

555 WAVERLY AVENUE

BROOKLYN, NEW YORK

Remedial Investigation Report

NYC VCP Site Number: 15CVCP033K

OER Project Number: 13EH-N086K

Prepared for:

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REMEDIAL INVESTIGATION REPORT

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LIST OF ACRONYMS

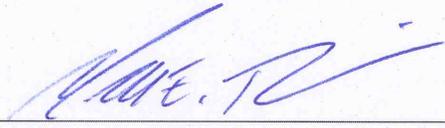
Acronym	Definition
AOC	Area of Concern
CAMP	Community Air Monitoring Plan
COC	Contaminant of Concern
CPP	Citizen Participation Plan
CSM	Conceptual Site Model
DER-10	New York State Department of Environmental Conservation Technical Guide 10
FID	Flame Ionization Detector
GPS	Global Positioning System
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IRM	Interim Remedial Measure
NAPL	Non-aqueous Phase Liquid
NYC VCP	New York City Voluntary Cleanup Program
NYC DOHMH	New York City Department of Health and Mental Hygiene
NYC OER	New York City Office of Environmental Remediation
NYS DOH ELAP	New York State Department of Health Environmental Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PID	Photoionization Detector
QEP	Qualified Environmental Professional
RI	Remedial Investigation
RIR	Remedial Investigation Report
SCO	Soil Cleanup Objective
SPEED	Searchable Property Environmental Electronic Database

CERTIFICATION

I, Mark E. Robbins, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the 555 Waverly Avenue Site, (OER Project #13EH-N086K and NYC VCP Site No. 15CVCP033K). I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

Mark E. Robbins

10/16/14



Qualified Environmental Professional

Date

Signature

EXECUTIVE SUMMARY

The Remedial Investigation Report (RIR) provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy pursuant to RCNY§ 43-1407(f). The remedial investigation (RI) described in this document is consistent with applicable guidance.

Site Location and Current Usage

The Site is located at 531-557 Waverly Avenue in the Clinton Hills section in Brooklyn, New York and is identified as Block 2012 and Lot 1 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 23,523-square feet in area and is bounded by a 1-story beer processing facility to the north, Atlantic Avenue and three 3-story mixed use residential and commercial building to the south, a 3-story mixed use residential and commercial building and twelve multi-story residential building to the east, and Waverly Avenue to the west. A map of the site boundary is shown in Figure 2. Currently, the Site is developed with a 3 story vacant building under renovation with a full basement and a 2-story building with a partial basement. A bakery identified as Bagel Israel Baking Company occupies the 2-story building and the basements of both buildings.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of an 8-story residential building with a full cellar. The building will be identified as 555 Waverly Avenue, Brooklyn, NY. The proposed development will encompass the entire property footprint for a total gross floor area of approximately 104,016 square feet. The cellar at the site will consist of a mechanical space and a parking space. The entire Site will be excavated to a depth of approximately 18 feet 6 inches for the layout of cellar foundations. The cellar foundation will consist of a 1 foot concrete slab with 2 feet 6 inches isolated spread footings installed over a waterproofing Grace Preprufe 300R membrane and 1-foot thick walls poured against a waterproofing Grace Preprufe 160R membrane

Layout of the proposed site development is presented in Figure 3. The current zoning designation is R6 Residential District with C2-4 Commercial Overlay. The proposed use is consistent with existing zoning for the property.

Summary of Past Uses of Site and Areas of Concern

Based upon the review of the Fire Insurance Maps and Regulatory Agency documents from the Phase I Environmental Site Assessment (ESA) Report prepared by Hydro Tech Environmental Corp in August 2014, a Site history was established. The Site was utilized as a bottling facility and a store in the southern and central portions between 1887 and 1915, an ice cream processing and storage facility in the northern portion between 1915 and 1969, a garage facility use in the southern portion in 1938 and a warehouse across the site until 2002. Bagel Israel Baking Company has occupied the Site for the past 12 years.

The AOCs identified for this site include:

- The presence of urban soil/fill material characterized by elevated levels of PAHs, metals and PCBs;
- The presence of chlorinated hydrocarbons in soil vapor and indoor air;
- The presence of a Potential Vapor Encroachment Conditions adjacent to the Subject Property;
- The improper documentation of closed-in-place gasoline USTs;
- The presence of a HZAMAT/AIR/NOISE “ E” designation listing at the Site;

Summary of the Work Performed under the Remedial Investigation

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Performed a Ground Penetrating Radar (GPR) survey throughout the 30 percent of the Site;
3. Installed nine (9) soil borings across the entire project Site, and collected thirteen (13) soil samples for chemical analysis from the soil borings to evaluate soil quality;
4. Installed six (6) sub-slab vapor probes and two (2) soil vapor probes around Site perimeter and collected eight (8) samples for chemical analysis.
5. One (1) outdoor air sample and two (2) indoor air samples were collected for chemical analysis.

Summary of Environmental Findings

1. Elevation of the property ranges is 76 feet.
2. No anomalies indicative of USTs were identified during the GRP survey.
3. Depth to groundwater is in excess of 50 feet.
4. Groundwater flow beneath the Site is presumed to be toward the southwest in the direction.
5. Depth to bedrock is in excess of 12 feet.
6. The stratigraphy of the site, from the surface down, consists of historic fill between zero and 2 feet (brown coarse grained sand with varying amounts of bricks and pebbles). The fill layer is underlain by sand with pebbles and rocks to a depth of 8 feet (brown coarse grained sand with varying amount of pebbles and rocks). Cobbles were encountered between 8 and 12 feet bgs.
7. Soil/fill samples collected during the RI were compared to the NYSDEC 6NYCRR Part 375 Section 6.8 (a,b) Unrestricted Use (Track 1) Soil Cleanup Objectives (SCOs) as well as to Track 2 Restricted Residential Use SCOs. Soil sampling results show no VOCs except for trace levels of acetone and methylene chloride, both below the Unrestricted Use Track 1 SCOs. No chlorinated VOCs including PCE and its degradation product were found in any soil samples. Five Polycyclic Aromatic Hydrocarbon (PAH) range SVOCs including benzo(a)anthracene (max. of 2.70 parts per million (ppm)), benzo(a)pyrene (max. of 1.67 ppm), benzo(b)fluoranthene (max. of 1.31 ppm), dibenzo(a,h)anthracene (0.42 ppm) and Indeno(1,2,3-cd)pyrene (max. of 0.85 ppm) were detected above their respective Restricted Residential Use SCOs in three shallow soil samples. Benzo(k)fluoranthene (max. of 1.27 ppm) and chrysene (max. of 2.54 ppm) also exceeded Unrestricted Use SCOs/. No pesticides occurred in any shallow or deep soil samples. Total PCB (max. 0.21 ppm) exceeded its Track 1 SCO in one of the shallow soil samples. Five metals, including; chromium trivalent (max. of 32.5 ppm), lead (max. of 384 ppm), nickel (max. of 59.4 ppm), mercury (0.23 ppm) and zinc (max. of 178 ppm) were identified above Track 1 Unrestricted SCOs in seven shallow and one deep soil samples. Of these metals, lead also exceeded its Track 2 SCOs in two shallow samples.

Overall, the soil findings were unremarkable and were consistent with observations for historic fill sites in areas throughout NYC.

8. Several attempts were made to install groundwater wells, but refusal was encountered. No groundwater samples collected during the RI. No additional groundwater investigation is proposed.
9. Soil vapor results collected during the RI were compared to the compounds listed in Table 3.1 Air Guideline Values Derived by the NYSDOH located in the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion, dated October 2006. Sub-slab and soil vapor samples showed a wide range of petroleum related and chlorinated compounds throughout the property. BTEX and associated derivatives were found in all sub-slab and soil vapor samples and their concentration ranged from 1.41 micrograms per cubic meter (ug/m^3) to $200 \text{ ug}/\text{m}^3$. Chlorinated hydrocarbons were also commonly detected in all soil vapor samples, including PCE (max. $36 \text{ ug}/\text{m}^3$), TCE (max. $2.5 \text{ ug}/\text{m}^3$), 1,1,1-TCA ($3.1 \text{ ug}/\text{m}^3$), carbon tetrachloride (max. $4.6 \text{ ug}/\text{m}^3$), chloroform (max. $150 \text{ ug}/\text{m}^3$), methylene chloride (max. $92 \text{ ug}/\text{m}^3$) and acetone (maximum $540 \text{ ug}/\text{m}^3$). The NYSDOH has established AGVs for three of the VOCs analyzed: methylene chloride, PCE, and TCE. Detected methylene chloride concentrations in one sub-slab vapor sample exceeded the corresponding AGV of $60 \text{ ug}/\text{m}^3$. BTEX and chlorinated compounds were also detected in the two indoor air samples and in the outdoor air sample. BTEX and associated compounds occurred at a maximum of $12.1 \text{ ug}/\text{m}^3$ in indoor air and $24.6 \text{ ug}/\text{m}^3$ in outdoor air. Chlorinated compounds including PCE, TCE, methylene chloride and chloroform occurred in the indoor air at a maximum $3.51 \text{ ug}/\text{m}^3$ and a maximum of $2.2 \text{ ug}/\text{m}^3$ in outdoor air sample. The concentrations of PCE, TCE and TCA are below the monitoring guidance matrix established by NYSDOH.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

Waverly Owner I, LLC has enrolled in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 0.54-acre site located at 553-551 Waverly Avenue in Clinton Hills section of Brooklyn, New York. Residential use is proposed for the property. The RI work was performed during December 2012, May 2014 and September 2014. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 Site Location and Current Usage

The Site is located at 531-557 Waverly Avenue in the Clinton Hills section in Brooklyn, New York and is identified as Block 2012 and Lot 1 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 23,523-square feet in area and is bounded by a 1-story beer processing facility to the north, Atlantic Avenue and three 3-story mixed use residential and commercial building to the south, a 3-story mixed use residential and commercial building and twelve multi-story residential building to the east, and Waverly Avenue to the west. A map of the site boundary is shown in Figure 2. Currently, the Site is developed with a 3 story vacant building under renovation with a full basement and a 2-story building with a partial basement. A bakery identified as Bagel Israel Baking Company occupies the 2-story building and the basements of both buildings.

1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of an 8-story residential building with a full cellar. The building will be identified as 555 Waverly Avenue, Brooklyn, NY. The proposed development will encompass the entire property footprint for a total gross floor area of approximately 104,016 square feet. The cellar at the site will consist of a mechanical space and a parking space. The entire Site will be excavated to a depth of approximately 18 feet 6 inches for the layout of cellar foundations. The cellar foundation will consist of a 1 foot concrete slab with 2 feet 6 inches isolated spread footings installed over a waterproofing Grace Preprufe

300R membrane and 1-foot thick walls poured against a waterproofing Grace Preprufe 160R membrane

Layout of the proposed site development is presented in Figure 3. The current zoning designation is R6 Residential District with C2-4 Commercial Overlay. The proposed use is consistent with existing zoning for the property.

1.3 Description of Surrounding Property

The Site is located in a residential, light manufacturing, institutional and commercial neighborhood. A public transportation facility and a charter school identified as Achievement First Endeavor Charter School are located to the west of the Site, residential and commercial uses are located to the south, residential uses are located to the west and a 1-story beer factory is located to the north.

Within a 500 feet radius of the Site, there are a variety of land uses including: multi-family homes, commercial, manufacturing, industrial transportation facilities and vacant lots. Properties located within a ¼-mile radius of the Site are zoned R6, R6A R6B and R7-2 (general residential district) with C1-2 and C2-4 commercial overlays, C6-3A and C6-2 (general commercial district) and M1-1 (general manufacturing district). Within 250 feet radius of the Site, only one sensitive receptor, identified as a Charter School, above is located across the northwestern boundary of the Site. Figure 4 shows the surrounding land uses.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

Based upon the review of the Fire Insurance Maps and Regulatory Agency documents from the Phase I Environmental Site Assessment (ESA) Report prepared by Hydro Tech Environmental Corp in August 2014, a Site history was established. The Site was utilized as a bottling facility and a store in the southern and central portions between 1887 and 1915, an ice cream processing and storage facility in the northern portion between 1915 and 1969, a garage facility use in the southern portion in 1938 and a warehouse across the site until 2002. Bagel Israel Baking Company has occupied the Site for the past 12 years.

2.2 Previous Investigations

Previous investigations performed at the Site included the following:

- Remedial Investigation at 531 Waverly Avenue, January 2013, Environmental Business Consultants.
- Phase-I Environmental Site Assessment (ESA) at 531-551 Waverly Avenue, August 2014, Hydro Tech Environmental Corp.

The Remedial Investigation and the Phase I ESA report are presented in **Appendix A**.

2.3 Site Inspection

Ms. Rachel Ataman of Hydro Tech Environmental Corp. performed the Site inspection on August 1, 2014. Site reconnaissance included a visual inspection of all portions of the Site and the adjacent land uses.

At the time of the inspection, the Site was occupied by Bagel Israel Baking Company and consisted of a 3-story vacant building with a full cellar in the northern portion and a 2-story building with a partial cellar in the central and southern portions. The two cellar areas at the Site are interconnected and utilized along the 2-story building as a bakery and the 3-story building was undergoing interior renovation. The Site vicinity was identified as residential and commercial uses.

2.4 Areas of Concern

Based upon the results of the previous investigation, the AOCs identified for this site include:

- The presence of urban soil/fill material characterized by elevated levels of PAHs, metals and PCBs;
- The presence of chlorinated hydrocarbons in soil vapor and indoor air;
- The presence of a Potential Vapor Encroachment Conditions adjacent to the Subject Property;
- The improper documentation of closed-in-place gasoline USTs;
- The presence of a HZAMAT/AIR/NOISE “E” designation listing at the Site.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Mark E. Robbins.

3.2 Health and Safety

All work described in this RIR was performed in full compliance with applicable laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements.

3.3 Materials Management

All material encountered during the RI was managed in accordance with applicable laws and regulations. Soil cuttings, acetate liners, gloves and rinsate from the decontamination area were placed in a clearly labeled DOT approved 55-gallon drums to be disposed off-site at a later date in accordance to DER-10 Technical Guidance for Site Investigation and Remediation (May 2010).

4.0 REMEDIAL INVESTIGATION ACTIVITIES

The following scope of work was performed at the Site:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Performed a Ground Penetrating Radar (GPR) survey throughout the 30 percent of the Site;
3. Installed nine (9) soil borings across the entire project Site, and collected thirteen (13) soil samples for chemical analysis from the soil borings to evaluate soil quality;
4. Installed six (6) sub-slab vapor probes and two (2) soil vapor probes around Site perimeter and collected eight (8) samples for chemical analysis.
5. One (1) outdoor air sample and two (2) indoor air samples were collected for chemical analysis.

Photographs were taken during RI activities and are provided in **Appendix B**.

4.1 Geophysical Investigation

A geophysical survey consisting of Ground Penetrating Radar (GPR) survey was performed at the Site on May 21, 2014. The purpose of the GPR survey was to identify the presence of any suspect underground storage tanks (USTs).

The survey was performed over a grid pattern that was determined immediately prior to the survey. The GPR operator wheeled the antenna over the predetermined grid. The GPR takes one “scan” per set unit. The number of scans per unit is based upon the estimated size of targets. As each scan is performed, the antenna emits specific radar amplitude into the subsurface. The amplitude of the radar reflected back to the antenna is based upon the differences in the dielectric constants of the subsurface materials. The differences in amplitude obtained during each scan are graphically displayed on the Control Unit, which are then interpreted by the GPR operator. Additional interpretations are then conducted in the office using computer software.

The GPR survey was performed successfully over approximately 30 percent of the Site. The GPR survey was limited to alleys between ovens and equipment and available spaces in storage and production areas. No anomalies indicative of suspect USTs were identified during the GPR survey. **Appendix C** includes the GPR summary report.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

Nine (9) soil probes designated SP-1 to SP-9 were installed and sampled at the Site. The soil probes were installed utilizing Hydro Tech's fleet of Geoprobe[®] fitted with Geoprobe[®] tooling and sampling equipment. Soil probes SP-1 to SP-5 were installed within the footprint of the existing cellar and partial cellar to the depth of 2 feet below the cellar slab, at which depth refusal was encountered. Soil probe SP-6 to SP-9 were installed beneath the slab on grade in the southern portion of the 2-story building to depths ranging between 10 feet and 12 feet bgs due to refusal.

Soil samples were collected utilizing a 4-foot long Macro Core sampler fitted with dedicated acetate liners. Each Macro Core was cut open and immediately screened with a Photo Ionization Detector (PID) for VOCs, prior to collecting the required samples for laboratory analysis. The soil was screened and characterized at two-foot intervals. Continuous soil samples were collected during soil probe installation.

Boring logs were prepared by a geologist are attached in **Appendix D**. A map showing the location of soil borings is shown in **Figure 6**.

Groundwater

Installation of groundwater monitoring wells was attempted in three locations across the Site utilizing similar technology as the soil probes. Refusal consistent with the presence of boulders was encountered between 48 and 50 feet below grade surface (bgs), at which depth no groundwater was intercepted and as such, the groundwater flow direction beneath the Site was not established and no groundwater samples were collected for chemical analysis.

Soil Vapor Boring Construction

Six (6) sub-slab vapor designated SS-1 to SS-4 and SV-1 and SV-2 and two (2) soil vapor probes designated SV-3 and SV-4 were installed during this RI. Slab vapor probes were installed at no more than 3 inches below the base of the slab. Soil vapor probes were installed to 12 feet below bgs. A map showing the locations of soil vapor borings is shown in **Figure 5**. The probes were constructed with inert tubing. Vapor implants were sealed to the surface with non-VOC containing product. After installation of the probes, one to three volumes were purged prior to collecting the samples.

The sub-slab vapor probes were installed by drilling a ½ inch hole through the slab with a handheld drill. The soil vapor probes were installed utilizing similar technology as the soil probes. The sub-slab and the soil vapor probes were installed in accordance with the NYSDOH Guidance of Evaluating Soil Vapor Intrusion dated October 2006. Each soil vapor sampling point consisted of a stainless steel screen, or implant, fitted with dedicated polyethylene tubing. Each of the implants is of 1½-inch diameter. Glass beads were poured into the hole to fully encompass the screen implant and the hole was sealed with bentonite and quick dry-lock non-VOC quick set cement.

Ambient Indoor and Outdoor Air Sampling

One (1) outdoor air sample designated OA-1 was collected during the RI in the northeastern portion of the Site. In addition two (2) indoor air samples designated IA-1 and IA-2 were collected from the cellar area beneath the 3-story building at the Site. Indoor and outdoor air samples were collected simultaneously with the four sub-slab vapor samples SS-1 to SS-4 from typical breathing zone heights in accordance to the NYSDOH Indoor Air Sampling and Analysis Guidance dated October 2006.

4.3 Sample Collection and Chemical Analysis

Sampling performed as part of the field investigation was conducted for all Areas of Concern and also considered other means for bias of sampling based on professional judgment, area history, discolored soil, stressed vegetation, drainage patterns, field instrument measurements, odor, or other field indicators. All media including soil, groundwater and soil vapor have been sampled and evaluated in the RIR. Discrete (grab) samples have been used for final delineation

of the nature and extent of contamination and to determine the impact of contaminants on public health and the environment. The sampling performed and presented in this RIR provides sufficient basis for evaluation of remedial action alternatives, establishment of a qualitative human health exposure assessment, and selection of a final remedy.

Soil Sampling

Thirteen (13) soil samples were collected from the soil borings on-Site for laboratory analysis; these included four (4) shallow soil samples from zero to 2 feet below cellar floor, two (2) shallow soil sample from zero to 2 feet below grade (bgs), two shallow soil samples from 2 to 4 feet bgs, one (1) deep sample from 8 to 10 feet bgs and three (3) deep soil samples from 10 to 12 feet bgs. Samples were collected utilizing a 4-foot long Macro Core sampler fitted with dedicated acetate liners.

All samples were properly handled and placed into the appropriately labeled containers. The samples were placed in a cooler filled with ice and maintained at a maximum 4 degrees Celsius. All samples were transmitted under proper chain of custody procedures to a State-certified (ELAP) laboratory for confirmatory laboratory analyses. All holding times were met. The laboratory did not report any irregularities with respect to their internal Quality Assurance/Quality Control.

Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in **Table 1**. **Figure 6** shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

Soil Vapor and Outdoor Air Sampling

Eight (8) soil vapor samples, one (1) outdoor air sample and two (2) indoor air samples were collected for chemical analysis during this RI. Soil vapor and indoor air and outdoor air sampling locations are shown in **Figure 6**. Soil vapor sample collection data is reported in **Table 2**. Soil vapor sampling logs are included in **Appendix F**. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006*.

The soil vapor samples from each vapor probe and ambient air samples were collected utilizing 6 liter pre-cleaned, passivated, evacuated whole air Summa[®] Canister. In order to insure the integrity of the borehole seal and to verify that ambient air is not inadvertently drawn into the soil vapor sample, a tracer gas, Helium, was used to enrich the atmosphere in the immediate

vicinity of the sampling location. Plastic sheeting was used to keep the tracer gas in contact with the soil vapor probe during the sampling while continuously monitoring air drawn from the implant with a helium detector (Dielectric Model MGD-2002, Multi-gas Detector). Helium Detector readings did not exceed zero ppm indicating Helium was not detected. Following verification that the surface seal was tight and prior to soil vapor sampling, approximately 0.3 ml of air was purged out of all vapor points utilizing a syringe.

The Summa Canisters were calibrated for between 6 and 8 hours and the soil vapor sampling was run on each canister for the duration of at least 6 hours. The initial vacuum (inches of mercury) and start time was recorded immediately after opening each Summa Canister. After the sampling was complete, the final vacuum and top time was recorded. After the soil vapor sampling, each Summa was labeled and sent to a laboratory certified to perform air analysis in New York State.

Chemical Analysis

Chemical analytical work presented in this RIR has been performed in the following manner:

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by S. Babyatsky and Mark E. Robbins
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and were Phoenix Environmental Laboratories and York Analytical Laboratories, Inc.
Chemical Analytical Methods	Soil analytical methods: <ul style="list-style-type: none"> • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000);

Chemical Analytical Methods	Soil vapor analytical methods: <ul style="list-style-type: none"><li data-bbox="646 247 1138 281">• VOCs by TO-15 VOC parameters.
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Results of Chemical Analyses

Laboratory data for soil and soil vapor are summarized in Table 1 and Table 2, respectively. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in **Appendix F and G.**

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

The Site is located in northwestern portion of Brooklyn, New York. The elevation of the Subject Property is approximately 76 feet above mean sea level (USGS 7.5-Minute Brooklyn, New York Quadrangle, 2013).

Stratigraphy

The stratigraphy of the Site, from surface down, consists of historic fill between zero and 2 feet (brown coarse grained sand with varying amounts of bricks and pebbles). The fill layer is underlain by a layer of sand and pebbles and rocks to the depth of 8 feet (brown coarse grained sand with varying amount of pebbles and rocks). Cobbles were encountered between 8 and 12 feet bgs. Boring logs describing surface conditions are presented in **Appendix D**.

Hydrogeology

No monitoring wells were installed at the Site during the RI and therefore, no water level measurements were obtained from the Site. However, based on the USGS Long Island Depth to Water Viewer, the depth to groundwater at the Site is estimated at approximately 66 feet. According to the USGS Groundwater Conditions Map, the regional groundwater flow direction in the vicinity of the Site is presumed to be toward the southwest in the direction of Gowanus Canal.

5.2 Soil Chemistry

Soil/fill samples collected during the remedial investigations were compared to the 6NYCRR Part 375 Track 1 Unrestricted Use Soil Cleanup Objectives (SCOs) as well as to Track 2 Restricted Residential Use SCOs. Soil sampling results show no VOCs except for acetone and methylene chloride below the Track 1 SCOs and they are both reported as laboratory contaminants. No chlorinated VOCs including PCE and its degradation product were found in any soil samples. Seven Polycyclic Aromatic Hydrocarbon (PAH) range SVOCs including benzo(a)anthracene (max. of 2.70 parts per million (ppm)), benzo(a)pyrene (max. of 1.67 ppm), benzo(b)fluoranthene (max. of 1.31 ppm), benzo(k)fluoranthene (max. of 1.27 ppm), chrysene (max. of 2.54 ppm), dibenzo(a,h)anthracene (0.42 ppm) and Indeno(1,2,3-cd)pyrene (max. of 0.85 ppm) were detected above their respective Track 1 SCOs in three shallow soil samples. Of these SVOCs, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene,

dibenzo(a,h)anthracene and Indeno(1,2,3-cd)pyrene were also detected above their respective Track 2 SCOs in the three shallow soil samples. No pesticides occurred in any shallow or deep soil samples. Total PCB (max. 0.21 ppm) exceeded its Track 1 SCO in one of the shallow soil samples. Five metals, including; chromium trivalent (max. of 32.5 ppm), lead (max. of 384 ppm), nickel (max. of 59.4 ppm), mercury (0.23 ppm) and zinc (max. of 178 ppm) were identified above Track 1 Unrestricted SCOs in seven shallow and one deep soil samples. Of these metals, lead also exceeded its Track 2 SCOs in two shallow samples. Overall, the findings were consistent with observations for historic fill sites in areas throughout NYC.

5.3 Groundwater Chemistry

No groundwater samples were collected for chemical analysis during the RI. No additional groundwater investigation is proposed.

5.4 Soil Vapor Chemistry

Sub-slab and soil vapor samples collected during the RI show a wide range of compounds throughout the property including BTEX and associated petroleum related compounds as well as chlorinated hydrocarbons. BTEX and associated derivatives were found in all sub-slab and soil vapor samples and include a wide number of compounds. The concentration of these compounds range from 1.41 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) to 200 $\mu\text{g}/\text{m}^3$. Chlorinated hydrocarbons were also commonly detected in all soil vapor samples, including PCE (max. 36 $\mu\text{g}/\text{m}^3$), TCE (max. 2.5 $\mu\text{g}/\text{m}^3$), 1,1,1-TCA (3.1 $\mu\text{g}/\text{m}^3$), carbon tetrachloride (max. 4.6 $\mu\text{g}/\text{m}^3$), chloroform (max. 150 $\mu\text{g}/\text{m}^3$), methylene chloride (max. 92 $\mu\text{g}/\text{m}^3$) and acetone (maximum 540 $\mu\text{g}/\text{m}^3$).

The NYSDOH has established AGVs for three of the VOCs analyzed: methylene chloride, PCE, and TCE. PCE concentration detected in soil vapor at the site is below the corresponding AGV of 100 $\mu\text{g}/\text{m}^3$. Detected TCE concentrations exceed the corresponding AGV of 5 $\mu\text{g}/\text{m}^3$. Detected methylene chloride concentrations in one sub-slab vapor sample exceeded the corresponding AGV of 60 $\mu\text{g}/\text{m}^3$.

BTEX and chlorinated compounds were also detected in the two indoor air samples and in the outdoor air sample. BTEX and associated compounds occurred at a maximum of 12.1 $\mu\text{g}/\text{m}^3$ in indoor air and 24.6 $\mu\text{g}/\text{m}^3$ in outdoor air. Chlorinated compounds including PCE, TCE, methylene chloride and chloroform occurred in the indoor air at a maximum 3.51 $\mu\text{g}/\text{m}^3$ and a maximum of 2.2 $\mu\text{g}/\text{m}^3$ in outdoor air sample.

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site. A summary table of data for chemical analyses performed on soil vapor samples is included in **Table 2**. **Figure 10** shows the location and posts the values for soil vapor samples with detected concentrations.

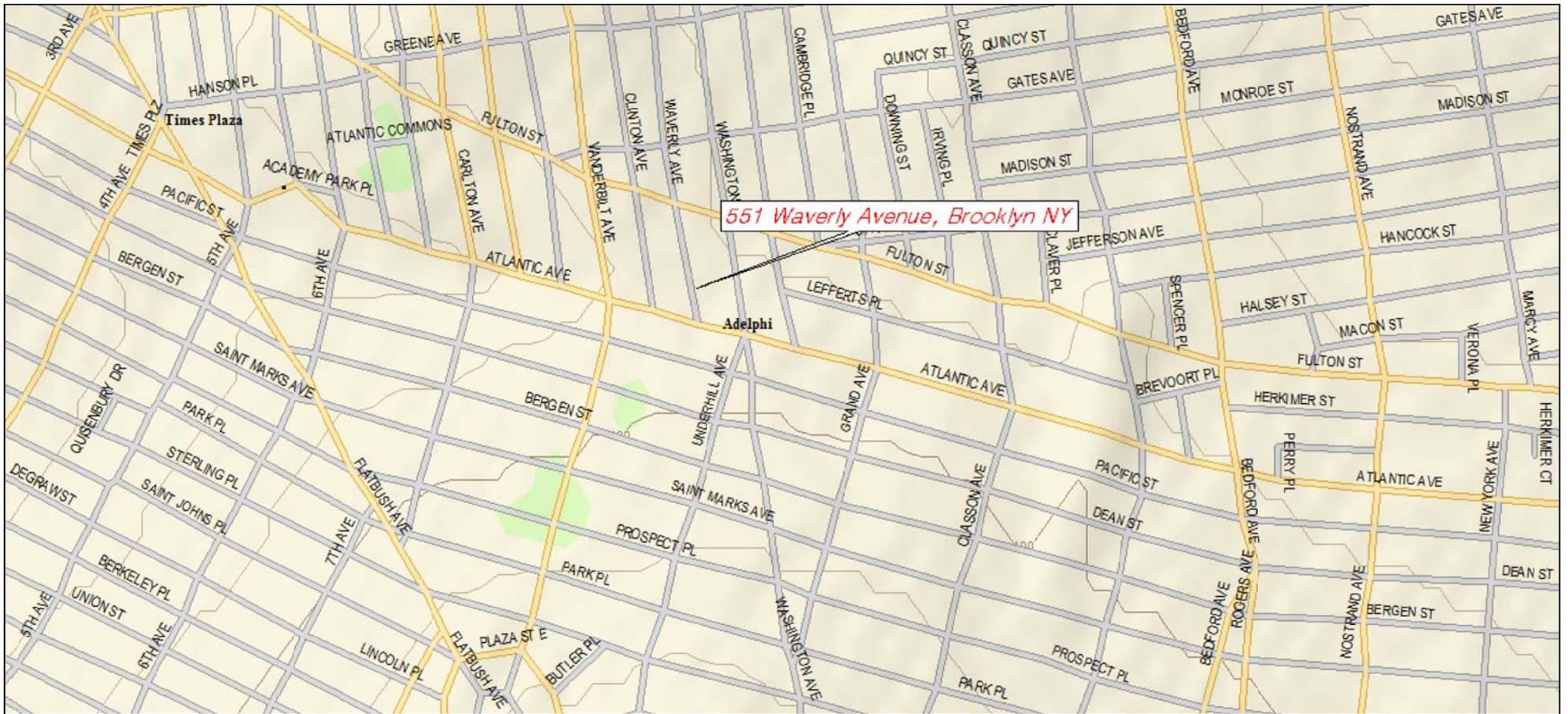
5.5 Prior Activity

Based on an evaluation of the data and information from the RIR, disposal of significant amounts of hazardous waste is not suspected at this site.

5.6 Impediments to Remedial Action

There are no known impediments to remedial action at this property.

FIGURES



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Data Zoom 14-0



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Drawn By: C.Q.
 Reviewed By: M.R.
 Approved By: M.S.
 Date: 09/20/14
 Scale: AS NOTED

TITLE:

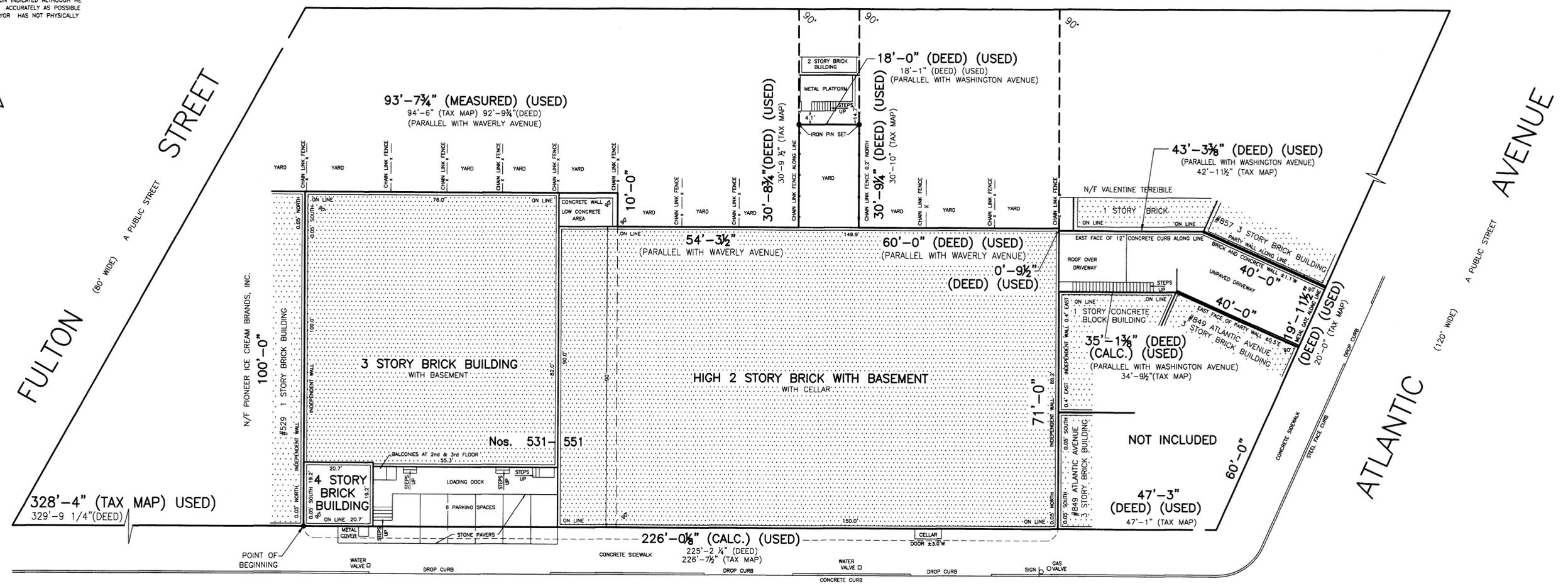
FIGURE 1: SITE LOCATION MAP

FIGURE-2

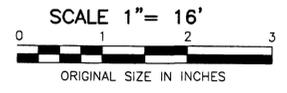
SITE BOUNDARY MAP

UTILITY STATEMENT
 THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

WASHINGTON AVENUE
 (80' WIDE) A PUBLIC STREET

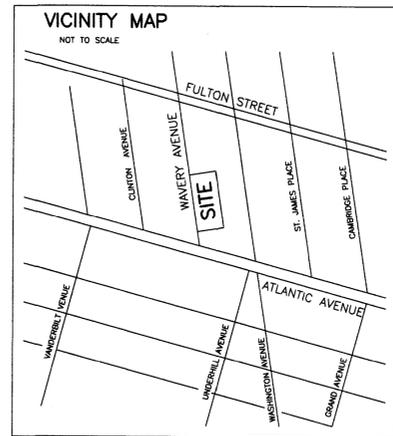


WAVERLY AVENUE
 (55' WIDE) A PUBLIC STREET



LEGAL DESCRIPTION

ALL THAT CERTAIN LOT, PIECE OR PARCEL OF LAND, WITH THE BUILDINGS AND IMPROVEMENTS THEREON, ERRECTED, SITUATE, LYING AND BEING IN THE BOROUGH OF BROOKLYN, COUNTY OF KINGS, CITY AND STATE OF NEW YORK, BOUNDED AND DESCRIBED AS FOLLOWS:
 BEGINNING AT A POINT ON THE EASTERLY SIDE OF WAVERLY AVENUE, DISTANT 328 FEET 4 INCHES TAX MAP, USED, (229 FEET 8 1/4 INCHES DEED) SOUTHERLY FROM THE SOUTHEASTERLY CORNER OF WAVERLY AVENUE AND FULTON STREET, WHICH POINT OF BEGINNING IS AT THE SOUTHWESTERLY CORNER OF THE LANDS CONVEYED BY DEED OF THE PARTY OF THE FIRST PART, UNDER ITS FORMER NAME OR RED ICE CREAM CORPORATION TO PIONEER ICE CREAM BRANDS INC.,
 RUNNING THENCE EASTERLY 100 FEET ALONG THE SOUTHERLY LINE OF SAID LANDS AS CONVEYED TO PIONEER ICE CREAM BRANDS INC. AND AT RIGHT ANGLES TO WASHINGTON AVENUE;
 THENCE SOUTHERLY, PARALLEL WITH WAVERLY AVENUE, 93 FEET 7 3/4 INCHES (94 FEET, 6 INCHES TAX MAP, 92 FEET 9 3/4 INCHES ACTUAL);
 THENCE WESTERLY 10 FEET TO A LINE PARALLEL WITH WAVERLY AVENUE, 90 FEET EASTERLY THEREFROM ON A LINE DRAWN AT RIGHT ANGLES THEREOF;
 THENCE SOUTHERLY, PARALLEL WITH WAVERLY AVENUE, 54 FEET 3 1/2 INCHES ACTUAL AND TAX MAP TO A LINE DRAWN AT RIGHT ANGLES TO WASHINGTON AVENUE FROM A POINT THEREIN DISTANT 224 FEET 1 1/2 INCHES NORTHERLY FROM THE NORTHEASTERLY CORNER OF WASHINGTON AND ATLANTIC AVENUE;
 THENCE EASTERLY AT RIGHT ANGLES TO WASHINGTON AVENUE, 30 FEET 8 3/4 INCHES ACTUAL AND TAX MAP (29 FEET 11 1/2 INCHES DEED) TO THE NORTHWESTERLY CORNER OF LANDS CONVEYED BY THE PARTY OF THE FIRST PART TO AUGUSTA FENDELL AND LEON A. KAMMERMAN BY DEED DATED DECEMBER 27, 1940;
 THENCE SOUTHERLY, PARALLEL WITH WASHINGTON AVENUE, 18 FEET ACTUAL (18 FEET 1 INCH TAX MAP);
 THENCE WESTERLY AND AGAIN AT RIGHT ANGLES TO WASHINGTON AVENUE (39 FEET 10 INCHES TAX MAP AND ACTUAL, 30 FEET 9 1/2 INCHES DEED) TO A POINT ON A LINE PARALLEL WITH WAVERLY AVENUE AND DISTANT 90 FEET EASTERLY THEREFROM ON A LINE DRAWN AT RIGHT ANGLES TO WASHINGTON AVENUE;
 THENCE SOUTHERLY, PARALLEL WITH WAVERLY AVENUE, 80 FEET TO A POINT ON A LINE DRAWN AT RIGHT ANGLES TO WASHINGTON AVENUE FROM A POINT ON THE EASTERLY SIDE OF WAVERLY AVENUE, DISTANT 334 FEET 11 1/2 INCHES FROM THE SOUTHEASTERLY CORNER OF WAVERLY AVENUE AND FULTON STREET;
 THENCE WESTERLY AT RIGHT ANGLES TO WASHINGTON AVENUE, 9 1/2 INCHES;
 THENCE SOUTHERLY AND ALONG THE WESTERLY SIDE OF LAND NOW OR FORMERLY OF VALENTINE TEREIBLE AND PART OF THE DISTANCE THROUGH A PARTY WALL, 40 FEET TO THE NORTHEASTERLY SIDE OF ATLANTIC AVENUE;
 THENCE SOUTHWESTERLY AND ALONG THE LINE OF SAID LAND NOW OR FORMERLY OF VALENTINE TEREIBLE AND PART OF THE DISTANCE THROUGH A PARTY WALL, 40 FEET TO THE NORTHEASTERLY SIDE OF ATLANTIC AVENUE;
 THENCE NORTHWESTERLY ALONG THE NORTHEASTERLY SIDE OF ATLANTIC AVENUE (20 FEET TAX MAP AND ACTUAL, 19 FEET 11 1/2 INCHES DEED) TO A POINT DISTANT 60 FEET SOUTHEASTERLY FROM THE CORNER FORMED BY THE INTERSECTION OF THE NORTHEASTERLY SIDE OF ATLANTIC AVENUE WITH THE EASTERLY SIDE OF WAVERLY AVENUE;
 THENCE NORTHEASTERLY AND PART OF THE DISTANCE THROUGH A PARTY WALL AND AT RIGHT ANGLES TO ATLANTIC AVENUE, 40 FEET;
 THENCE NORTHERLY AND PARALLEL WITH WASHINGTON AVENUE, 34 FEET 10 5/8 INCHES ACTUAL (34 FEET 9 1/4 INCHES TAX MAP, 35 FEET 1 3/4 INCHES DEED) TO A POINT DISTANT 71 FEET EASTERLY FROM WAVERLY AVENUE ON A LINE DRAWN AT RIGHT ANGLES TO WASHINGTON AVENUE FROM A POINT ON THE EASTERLY SIDE OF WAVERLY AVENUE, DISTANT 334 FEET 11 1/2 INCHES FROM THE SOUTHEASTERLY CORNER OF WAVERLY AVENUE AND FULTON STREET;
 THENCE WESTERLY AT RIGHT ANGLES TO WASHINGTON AVENUE 71 FEET TO SAID POINT ON THE EASTERLY SIDE OF WAVERLY AVENUE, DISTANT 554 FEET 11 1/2 INCHES FROM THE SOUTHEASTERLY CORNER OF WAVERLY AVENUE AND FULTON STREET;
 THENCE NORTHERLY ALONG THE EASTERLY SIDE OF WAVERLY AVENUE A DISTANCE OF 228 FEET 1 1/4 INCHES ACTUAL (227 FEET 7 1/2 INCHES TAX MAP AND 225 FEET 2 1/4 INCHES DEED) TO THE POINT OR PLACE OF BEGINNING



- TABLE 'A' SURVEY NOTES:**
- ADDRESSES - SEE SURVEY.
 - THE PREMISES ARE FREE OF ANY 100 YEAR RETURN FREQUENCY FLOOD HAZARD, AND SUCH FLOOD FREE CONDITION IS SHOWN ON THE FEDERAL FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 304970212F PANEL NOT PRINTED, FLOOD ZONE 'X'.
 - GROSS LAND AREA - 0.536 ACRE (23351.83 SQUARE FEET).
 - THE SUBJECT PROPERTY LIES IN THE RESIDENTIAL DISTRICT R-7A WITH C2-4 COMMERCIAL OVERLAY.
- SET BACK REQUIREMENTS:
 FRONT YARD - STREET WALL OF NEW BUILDINGS CAN BE NOT CLOSER TO THE STREET LINE THEN ANY BUILDING WITHIN 150 FEET ON THE SAME BLOCK, BUT NEED NOT BE FARTHER THEN 15 FEET.
 SIDE YARD - NONE
 REAR YARD - NONE
 FLOOR AREA RATIO - 4.0 (COMMERCIAL - 2.0)
- ABOVE A BASE HEIGHT OF 40 TO 65 FEET, THE BUILDING MUST SETBACK TO A DEPTH OF 15 FEET BEFORE RISING TO A MAXIMUM HEIGHT OF 80 FEET.
 BUILDING HEIGHT - 80 FEET MAX.
 PARKING REQUIREMENTS
 8. SUBSTANTIAL FEATURES OBSERVED - NO FEATURES OBSERVED.
 9. PARKING SPACES - REQUIRED - 50% OF DWELLING UNITS OBSERVED - 6 PARKING SPACES.
 - LOCATION OF UTILITIES - SEE DRAWING.
 - DISTANCE TO THE NEAREST INTERSECTING STREET - AS SHOWN ON DRAWING.
 - NO EARTH WORK ON SUBJECT OF PROPERTY.
 - THERE ARE NO KNOWN CHANGES IN STREET RIGHT OF WAY LINES EITHER COMPLETED OR PROPOSED, AND AVAILABLE FROM THE CONTROLLING JURISDICTIONS.
 - THERE WAS NO OBSERVABLE EVIDENCE OF SITE USE AS A SOLID WASTE DUMP, SUMP OR SANITARY LANDFILL.
 - THERE WAS NO OBSERVABLE EVIDENCE OF WETLANDS.
 - LOCATE IMPROVEMENTS - AS SHOWN ON DRAWING.
 - PROFESSIONAL LIABILITY INSURANCE POLICY OBTAINED BY THE SURVEYOR IN THE MINIMUM AMOUNT OF \$2,000,000.00

LIST OF PROJECTIONS ON STREET

- METAL AWNING 4.5'
- WINDOW GUARD 2.0'
- GATE GUARD 2.5'
- CAMERA 0.8'
- LIGHT UP TO 1.0'
- BOLLARDS 1.4'
- TRIM UP TO 0.2'
- AIR CONDITIONERS 1.0'
- WINDOW SILLS 0.4'
- VALVE - 1.5'

CHART OF REVISIONS

DATE	ITEM REVISED

TITLE NO.:
 GROSS ACREAGE: 0.536 ACRE

#551 WAVERLY AVENUE
 BOROUGH OF BROOKLYN, COUNTY OF KINGS, STATE OF NEW YORK
 TAX MAP BLOCK 2012, LOT 1

ALTA/ACSM LAND TITLE SURVEY

SURVEYORS CERTIFICATION

TO:
 US MADISON WAVERLY, LP, A DELAWARE LIMITED PARTNERSHIP, ITS SUCCESSORS AND ASSIGNS
 STEWART TITLE INSURANCE COMPANY
 KENSINGTON WANGUARD NATIONAL LAND SERVICES OF NY
 WAVERLY OWNERS 1 LLC, A DELAWARE LIMITED LIABILITY COMPANY

THIS IS TO CERTIFY THAT THIS MAP OR PLOT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2011 "MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS (EFFECTIVE FEBRUARY 23, 2011)", JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS IN 2011, AND INCLUDES TABLE 'A' ITEMS 2, 3, 4, 6a, 8, 11a, 14, 16, 17, 18, 19, 20a AND 21 OF TABLE 'A' THEREOF.

PURSUANT TO THE ACCURACY STANDARDS AS ADOPTED BY ALTA AND NSPS AND IN EFFECT ON THE DATE OF THIS CERTIFICATION, UNDERSIGNED FURTHER CERTIFIES THAT IN MY PROFESSIONAL OPINION, AS A LAND SURVEYOR REGISTERED IN THE STATE OF NEW YORK, THE RELATIVE POSITIONAL ACCURACY OF THIS SURVEY DOES NOT EXCEED THAT WHICH IS SPECIFIED THEREIN.

THE FIELD WORK WAS COMPLETED ON MAY 4, 1999 AND LAST UPDATED ON AUGUST 29, 2014.

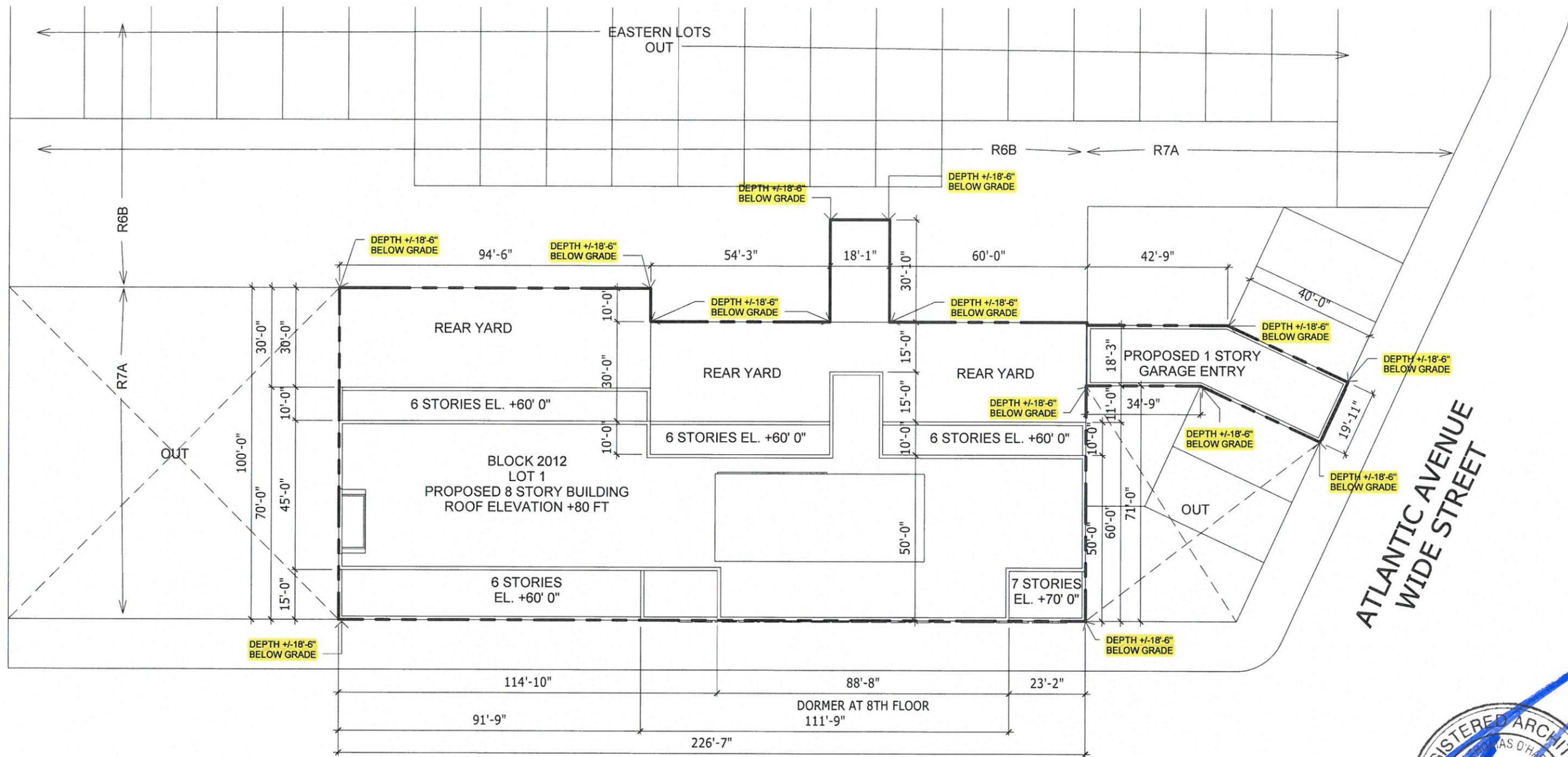


GERALD T. O'BUCKLEY
 DATE: AUGUST 29, 2014

PROFESSIONAL LAND SURVEYORS
 REGISTRATION No. 039834
 43-14 162nd STREET, FLUSHING N.Y. 11358
 TEL. (718) 321-1231 FAX (718) 321-8076
 DATE SURVEYED AUGUST 29, 2014: SHEET 1 OF 1

FIGURE-3

SITE DEVELOPMENT PLAN



ATLANTIC AVENUE
WIDE STREET

WAVERLY AVENUE
NARROW STREET



9-25-14

1 Site Plan
1/32" = 1'-0"

HTO
ARCHITECT, PLLC
370 7th Ave
Suite 220
New York, NY 10001
212 695 3117
www.hto-architect.com



project:	555 WAVERLY AVENUE	permit number:	14024
date:	09/17/14	drawing number:	OER-01
drawing title:	SITE PLAN	AS NOTED	
drawn by:	CG	checked by:	JPM

September 25th, 2014

Mr. Shaminder Chawla
Office of Environmental Remediation
253 Broadway, 14th Floor
New York, NY 10007

Re: 555 Waverly Avenue
Brooklyn, NY 11238
Block #2012, Lot # 1
OER Project #: Unassigned

Dear Mr. Chawla,

The above referenced project involves the development of an 8-story new residential building with no commercial or community facility. There is below-grade parking on premises. The entire site perimeter will be excavated to the depth of approximately 18'-6" below grade for the layout of the new building foundations & cellar.

The area of the lot is 23,395 sf. The area of the building footprint is to be as follows:

- Cellar - 23,395 sf.
- 1 - 14,813 sf.
- 2 - 14,813 sf.
- 3 - 14,813 sf.
- 4 - 14,813 sf.
- 5 - 14,813 sf.
- 6 - 14,813 sf.
- 7 - 11,005 sf.
- 8 - 10,634 sf.

Building foundation will consist of a 1'-0" thick concrete pressure slab and 2'-6" isolated spread footings over Grace Preprufe 300R waterproofing membrane. The foundation walls are to consist of 1'-0" thick concrete with Grace Preprufe 160R waterproofing membrane.

Sincerely,

H. Thomas O'Hara Jr., AIA



9.25.14



Land Use
 All land use categories
 2003 2005 2007 2009 2013

- 1 & 2 Family Residential
- Multi-family Residential
- Mixed Use
- Open space & outdoor recreation
- Commercial
- Institutions
- Industrial
- Parking
- Transportation / Utilities
- Vacant Lots



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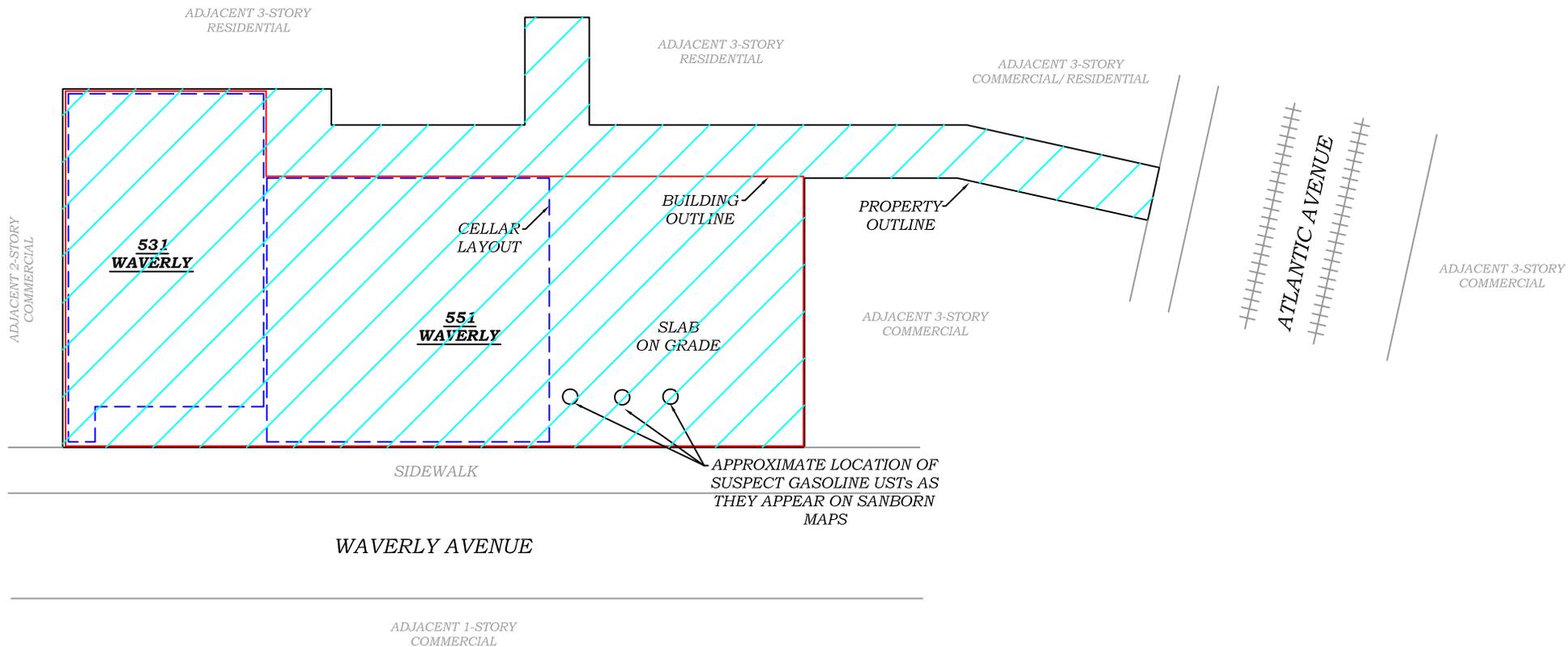
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Drawn By: C.Q.
 Reviewed By: M.R.
 Approved By: M.S.
 Date: 09/22/14
 Scale: AS NOTED

TITLE:

FIGURE 4: LAND USE MAP



WAVERLY AVENUE

ADJACENT 1-STORY COMMERCIAL

LEGEND:

 HISTORIC FILL MATERIAL



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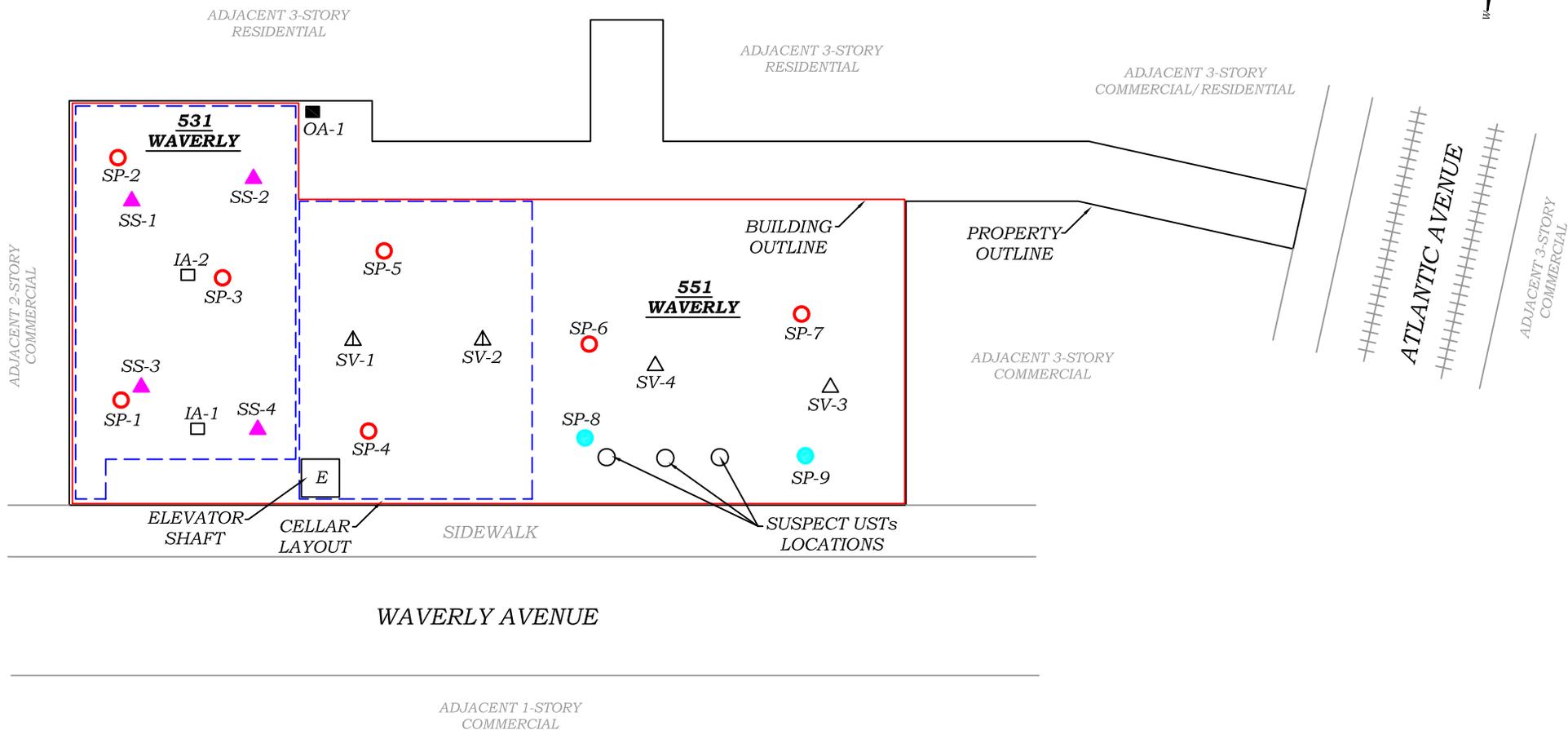
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Date: 09/22/14
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TITLE:

FIGURE 5: MAP OF AREAS OF CONCERN



WAVERLY AVENUE

LEGEND:

- SOIL PROBE LOCATIONS (SP) - INSTALLED DURING MAY 2014
- ▲ SUB SLAB VAPOR PROBES (SS) - INSTALLED DURING DECEMBER 2012
- SOIL PROBES LOCATIONS (SP) - INSTALLED DURING SEPTEMBER 2014
- △ SOIL VAPOR PROBES (SV) - INSTALLED DURING SEPTEMBER 2014
- ▴ SUB SLAB VAPOR PROBES (SV) - INSTALLED DURING SEPTEMBER 2014



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 Scale: AS NOTED

TITLE:

FIGURE 6: LOCATION OF SOIL BORINGS, SOIL VAPORS AND SUB SLAB VAPOR PROBES

SP-6				
Depth	2' - 4'	8' - 10'		
SVOCs	mg/Kg	mg/Kg	USCO	RSCO
Benzo(a) Anthracene	1.03	NAS	1	1
Chrysene	1.21	NAS	1	3.9

SP-7				
Depth	2' - 4'	10' - 12'		
SVOCs	mg/Kg	mg/Kg	USCO	RSCO
Benzo(a)Anthracene	1.48	ND	1	1
Benzo(a)Pyrene	1.67	ND	1	1
Benzo(b)fluoranthene	1.31	ND	1	1
Benzo(k)fluoranthene	1.05	ND	0.8	3.9
Chrysene	1.61	ND	1	3.9
Indeno(1,2,3-cd)pyrene	0.85	ND	0.5	0.5

SP-2	
Depth	0' - 2'
SVOCs	ND

SP-5	
Depth	0' - 2'
SVOCs	ND

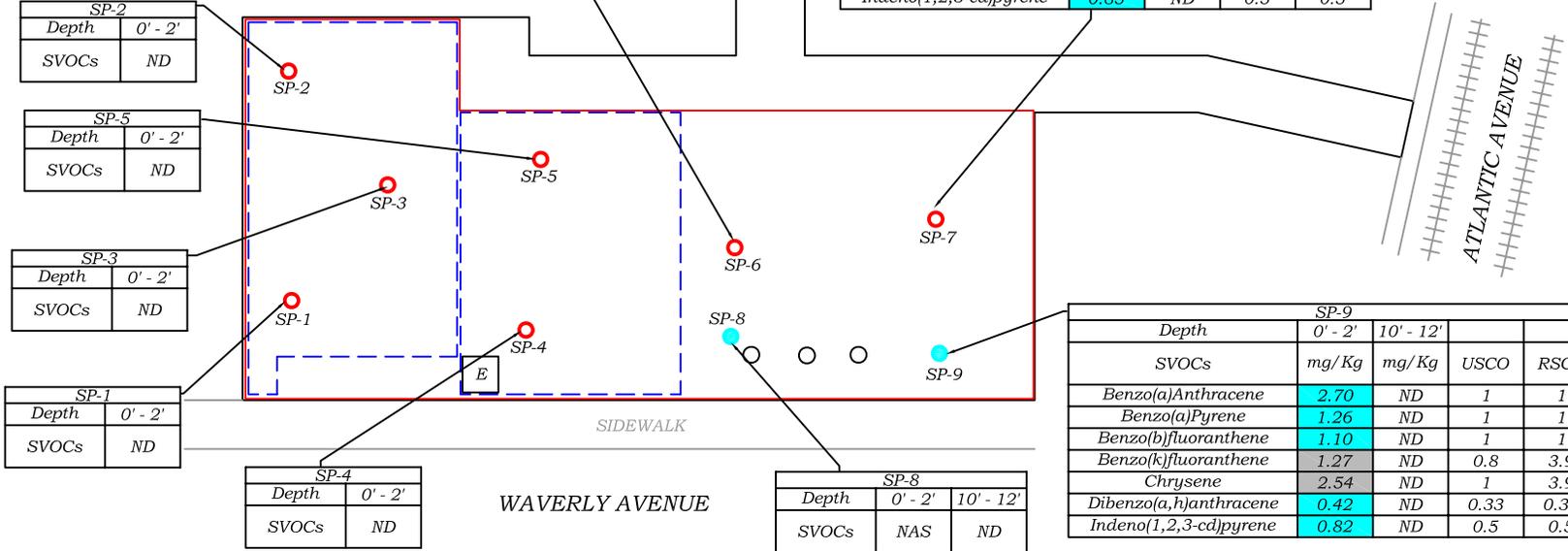
SP-3	
Depth	0' - 2'
SVOCs	ND

SP-1	
Depth	0' - 2'
SVOCs	ND

SP-4	
Depth	0' - 2'
SVOCs	ND

SP-8		
Depth	0' - 2'	10' - 12'
SVOCs	NAS	ND

SP-9				
Depth	0' - 2'	10' - 12'		
SVOCs	mg/Kg	mg/Kg	USCO	RSCO
Benzo(a)Anthracene	2.70	ND	1	1
Benzo(a)Pyrene	1.26	ND	1	1
Benzo(b)fluoranthene	1.10	ND	1	1
Benzo(k)fluoranthene	1.27	ND	0.8	3.9
Chrysene	2.54	ND	1	3.9
Dibenzo(a,h)anthracene	0.42	ND	0.33	0.33
Indeno(1,2,3-cd)pyrene	0.82	ND	0.5	0.5



LEGEND:

- SOIL PROBE LOCATIONS (SP) - INSTALLED DURING MAY 2014
- SOIL PROBES LOCATIONS (SP) - INSTALLED DURING SEPTEMBER 2014

- SVOCs SEMI VOLATILE ORGANIC COMPOUNDS
- mg/Kg MILLIGRAMS PER KILOGRAM
- NAS NONE ABOVE STANDARDS
- ND NONE DETECTED
- USCO UNRESTRICTED USE SOIL CLEANUP OBJECTIVES
- RSCO RESTRICTED RESIDENTIAL USE SOIL CLEANUP OBJECTIVES

- GRAY SHADED VALUES EXCEED RSCO
- BLUE SHADED VALUES EXCEED USCO



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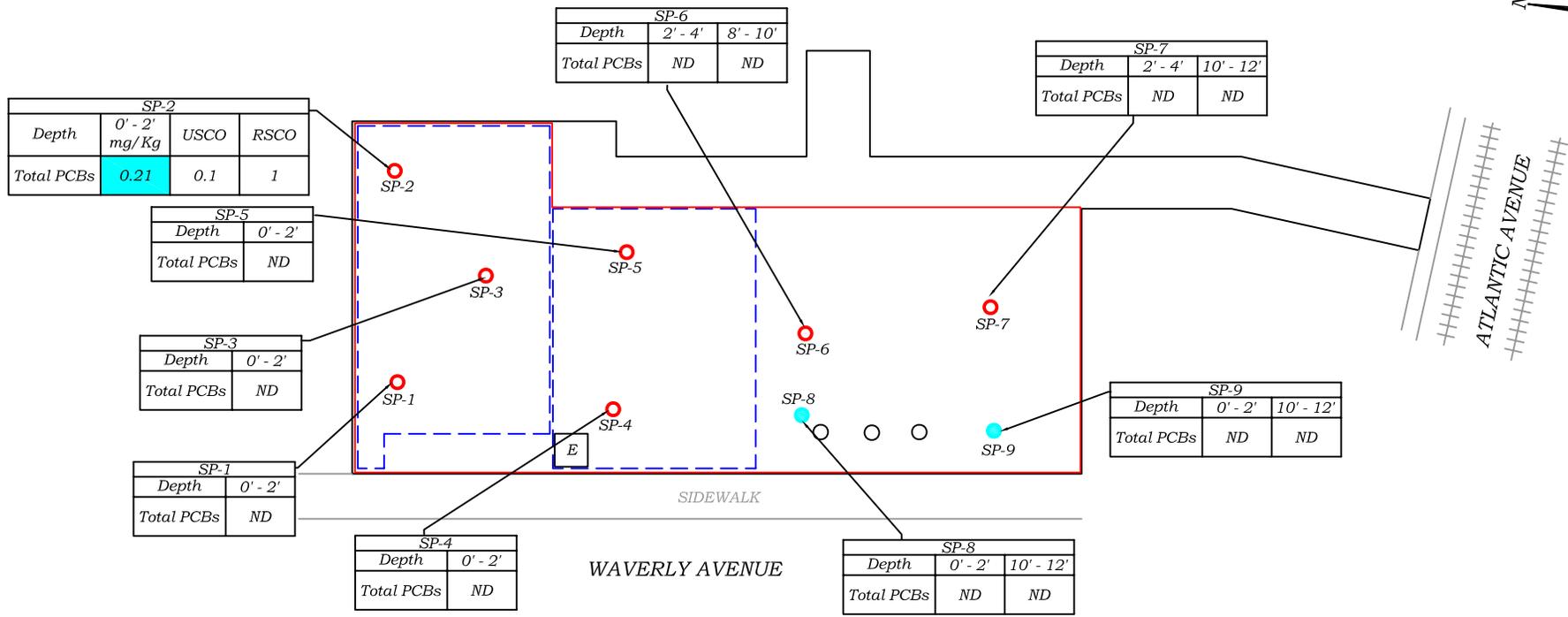
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Approved By: M.S.
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Scale: AS NOTED

TITLE:

FIGURE 7: MAP OF SVOCs IN SOIL



LEGEND:

- SOIL PROBE LOCATIONS (SP) - INSTALLED DURING MAY 2014
- SOIL PROBES LOCATIONS (SP) - INSTALLED DURING SEPTEMBER 2014
- mg/ Kg MILLIGRAMS PER KILOGRAM
- NAS NONE ABOVE STANDARDS
- ND NONE DETECTED
- USCO UNRESTRICTED USE SOIL CLEANUP OBJECTIVES
- RSCO RESTRICTED RESIDENTIAL USE SOIL CLEANUP OBJECTIVES
- GRAY SHADED VALUES EXCEED USCO



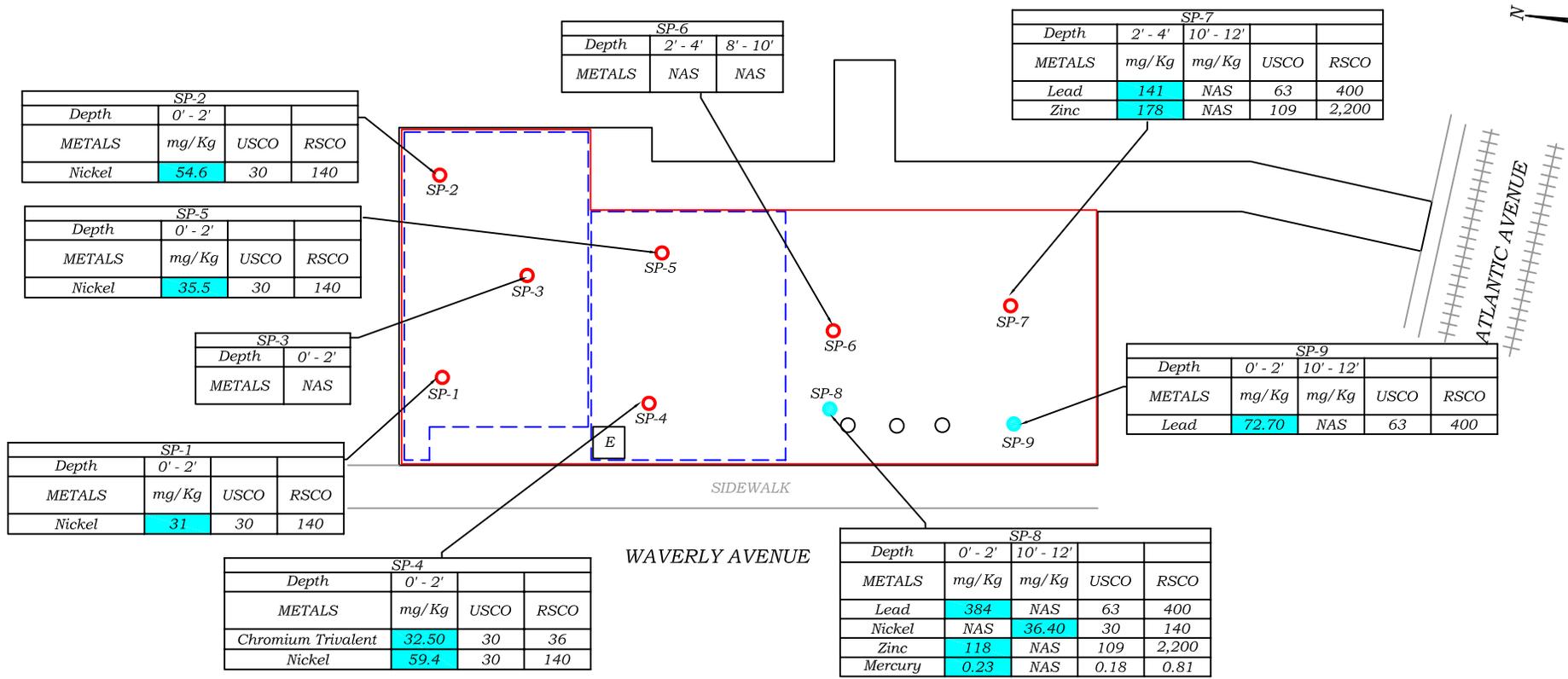
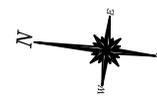
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 Reviewed By: M.R.
 Approved By: M.S.
 Date: 09/22/14
 Scale: AS NOTED

TITLE:

FIGURE 8: MAP OF PESTICIDES IN SOIL



LEGEND:

- SOIL PROBE LOCATIONS (SP) - INSTALLED DURING MAY 2014
- SOIL PROBES LOCATIONS (SP) - INSTALLED DURING SEPTEMBER 2014

mg/Kg MILLIGRAMS PER KILOGRAM

NAS NONE ABOVE STANDARDS

ND NONE DETECTED

USCO UNRESTRICTED USE SOIL CLEANUP OBJECTIVES

RSCO RESTRICTED RESIDENTIAL USE SOIL CLEANUP OBJECTIVES

■ BLUE SHADED VALUES EXCEED USCO



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 Scale: AS NOTED

TITLE:

FIGURE 9: MAP OF METALS IN SOIL



SS-1	
VOCs	µg/m ³
Tetrahydrofuran	3.89
Trichlorofluoromethane	2.7
1,2,4-Trimethylbenzene	8.74
1,3,5-Trimethylbenzene	2.36
2-Butanone	19
4-Ethyltoluene	1.52
4-Methyl-2-pentanone	2.17
Benzene	8.94
Ethyl Benzene	4.26
Toluene	25.1
Chloromethane	1.36
Cyclohexane	12.8
Dichlorodifluoromethane	2.96
Ethanol	766
Ethyl acetate	2.41
Isopropylalcohol	35.1
n-Heptane	10.6
n-Hexane	26.1
o-Xylene	6.08
p- & m- Xylenes	15.1
Tetrachloroethylene	1
Trichloroethylene	0.537
Carbon tetrachloride	0.754
Chloroform	13.2
Methylene chloride	3.82
Acetone	320

SS-2	
VOCs	µg/m ³
Trichlorofluoromethane	3.31
1,2,4-Trimethylbenzene	2.6
2-Butanone	5.75
4-Methyl-2-pentanone	33.2
Benzene	2.84
Ethyl Benzene	2.04
Toluene	24.5
Chloromethane	1.36
Cyclohexane	1.24
Dichlorodifluoromethane	3.06
Ethanol	337
Ethyl acetate	2.99
n-Heptane	1.68
n-Hexane	4.68
o-Xylene	2.26
p- & m- Xylenes	6.16
Tetrachloroethylene	0.813
Trichloroethylene	0.537
Carbon tetrachloride	0.817
Chloroform	9.37
Methylene chloride	1.46
Acetone	79

SV-2	
VOCs	µg/m ³
1,1,2-Trichloro-1,2,2-trifluoroethane	1.10
Tetrahydrofuran	7.90
Trichlorofluoromethane	67
1,2,4-Trimethylbenzene	55
1,3,5-Trimethylbenzene	14
1,3-Butadiene	2.30
2-Butanone	34
2-Hexane	5
4-Methyl-2-pentanone	12
Benzene	11
Ethyl Benzene	34
Toluene	85
Chloromethane	1
Cyclohexane	7
Dichlorodifluoromethane	3.10
n-Heptane	15
n-Hexane	22
o-Xylene	42
p- & m- Xylenes	130
p-Ethyltoluene	67
Tetrachloroethylene	36
Trichloroethylene	0.62
1,1,1-Trichloroethane	3.10
Carbon tetrachloride	4.60
Chloroform	63
Methylene chloride	92
Acetone	220

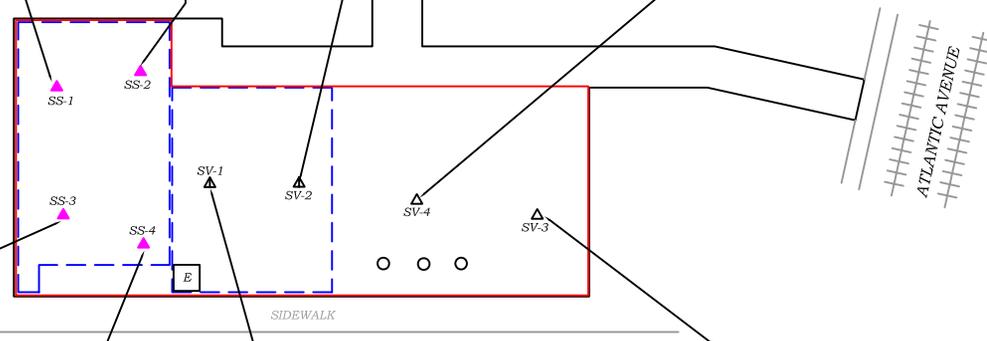
SV-4	
VOCs	µg/m ³
Tetrahydrofuran	18
Trichlorofluoromethane	8.30
1,2,4-Trimethylbenzene	21
1,3,5-Trimethylbenzene	5.30
1,3-Butadiene	44
2-Butanone	19
Benzene	28
Ethyl Benzene	26
Toluene	160
Chloromethane	1.50
Cyclohexane	7.90
Dichlorodifluoromethane	2.50
n-Heptane	29
n-Hexane	110
o-Xylene	24
p- & m- Xylenes	100
p-Ethyltoluene	24
Tetrachloroethylene	13
Trichloroethylene	1.50
Carbon tetrachloride	1.30
Chloroform	8.20
Methylene chloride	22
Acetone	84

SS-3	
VOCs	µg/m ³
Tetrahydrofuran	4.66
Trichlorofluoromethane	2.41
1,2,4-Trimethylbenzene	7.32
1,3,5-Trimethylbenzene	2.06
2-Butanone	8.37
4-Ethyltoluene	2.36
4-Methyl-2-pentanone	2.29
Benzene	6.03
Ethyl Benzene	4.34
Toluene	26.5
Chloromethane	1.32
Cyclohexane	11.3
Dichlorodifluoromethane	2.77
Ethanol	787
Ethyl acetate	5.54
n-Heptane	10.1
n-Hexane	21.8
o-Xylene	5.6
p- & m- Xylenes	14.1
Tetrachloroethylene	1.22
Trichloroethylene	0.483
Carbon tetrachloride	0.754
Chloroform	7.71
Methylene chloride	3.35
Acetone	147

SS-4	
VOCs	µg/m ³
Tetrahydrofuran	5.72
Trichlorofluoromethane	2.41
1,2,4-Trimethylbenzene	7.86
1,3,5-Trimethylbenzene	2.06
2-Butanone	3.77
4-Ethyltoluene	2.01
4-Methyl-2-pentanone	1.72
Benzene	4.95
Ethyl Benzene	4.56
Toluene	25.3
Cyclohexane	10.1
Dichlorodifluoromethane	2.77
Ethanol	469
Ethyl acetate	3.2
n-Heptane	8.72
n-Hexane	16.7
o-Xylene	5.9
p- & m- Xylenes	14.7
Tetrachloroethylene	1.15
Trichloroethylene	0.43
Carbon tetrachloride	1.13
Chloroform	11.8
Methylene chloride	2.78
Acetone	39

SV-1	
VOCs	µg/m ³
Tetrahydrofuran	4.70
Trichlorofluoromethane	3.10
1,2,4-Trimethylbenzene	39
1,3,5-Trimethylbenzene	9.90
2-Butanone	3.60
2-Hexanone	2.10
Benzene	5.50
Ethyl Benzene	26
Toluene	63
Chloromethane	0.95
Cyclohexane	2.80
Dichlorodifluoromethane	2.20
n-Heptane	8.80
n-Hexane	8.20
o-Xylene	31
p- & m- Xylenes	100
p-Ethyltoluene	49
Tetrachloroethylene	3.60
Carbon tetrachloride	0.72
Chloroform	2.10
Methylene chloride	1
Acetone	19

SV-3	
VOCs	µg/m ³
Tetrahydrofuran	12
Trichlorofluoromethane	8.70
1,2,4-Trimethylbenzene	23
1,3,5-Trimethylbenzene	5.60
1,3-Butadiene	46
2-Butanone	62
2-Hexane	11
4-Methyl-2-pentanone	12
Benzene	45
Ethyl Benzene	33
Toluene	200
Chloromethane	2.80
Cyclohexane	6.50
Dichlorodifluoromethane	3
n-Heptane	30
n-Hexane	49
o-Xylene	29
p- & m- Xylenes	130
p-Ethyltoluene	26
Tetrachloroethylene	25
Trichloroethylene	2.50
Carbon tetrachloride	3
Chloroform	150
Methylene chloride	220
Acetone	540



LEGEND:
 ▲ SUB SLAB VAPOR PROBES (SS) - INSTALLED DURING DECEMBER 2012
 ▲ SOIL VAPOR PROBES (SV) - INSTALLED DURING SEPTEMBER 2014
 ▲ SUB SLAB SOIL VAPOR PROBES (SV) - INSTALLED DURING SEPTEMBER 2014
 VOC VOLATILE ORGANIC COMPOUNDS
 µg/m³ MICROGRAMS PER CUBIC METER



HYDRO TECH ENVIRONMENTAL CORP.
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531 - 551 Waverly Ave
 Brooklyn, NY.
 HTE Job # 140127

Drawn By: C.Q.
 Reviewed By: M.R.
 Approved By: M.S.
 Date: 09/22/14
 Scale: AS NOTED

TITLE:

FIGURE 10: MAP OF VOCs IN SOILVAPOR

TABLES

Table 1
Soil Samples Analytical Results for VOCs
531-551 Waverly Avenue, Brooklyn, NY

Sample ID	SP-1 0-2'		SP-2 0-2'		SP-3 0-2'		SP-4 0-2'		SP-5 0-2'		SP-6 (2-4')		SP-6 (8'-10')		SP-7 (2'-4')		SP-7 (10'-12')		SP-8 0-2ft		SP-8 10-12ft		SP-9 0-2ft		SP-9 10-12ft		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential
Sampling Date	5/21/2014		5/21/2014		5/21/2014		5/21/2014		5/21/2014		5/23/2014		5/23/2014		5/23/2014		5/23/2014		9/12/2014		9/12/2014		9/12/2014		9/12/2014			
Client Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil			
Compound	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result			
Units	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/Kg	mg/Kg
1,1,1,2-Tetrachloroethane	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	NS	NS
1,1,1-Trichloroethane	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	0.68	100
1,1,2,2-Tetrachloroethane	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	NS	NS
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	NS	NS
1,1,2-Trichloroethane	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	NS	NS
1,1-Dichloroethane	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	0.27	26
1,1-Dichloroethylene	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	0.33	100
1,1-Dichloropropylene	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	NS	NS
1,2,3-Trichlorobenzene	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	NS	NS
1,2,3-Trichloropropane	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	NS	NS
1,2,4-Trichlorobenzene	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	NS	NS
1,2,4-Trimethylbenzene	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	3.6	52
1,2-Dibromo-3-chloropropane	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	NS	NS
1,2-Dibromoethane	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	NS	NS
1,2-Dichlorobenzene	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	1.1	100
1,2-Dichloroethane	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	0.02	3.1
1,2-Dichloropropane	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	NS	NS
1,3,5-Trimethylbenzene	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	8.4	52
1,3-Dichlorobenzene	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	2.4	49
1,3-Dichloropropane	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	NS	NS
1,4-Dichlorobenzene	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	1.8	13
1,4-Dioxane	0.063	U	0.052	U	0.056	U	0.052	U	0.050	U	0.060	U	0.056	U	0.066	U	0.053	U	0.044	U	0.042	U	0.046	U	0.041	U	0.1	13
2,2-Dichloropropane	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	NS	NS
2-Butanone	0.0032	U	0.0044	J	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	0.12	100
2-Chlorotoluene	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	NS	NS
4-Chlorotoluene	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	NS	NS
Acetone	0.011	JB	0.018	B	0.020	B	0.0047	JB	0.0035	JB	0.035		0.0073	J	0.0055	J	0.0040	J	0.026	B	0.0021	U	0.0069	JB	0.0087	B	0.05	100
Benzene	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	0.06	4.8
Bromobenzene	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	NS	NS
Bromochloromethane	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	NS	NS
Bromodichloromethane	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	NS	NS
Bromoform	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	NS	NS
Bromomethane	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	NS	NS
Carbon tetrachloride	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	0.76	2.4
Chlorobenzene	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	1.1	100
Chloroethane	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	NS	NS
Chloroform	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	0.37	49
Chloromethane	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	NS	NS
cis-1,2-Dichloroethylene	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	0.25	100
cis-1,3-Dichloropropylene	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	NS	NS
Dibromochloromethane	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	NS	NS
Dibromomethane	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	NS	NS
Dichlorodifluoromethane	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	NS	NS
Ethyl Benzene	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025	U	0.0030	U	0.0028	U	0.0033	U	0.0027	U	0.0022	U	0.0021	U	0.0023	U	0.0020	U	1	41
Hexachlorobutadiene	0.0032	U	0.0026	U	0.0028	U	0.0026	U	0.0025																			

Table 1 (Cont.)
Soil Samples Analytical Results for SVOCs
531-551 Waverly Avenue, Brooklyn, NY

Sample ID	SP-1 0-2'		SP-2 0-2'		SP-3 0-2'		SP-4 0-2'		SP-5 0-2'		SP-6 (2'-4')		SP-6 (8'-10')		SP-7 (2'-4')		SP-7 (10'-12')		SP-8 0-2ft		SP-8 10-12ft		SP-9 0-2ft		SP-9 10-12ft		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives -Restricted Residential
Sampling Date	5/21/2014		5/21/2014		5/21/2014		5/21/2014		5/21/2014		5/23/2014		5/23/2014		5/23/2014		5/23/2014		9/12/2014		9/12/2014		9/12/2014		9/12/2014			
Client Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil											
Compound	Result		Result		Result		Result		Result		Result		Result		Result		Result		mg/Kg	mg/Kg								
Units	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/Kg	mg/Kg								
1,2,4-Trichlorobenzene	0.0652	U	0.0651	U	0.0648	U	0.0649	U	0.0654	U	0.45	U	0.045	U	0.23	U	0.043	U	0.044	U	0.044	U	0.23	U	0.045	U	NS	NS
1,2-Dichlorobenzene	0.0652	U	0.0651	U	0.0648	U	0.0649	U	0.0654	U	0.45	U	0.045	U	0.23	U	0.043	U	0.044	U	0.044	U	0.23	U	0.045	U	1.1	100
1,3-Dichlorobenzene	0.0652	U	0.0651	U	0.0648	U	0.0649	U	0.0654	U	0.45	U	0.045	U	0.23	U	0.043	U	0.044	U	0.044	U	0.23	U	0.045	U	2.4	49
1,4-Dichlorobenzene	0.0652	U	0.0651	U	0.0648	U	0.0649	U	0.0654	U	0.45	U	0.045	U	0.23	U	0.043	U	0.044	U	0.044	U	0.23	U	0.045	U	1.8	13
2,4,5-Trichlorophenol	0.0652	U	0.0651	U	0.0648	U	0.0649	U	0.0654	U	0.45	U	0.045	U	0.23	U	0.043	U	0.044	U	0.044	U	0.23	U	0.045	U	NS	NS
2,4,6-Trichlorophenol	0.0652	U	0.0651	U	0.0648	U	0.0649	U	0.0654	U	0.45	U	0.045	U	0.23	U	0.043	U	0.044	U	0.044	U	0.23	U	0.045	U	NS	NS
2,4-Dichlorophenol	0.13	U	0.13	U	0.13	U	0.13	U	0.131	U	0.90	U	0.089	U	0.46	U	0.087	U	0.089	U	0.088	U	0.45	U	0.090	U	NS	NS
2,4-Dimethylphenol	0.0652	U	0.0651	U	0.0648	U	0.0649	U	0.0654	U	0.45	U	0.045	U	0.23	U	0.043	U	0.044	U	0.044	U	0.23	U	0.045	U	NS	NS
2,4-Dinitrophenol	0.259	U	0.259	U	0.258	U	0.258	U	0.26	U	1.80	U	0.18	U	0.91	U	0.17	U	0.18	U	0.17	U	0.90	U	0.18	U	NS	NS
2,4-Dinitrotoluene	0.13	U	0.13	U	0.13	U	0.13	U	0.131	U	0.90	U	0.089	U	0.46	U	0.087	U	0.089	U	0.088	U	0.45	U	0.090	U	NS	NS
2,6-Dinitrotoluene	0.0652	U	0.0651	U	0.0648	U	0.0649	U	0.0654	U	0.45	U	0.045	U	0.23	U	0.043	U	0.044	U	0.044	U	0.23	U	0.045	U	NS	NS
2-Chloronaphthalene	0.0652	U	0.0651	U	0.0648	U	0.0649	U	0.0654	U	0.45	U	0.045	U	0.23	U	0.043	U	0.044	U	0.044	U	0.23	U	0.045	U	NS	NS
2-Chlorophenol	0.0652	U	0.0651	U	0.0648	U	0.0649	U	0.0654	U	0.45	U	0.045	U	0.23	U	0.043	U	0.044	U	0.044	U	0.23	U	0.045	U	NS	NS
2-Methylnaphthalene	0.0652	U	0.0651	U	0.0648	U	0.0649	U	0.0654	U	0.45	U	0.045	U	0.23	U	0.043	U	0.044	U	0.044	U	0.23	U	0.045	U	NS	NS
2-Methylphenol	0.13	U	0.13	U	0.13	U	0.13	U	0.131	U	0.90	U	0.089	U	0.46	U	0.087	U	0.089	U	0.088	U	0.45	U	0.090	U	0.33	100
2-Nitroaniline	0.0652	U	0.0651	U	0.0648	U	0.0649	U	0.0654	U	0.45	U	0.045	U	0.23	U	0.043	U	0.044	U	0.044	U	0.23	U	0.045	U	NS	NS
2-Nitrophenol	0.0652	U	0.0651	U	0.0648	U	0.0649	U	0.0654	U	0.45	U	0.045	U	0.23	U	0.043	U	0.044	U	0.044	U	0.23	U	0.045	U	NS	NS
3- & 4-Methylphenols	0.13	U	0.13	U	0.13	U	0.13	U	0.131	U	0.90	U	0.089	U	0.46	U	0.087	U	0.089	U	0.088	U	0.45	U	0.090	U	NS	NS
3,3'-Dichlorobenzidine	0.259	U	0.259	U	0.258	U	0.258	U	0.26	U	1.80	U	0.18	U	0.91	U	0.17	U	0.18	U	0.17	U	0.90	U	0.18	U	NS	NS
3-Nitroaniline	0.13	U	0.13	U	0.13	U	0.13	U	0.131	U	0.90	U	0.089	U	0.46	U	0.087	U	0.089	U	0.088	U	0.45	U	0.090	U	NS	NS
4,6-Dinitro-2-methylphenol	0.13	U	0.13	U	0.13	U	0.13	U	0.131	U	0.90	U	0.089	U	0.46	U	0.087	U	0.089	U	0.088	U	0.45	U	0.090	U	NS	NS
4-Bromophenyl phenyl ether	0.0652	U	0.0651	U	0.0648	U	0.0649	U	0.0654	U	0.45	U	0.045	U	0.23	U	0.043	U	0.044	U	0.044	U	0.23	U	0.045	U	NS	NS
4-Chloro-3-methylphenol	0.13	U	0.13	U	0.13	U	0.13	U	0.131	U	0.90	U	0.089	U	0.46	U	0.087	U	0.089	U	0.088	U	0.45	U	0.090	U	NS	NS
4-Chloroaniline	0.13	U	0.13	U	0.13	U	0.13	U	0.131	U	0.90	U	0.089	U	0.46	U	0.087	U	0.089	U	0.088	U	0.45	U	0.090	U	NS	NS
4-Chlorophenyl phenyl ether	0.0652	U	0.0651	U	0.0648	U	0.0649	U	0.0654	U	0.45	U	0.045	U	0.23	U	0.043	U	0.044	U	0.044	U	0.23	U	0.045	U	NS	NS
4-Nitroaniline	0.13	U	0.13	U	0.13	U	0.13	U	0.131	U	0.90	U	0.089	U	0.46	U	0.087	U	0.089	U	0.088	U	0.45	U	0.090	U	NS	NS
4-Nitrophenol	0.13	U	0.13	U	0.13	U	0.13	U	0.131	U	0.90	U	0.089	U	0.46	U	0.087	U	0.089	U	0.088	U	0.45	U	0.090	U	NS	NS
Acenaphthene	0.0652	U	0.0651	U	0.0648	U	0.0649	U	0.0654	U	0.45	U	0.045	U	0.23	U	0.043	U	0.11	J	0.044	U	0.69	JD	0.045	U	20	100
Acenaphthylene	0.0652	U	0.0651	U	0.0648	U	0.0649	U	0.0654	U	0.45	U	0.045	U	0.23	U	0.043	U	0.044	U	0.044	U	0.23	U	0.045	U	100	100
Aniline	0.0652	U	0.0651	U	0.0648	U	0.0649	U	0.0654	U	0.45	U	0.045	U	0.23	U	0.043	U	0.044	U	0.044	U	0.23	U	0.045	U	NS	NS
Anthracene	0.0652	U	0.0651	U	0.0648	U	0.0649	U	0.0654	U	0.45	U	0.045	U	0.27	JD	0.043	U	0.21		0.044	U	1.11	D	0.045	U	100	100
Benzo(a)anthracene	0.0652	U	0.0651	U	0.0648	U	0.0649	U	0.0654	U	1.03	JD	0.045	U	1.48	D	0.043	U	0.69		0.044	U	2.70	D	0.045	U	1	1
Benzo(a)pyrene	0.0652	U	0.0651	U	0.0648	U	0.0649	U	0.0654	U	0.69	JD	0.045	U	1.67	D	0.043	U	0.35		0.044	U	1.26	D	0.045	U	1	1
Benzo(b)fluoranthene	0.0652	U	0.0651	U	0.0648	U	0.0649	U	0.0654	U	0.52	JD	0.045	U	1.31	D	0.043	U	0.31		0.044	U	1.10	D	0.045	U	1	1
Benzo(g,h,i)perylene	0.13	U	0.13	U	0.13	U	0.13	U	0.131	U	0.90	U	0.089	U	0.91	D	0.087	U	0.21		0.088	U	0.81	JD	0.090	U	100	100
Benzo(k)fluoranthene	0.0652	U	0.0651	U	0.0648	U	0.0649	U	0.0654	U	0.79	JD	0.045	U	1.05	D	0.043	U	0.34		0.044	U	1.27	D	0.045	U	0.8	3.9
Benzyl alcohol	0.13	U	0.13	U	0.13	U	0.13	U	0.131	U	0.90	U	0.089	U	0.46	U	0.087	U	0.089	U	0.088	U	0.45	U	0.090	U	NS	NS
Benzyl butyl phthalate	0.0652	U	0.0651	U	0.0648	U	0.0649	U	0.0654	U	0.45	U	0.045	U	0.23	U	0.043	U	0.044	U	0.044	U	0.23	U	0.045	U	NS	NS
Bis(2-chloroethoxy)methane	0.0652	U	0.0651	U	0.0648	U	0.0649	U	0.0654	U	0.45	U	0.045	U	0.23	U	0.043	U	0.044	U	0.044	U	0.23	U	0.045	U	NS	NS
Bis(2-chloroethoxy)ether	0.0652	U	0.0651	U	0.0648	U	0.0649	U	0.0654	U	0.45	U	0.045	U	0.23	U	0.043	U	0.044	U	0.044	U	0.23	U	0.045	U	NS	NS
Bis(2-chloroisopropyl)ether	0.0652	U	0.0651	U	0.0648	U	0.0649	U	0.0654	U	0.45	U	0.045	U	0.23	U	0.043	U	0.044	U	0.044	U	0.23	U	0.045	U	NS	NS
Bis(2-ethylhexyl)phthalate	0.0652	U	0.0651	U	0.0648	U	0.0649	U	0.0654	U	0.45	U	0.045	U	0.23	U	0.043	U	0.044	U	0.044	U	0.23	U	0.045	U	NS	NS
Chrysene	0.0652	U	0.0651	U	0.0648	U	0.0649	U	0.0654	U	1.21	JD	0.045	U	1.61	D	0.043	U	0.68		0.044	U	2.54	D	0.045	U	1	3.9
Dibenzo(a,h)anthracene	0.0652	U	0.0651	U	0.0648	U	0.0649	U	0.0654	U	0.45	U	0.045	U	0.23	U	0.043	U	0.044	U	0.044	U	0.42	JD	0.045	U	0.33	0.33
Dibenzofuran	0.0652	U	0.0651	U	0.0648	U	0.0649	U	0.0654	U	0.45	U	0.045	U	0.23	U	0.043	U	0.057	J	0.044	U	0.30	JD	0.045	U	7	59
Diethyl phthalate	0.0652	U	0.0651	U	0.0648	U	0.0649	U	0.0654	U	0.45	U	0.045	U	0.23	U	0.043	U	0.044	U	0.044	U	0.23	U	0.045	U	NS	NS
Dimethyl phthalate	0.0652	U	0.0651	U	0.0648	U	0.0649	U	0.0654	U	0.45	U	0.045	U	0.23	U	0.043	U	0.044	U	0.044	U	0.23	U	0.045	U	NS	NS
Di-n-butyl phthalate	0.0652	U	0.0651																									

Table 1 (cont.)
Soil Samples Analytical Results for Pesticides and PCBs
531-551 Waverly Avenue, Brooklyn, NY

Sample ID	SP-1 0-2'		SP-2 0-2'		SP-3 0-2'		SP-4 0-2'		SP-5 0-2'		SP-6 (2'-4')		SP-6 (8'-10')		SP-7 (2'-4')		SP-7 (10'-12')		SP-8 0-2ft		SP-8 10-12ft		SP-9 0-2ft		SP-9 10-12ft		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential
Sampling Date	5/21/2014		5/21/2014		5/21/2014		5/21/2014		5/21/2014		5/23/2014		5/23/2014		5/23/2014		5/23/2014		9/12/2014		9/12/2014		9/12/2014		9/12/2014			
Client Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil											
Compound	Result		Result		Result		Result		Result		Result		Result		Result		Result											
Units	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/Kg	mg/Kg								
4,4'-DDD	0.0017	U	0.0018	U	0.0018	U	0.0017	U	0.0026	U	0.0026	U	0.0027	U	0.0027	U	0.0027	U	0.0033	13								
4,4'-DDE	0.0017	U	0.0018	U	0.0018	U	0.0017	U	0.0026	U	0.0026	U	0.0027	U	0.0027	U	0.0027	U	0.0033	8.9								
4,4'-DDT	0.0017	U	0.036	D	0.0017	U	0.0017	U	0.0017	U	0.0018	U	0.0018	U	0.0017	U	0.0026	U	0.0026	U	0.0027	U	0.0027	U	0.0027	U	0.0033	7.9
Aldrin	0.0017	U	0.0018	U	0.0018	U	0.0017	U	0.0026	U	0.0026	U	0.0027	U	0.0027	U	0.0027	U	0.005	0.097								
alpha-BHC	0.0017	U	0.0018	U	0.0018	U	0.0017	U	0.0026	U	0.0026	U	0.0027	U	0.0027	U	0.0027	U	0.02	0.48								
alpha-Chlordane	NT		NT		NT		NT		0.0026	U	0.0026	U	0.0027	U	0.0027	U	0.0027	U	0.094	0.91								
Aroclor 1016	0.018	U	0.018	U	0.018	U	0.018	U	0.026	U	0.026	U	0.027	U	0.027	U	0.027	U	NS	NS								
Aroclor 1221	0.018	U	0.018	U	0.018	U	0.018	U	0.026	U	0.026	U	0.027	U	0.027	U	0.027	U	NS	NS								
Aroclor 1232	0.018	U	0.018	U	0.018	U	0.018	U	0.026	U	0.026	U	0.027	U	0.027	U	0.027	U	NS	NS								
Aroclor 1242	0.018	U	0.018	U	0.018	U	0.018	U	0.026	U	0.026	U	0.027	U	0.027	U	0.027	U	NS	NS								
Aroclor 1248	0.018	U	0.018	U	0.018	U	0.018	U	0.026	U	0.026	U	0.027	U	0.027	U	0.027	U	NS	NS								
Aroclor 1254	0.062		0.21		0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.026	U	0.026	U	0.027	U	0.027	U	0.027	U	NS	NS
Aroclor 1260	0.018	U	0.018	U	0.018	U	0.018	U	0.026	U	0.026	U	0.027	U	0.027	U	0.027	U	NS	NS								
beta-BHC	0.0017	U	0.0018	U	0.0018	U	0.0017	U	0.0026	U	0.0026	U	0.0027	U	0.0027	U	0.0027	U	0.036	0.36								
Chlordane, total	0.0068	U	0.0068	U	0.0068	U	0.0068	U	0.0069	U	0.0071	U	0.0070	U	0.0072	U	0.0068	U	0.11	U	0.10	U	0.11	U	0.11	U	NS	NS
delta-BHC	0.0017	U	0.0018	U	0.0018	U	0.0017	U	0.0026	U	0.0026	U	0.0027	U	0.0027	U	0.0027	U	0.04	100								
Dieldrin	0.0017	U	0.0018	U	0.0018	U	0.0017	U	0.0026	U	0.0026	U	0.0027	U	0.0027	U	0.0027	U	0.005	0.2								
Endosulfan I	0.0017	U	0.0018	U	0.0018	U	0.0017	U	0.0026	U	0.0026	U	0.0027	U	0.0027	U	0.0027	U	2.4	24								
Endosulfan II	0.0017	U	0.0018	U	0.0018	U	0.0017	U	0.0026	U	0.0026	U	0.0027	U	0.0027	U	0.0027	U	2.4	24								
Endosulfan sulfate	0.0017	U	0.0018	U	0.0018	U	0.0017	U	0.0026	U	0.0026	U	0.0027	U	0.0027	U	0.0027	U	2.4	24								
Endrin	0.0017	U	0.0018	U	0.0018	U	0.0017	U	0.0026	U	0.0026	U	0.0027	U	0.0027	U	0.0027	U	0.014	11								
Endrin aldehyde	0.0017	U	0.0018	U	0.0018	U	0.0017	U	0.0026	U	0.0026	U	0.0027	U	0.0027	U	0.0027	U	NS	NS								
Endrin ketone	0.0017	U	0.0018	U	0.0018	U	0.0017	U	0.0026	U	0.0026	U	0.0027	U	0.0027	U	0.0027	U	NS	NS								
gamma-BHC (Lindane)	0.0017	U	0.0018	U	0.0018	U	0.0017	U	0.0026	U	0.0026	U	0.0027	U	0.0027	U	0.0027	U	0.1	1.3								
gamma-Chlordane	NT		NT		NT		NT		0.0026	U	0.0026	U	0.0027	U	0.0027	U	0.0027	U	NS	NS								
Heptachlor	0.0017	U	0.0018	U	0.0018	U	0.0017	U	0.0026	U	0.0026	U	0.0027	U	0.0027	U	0.0027	U	0.042	2.1								
Heptachlor epoxide	0.0017	U	0.0018	U	0.0018	U	0.0017	U	0.0026	U	0.0026	U	0.0027	U	0.0027	U	0.0027	U	NS	NS								
Methoxychlor	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0086	U	0.0089	U	0.0087	U	0.0089	U	0.013	U	0.013	U	0.013	U	0.013	U	0.013	U	NS	NS
Toxaphene	0.086	U	0.086	U	0.086	U	0.086	U	0.087	U	0.090	U	0.088	U	0.091	U	0.086	U	0.13	U	0.13	U	0.14	U	0.13	U	NS	NS
Total PCBs	0.062		0.21		0.0070	U	0.0070	U	0.0071	U	0.0073	U	0.0072	U	0.0074	U	0.0070	U	0.026	U	0.026	U	0.027	U	0.027	U	0.1	1

NOTES:
Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
B=analyte found in the analysis batch blank
NT=this indicates the analyte was not a target for this sample
NS=this indicates that no regulatory limit has been established for this analyte
Grey shaded values represent concentration exceeding Unrestricted Use SCO

Table 1 (Cont.)
Soil Samples Analytical Results for Metals
531-551 Waverly Avenue, Brooklyn, NY

Sample ID	SP-1 0-2'		SP-2 0-2'		SP-3 0-2'		SP-4 0-2'		SP-5 0-2'		SP-6 (2'-4')		SP-6 (8'-10')		SP-7 (2'-4')		SP-7 (10'-12')		SP-8 0-2ft		SP-8 10-12ft		SP-9 0-2ft		SP-9 10-12ft		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Residential
Sampling Date	5/21/2014		5/21/2014		5/21/2014		5/21/2014		5/21/2014		5/23/2014		5/23/2014		5/23/2014		5/23/2014		9/12/2014		9/12/2014		9/12/2014		9/12/2014			
Client Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil											
Compound	Result		Result		Result		Result		Result		Result		Result		Result		Result											
Units	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q										
Aluminum	8,030		10,500		7,380		8,240		8,050		8,420	B	11,800	B	8,860	B	9,610	B	8,910		7,870		6,270		9,840		NS	NS
Antimony	0.517	U	0.517	U	0.514	U	0.515	U	0.519	U	0.54	U	0.53	U	0.54	U	0.52	U	0.53	U	0.52	U	0.54	U	0.54	U	NS	NS
Arsenic	2.01		3.2		1.84		1.66		2.32		3.85		3.50		3.47		3.53		5.10		2.40		3.40		2.43		13	16
Barium	60.7		50.6		50.6		43.8		59.6		91.30		56.80		115		31.30		290		42.80		100		37.10		350	350
Beryllium	0.103	U	0.103	U	0.103	U	0.103	U	0.104	U	0.11	U	0.11	U	0.11	U	0.10	U	0.11	U	0.10	U	0.11	U	0.11	U	7.2	14
Cadmium	0.31	U	0.31	U	0.309	U	0.309	U	0.311	U	0.32	U	0.32	U	0.33	U	0.31	U	0.32	U	0.31	U	0.33	U	0.32	U	2.5	2.5
Calcium	9,320		6,100		2,280		481		1,470		5,320		944		2,350		672		8,190		567		20,100		346		NS	NS
Chromium Trivalent	21.40		25.40		13.70		32.50		17.20		12.50		14		14		25.30		16.10		15		11.20		14.90		30	36
Chromium, Hexavalent	0.52	U	0.52	U	0.51	U	0.52	U	0.52	U	0.54	U	0.53	U	0.54	U	0.52	U	0.53	U	0.52	U	0.54	U	0.54	U	1	22
Cobalt	6.52		10.5		5.79		12.1		7.87		5.76		7.61		6.19		7.41		6.41		6.82		5.12		7.38		NS	NS
Copper	19.3		25.7		15		19.8		20.8		22.80		13.10		21.70		12.30		20.30		19.20		25.60		18.10		50	270
Iron	13,200		18,300		11,700		16,700		13,400		13,800		16,100		14,900		20,000		16,700		15,800		12,000		18,900		NS	NS
Lead	9.92		11.8		24.7		6.71		9.44		63		34.80		141		6.95		384		8.06		72.70		6.62		63	400
Magnesium	2,840		4,990		2,170		2,970		2,650		2,030		1,830		2,550		1,830		2,510		3,360		2,340		3,280		NS	NS
Manganese	276		406		282		374		318		278		300		345		303		305		425		246		385		1600	2000
Nickel	31		54.6		28.7		59.4		35.5		17.20		14.10		21.10		17.90		23.40		36.40		20.50		28.30		30	140
Potassium	1,090		1,410		963		1,320		1,010		918		707		1,050		705		865		949		1,150		1,140		NS	NS
Selenium	1.03	U	1.31		1.03	U	1.03	U	1.18		1.08	U	1.54		1.08	U	1.03	U	1.06	U	1.20		1.23		1.07	U	3.9	36
Silver	0.517	U	0.517	U	0.514	U	0.515	U	0.519	U	0.54	U	0.53	U	0.54	U	0.52	U	0.53	U	0.52	U	0.54	U	0.54	U	2	36
Sodium	526		181		28.3		366		90.9		1,550		962		194		134		491		92.80		1,250		294		NS	NS
Thallium	1.03	U	1.03	U	1.03	U	1.03	U	1.04	U	1.08	U	1.06	U	1.08	U	1.03	U	1.06	U	1.04	U	1.08	U	1.07	U	NS	NS
Vanadium	20.5		26		24.1		26.9		25.6		19.60		24		24.60		24.90		23.70		28.50		19		21.40		NS	NS
Zinc	44.9		52.6		33.3		34.7		36.2		78.80		35.10		178		25.80		118		32.40		93.90		39.50		109	2200
Mercury	0.0341	U	0.0341	U	0.0339	U	0.034	U	0.0342	U	0.036	U	0.035	U	0.050		0.034	U	0.23		0.031	U	0.12		0.032	U	0.18	0.81

NOTES:
Q is the Qualifier Column with definitions as follows:
U=analyte not detected at or above the level indicated
NS=this indicates that no regulatory limit has been established for this analyte
Grey shaded values represent concentration exceeding Unrestricted Use SCC

Table 1 (Cont.)
Blanks Analytical Results for VOCs
531-551 Waverly Avenue, Brooklyn, NY

Sample ID	Field Blank		Trip Blank	
Sampling Date	5/21/2014		5/21/2014	
Client Matrix	Water		Water	
Compound	Result	Q	Result	Q
1,1,1,2-Tetrachloroethane	2.5	U	2.5	U
1,1,1-Trichloroethane	2.5	U	2.5	U
1,1,2,2-Tetrachloroethane	2.5	U	2.5	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	2.5	U	2.5	U
1,1,2-Trichloroethane	2.5	U	2.5	U
1,1-Dichloroethane	2.5	U	2.5	U
1,1-Dichloroethylene	2.5	U	2.5	U
1,1-Dichloropropylene	2.5	U	2.5	U
1,2,3-Trichlorobenzene	2.5	U	2.5	U
1,2,3-Trichloropropane	2.5	U	2.5	U
1,2,4-Trichlorobenzene	2.5	U	2.5	U
1,2,4-Trimethylbenzene	2.5	U	2.5	U
1,2-Dibromo-3-chloropropane	2.5	U	2.5	U
1,2-Dibromoethane	2.5	U	2.5	U
1,2-Dichlorobenzene	2.5	U	2.5	U
1,2-Dichloroethane	2.5	U	2.5	U
1,2-Dichloropropane	2.5	U	2.5	U
1,3,5-Trimethylbenzene	2.5	U	2.5	U
1,3-Dichlorobenzene	2.5	U	2.5	U
1,3-Dichloropropane	2.5	U	2.5	U
1,4-Dichlorobenzene	2.5	U	2.5	U
2,2-Dichloropropane	2.5	U	2.5	U
2-Butanone	2.5	U	2.5	U
2-Chlorotoluene	2.5	U	2.5	U
4-Chlorotoluene	2.5	U	2.5	U
Acetone	2.5	U	2.5	U
Benzene	2.5	U	2.5	U
Bromobenzene	2.5	U	2.5	U
Bromochloromethane	2.5	U	2.5	U
Bromodichloromethane	2.5	U	2.5	U
Bromoform	2.5	U	2.5	U
Bromomethane	2.5	U	2.5	U
Carbon tetrachloride	2.5	U	2.5	U
Chlorobenzene	2.5	U	2.5	U
Chloroethane	2.5	U	2.5	U
Chloroform	2.5	U	2.5	U
Chloromethane	2.5	U	2.5	U
cis-1,2-Dichloroethylene	2.5	U	2.5	U
cis-1,3-Dichloropropylene	2.5	U	2.5	U
Dibromochloromethane	2.5	U	2.5	U
Dibromomethane	2.5	U	2.5	U
Dichlorodifluoromethane	2.5	U	2.5	U
Ethyl Benzene	2.5	U	2.5	U
Hexachlorobutadiene	2.5	U	2.5	U
Isopropylbenzene	2.5	U	2.5	U
Methyl tert-butyl ether (MTBE)	2.5	U	2.5	U
Methylene chloride	2.5	U	5.4	
Naphthalene	2.5	U	2.5	U
n-Butylbenzene	2.5	U	2.5	U
n-Propylbenzene	2.5	U	2.5	U
o-Xylene	2.5	U	2.5	U
p- & m- Xylenes	5	U	5	U
p-Isopropyltoluene	2.5	U	2.5	U
sec-Butylbenzene	2.5	U	2.5	U
Styrene	2.5	U	2.5	U
tert-Butylbenzene	2.5	U	2.5	U
Tetrachloroethylene	2.5	U	2.5	U
Toluene	2.5	U	2.5	U
trans-1,2-Dichloroethylene	2.5	U	2.5	U
trans-1,3-Dichloropropylene	2.5	U	2.5	U
Trichloroethylene	2.5	U	2.5	U
Trichlorofluoromethane	2.5	U	2.5	U
Vinyl acetate	2.5	U	2.5	U
Vinyl Chloride	2.5	U	2.5	U

NOTES:

Q is the Qualifier Column with definitions as follows:

U=analyte not detected at or above the level indicated

Table 1 (Cont.)
Blanks Analytical Results for SVOCs
531-551 Waverly Avenue, Brooklyn, NY

Sample ID	Field Blank	
Sampling Date	5/21/2014	
Client Matrix	Water	
Compound	Result	Q
1,2,4-Trichlorobenzene	2.63	U
1,2-Dichlorobenzene	2.63	U
1,3-Dichlorobenzene	2.63	U
1,4-Dichlorobenzene	2.63	U
2,4,5-Trichlorophenol	2.63	U
2,4,6-Trichlorophenol	2.63	U
2,4-Dichlorophenol	2.63	U
2,4-Dimethylphenol	2.63	U
2,4-Dinitrophenol	2.63	U
2,4-Dinitrotoluene	2.63	U
2,6-Dinitrotoluene	2.63	U
2-Chloronaphthalene	2.63	U
2-Chlorophenol	2.63	U
2-Methylnaphthalene	2.63	U
2-Methylphenol	2.63	U
2-Nitroaniline	2.63	U
2-Nitrophenol	2.63	U
3- & 4-Methylphenols	2.63	U
3,3'-Dichlorobenzidine	2.63	U
3-Nitroaniline	2.63	U
4,6-Dinitro-2-methylphenol	2.63	U
4-Bromophenyl phenyl ether	2.63	U
4-Chloro-3-methylphenol	2.63	U
4-Chloroaniline	2.63	U
4-Chlorophenyl phenyl ether	2.63	U
4-Nitroaniline	2.63	U
4-Nitrophenol	2.63	U
Acenaphthene	0.0526	U
Acenaphthylene	0.0526	U
Aniline	2.63	U
Anthracene	0.0526	U
Benzo(a)anthracene	0.0526	U
Benzo(a)pyrene	0.0526	U
Benzo(b)fluoranthene	0.0526	U
Benzo(g,h,i)perylene	0.0526	U
Benzo(k)fluoranthene	0.0526	U
Benzyl alcohol	2.63	U
Benzyl butyl phthalate	2.63	U
Bis(2-chloroethoxy)methane	2.63	U
Bis(2-chloroethyl)ether	2.63	U
Bis(2-chloroisopropyl)ether	2.63	U
Bis(2-ethylhexyl)phthalate	0.526	U
Chrysene	0.0526	U
Dibenzo(a,h)anthracene	0.0526	U
Dibenzofuran	2.63	U
Diethyl phthalate	2.63	U
Dimethyl phthalate	2.63	U
Di-n-butyl phthalate	2.63	U
Di-n-octyl phthalate	2.63	U
Fluoranthene	0.0526	U
Fluorene	0.0526	U
Hexachlorobenzene	0.0211	U
Hexachlorobutadiene	0.526	U
Hexachlorocyclopentadiene	2.63	U
Hexachloroethane	0.526	U
Indeno(1,2,3-cd)pyrene	0.0526	U
Isophorone	2.63	U
Naphthalene	0.0526	U
Nitrobenzene	0.263	U
N-Nitrosodimethylamine	0.526	U
N-nitroso-di-n-propylamine	2.63	U
N-Nitrosodiphenylamine	2.63	U
Pentachlorophenol	0.263	U
Phenanthrene	0.0526	U
Phenol	2.63	U
Pyrene	0.0526	U
Pyridine	2.63	U

NOTES:

Q is the Qualifier Column with definitions as follows:
U=analyte not detected at or above the level indicated

Table 1 (Cont.)
Blanks Analytical Results for Pesticides and PCBs
531-551 Waverly Avenue, Brooklyn, NY

Sample ID	Field Blank	
Sampling Date	5/21/2014	
Client Matrix	Water	
Compound	Result	Q
4,4'-DDD	0.004	U
4,4'-DDE	0.004	U
4,4'-DDT	0.004	U
Aldrin	0.004	U
alpha-BHC	0.004	U
Aroclor 1016	0.05	U
Aroclor 1221	0.05	U
Aroclor 1232	0.05	U
Aroclor 1242	0.05	U
Aroclor 1248	0.05	U
Aroclor 1254	0.05	U
Aroclor 1260	0.05	U
beta-BHC	0.004	U
Chlordane, total	0.04	U
delta-BHC	0.004	U
Dieldrin	0.002	U
Endosulfan I	0.004	U
Endosulfan II	0.004	U
Endosulfan sulfate	0.004	U
Endrin	0.004	U
Endrin aldehyde	0.01	U
Endrin ketone	0.01	U
gamma-BHC (Lindane)	0.004	U
Heptachlor	0.004	U
Heptachlor epoxide	0.004	U
Methoxychlor	0.004	U
Toxaphene	0.1	U

NOTES:

Q is the Qualifier Column with definitions as follows:

U=analyte not detected at or above the level indicated

Table 1 (Cont.)
Blanks Analytical Results for Metals
531-551 Waverly Avenue, Brooklyn, NY

Sample ID	Field Blank	
Sampling Date	5/21/2014	
Client Matrix	Water	
Compound	Result	Q
Aluminum	10	U
Antimony	5	U
Arsenic	4	U
Barium	10	U
Beryllium	1	U
Cadmium	3	U
Calcium	50	U
Chromium	5	U
Cobalt	5	U
Copper	3	U
Iron	20	U
Lead	3	U
Magnesium	50	U
Manganese	5	U
Nickel	5	U
Potassium	50	U
Selenium	10	U
Silver	5	U
Sodium	100	U
Thallium	5	U
Vanadium	10	U
Zinc	10	U
Mercury	0.2	U

NOTES:

Q is the Qualifier Column with definitions as follows:

U=analyte not detected at or above the level indicated

Table 2
Soil Vapor Analytical Results
531-551 Waverly Avenue, Brooklyn, NY

Sample ID	SS-1		SS-2		SS-3		SS-4		IA-1		IA-2		OA-1		SV-1		SV-2		SV-3		SV-4	
Sampling Date	12/13/2012		12/13/2012		12/13/2012		12/13/2012		12/13/2012		12/13/2012		12/13/2012		9/12/2014		9/12/2014		9/12/2014		9/12/2014	
Client Matrix	Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Indoor Ambient Air		Outdoor Ambient Air		Outdoor Ambient Air		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor	
Compound	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result	
Units	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q
1,1,1,2-Tetrachloroethane	ND		ND		ND		ND		ND		ND		ND		NT		NT		NT		NT	
1,1,1-Trichloroethane	ND		ND		ND		ND		ND		ND		ND		0.70	U	3.10	D	0.79	U	0.94	U
1,1,2,2-Tetrachloroethane	ND		ND		ND		ND		ND		ND		ND		0.88	U	0.88	U	1	U	1.20	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NT		NT		NT		NT		NT		NT		NT		0.98	U	1.10	D	1.10	U	1.30	U
1,1,2-Trichloroethane	ND		ND		ND		ND		ND		ND		ND		0.70	U	0.70	U	0.79	U	0.94	U
1,1-Dichloroethane	ND		ND		ND		ND		ND		ND		ND		0.52	U	0.52	U	0.59	U	0.69	U
1,1-Dichloroethylene	NT		NT		NT		NT		NT		NT		NT		0.51	U	0.51	U	0.58	U	0.68	U
1,1-Dichloroethene	ND		ND		ND		ND		ND		ND		ND		NT		NT		NT		NT	
1,2,4-Trichlorobenzene	ND		ND		ND		ND		ND		ND		ND		0.95	U	0.95	U	1.10	U	1.30	U
1,2,4-Trimethylbenzene	8.74		2.6		7.32		7.86		1.57		ND		6.44		39	D	55	D	23	D	21	D
1,2-Dibromoethane	ND		ND		ND		ND		ND		ND		ND		0.98	U	0.98	U	1.10	U	1.30	U
1,2-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		0.77	U	0.77	U	0.87	U	1	U
1,2-Dichloroethane	ND		ND		ND		ND		ND		ND		ND		0.52	U	0.52	U	0.59	U	0.69	U
1,2-Dichloroethene	ND		ND		ND		ND		ND		ND		ND		NT		NT		NT		NT	
1,2-Dichloropropane	NT		NT		NT		NT		NT		NT		NT		0.59	U	0.59	U	0.67	U	0.79	U
1,2-Dichlorotetrafluoroethane	ND		ND		ND		ND		ND		ND		ND		0.89	U	0.89	U	1	U	1.20	U
1,3,5-Trimethylbenzene	2.36		ND		2.06		2.06		ND		ND		2.31		9.90	D	14	D	5.60	D	5.30	D
1,3-Butadiene	ND		ND		ND		ND		ND		ND		ND		0.55	U	2.30	D	46	D	44	D
1,3-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		0.77	U	0.77	U	0.87	U	1	U
1,4-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		0.77	U	0.77	U	0.87	U	1	U
1,4-Dioxane	ND		ND		ND		ND		ND		ND		ND		0.46	U	0.46	U	0.52	U	0.62	U
2-Butanone	19		5.75		8.37		3.77		2.27		2.86		ND		3.60	D	34	D	62	D	19	D
2-Hexanone	ND		ND		ND		ND		ND		ND		ND		2.10	D	5	D	11	D	1.40	U
4-Ethyltoluene	1.52		ND		2.36		2.01		ND		ND		1.87		NT		NT		NT		NT	
4-Isopropyltoluene	ND		ND		ND		ND		ND		ND		ND		NT		NT		NT		NT	
4-Methyl-2-pentanone	2.17		33.2		2.29		1.72		ND		ND		1.88		0.52	U	12	D	12	D	0.70	U
Acetone	320		79		147		39		26		32		53.4		19	D	220	D	540	D	84	D
Acrylonitrile	ND		ND		ND		ND		ND		ND		ND		NT		NT		NT		NT	
Benzene	8.94		2.84		6.03		4.95		1.92		1.92		5.52		5.50	D	11	D	45	D	28	D
Benzyl chloride	ND		ND		ND		ND		ND		ND		ND		0.66	U	0.66	U	0.75	U	0.89	U
Bromodichloromethane	ND		ND		ND		ND		ND		ND		ND		0.79	U	0.79	U	2.60	D	1.10	U
Bromoform	ND		ND		ND		ND		ND		ND		ND		1.30	U	1.30	U	1.50	U	1.80	U
Bromomethane	ND		ND		ND		ND		ND		ND		ND		0.50	U	0.50	U	0.56	U	0.67	U
Carbon disulfide	2.55		2.49		1.46		ND		ND		ND		ND		1.40	D	11	D	49	D	10	D
Carbon tetrachloride	0.754		0.817		0.754		1.13		0.629		0.629		0.692		0.72	D	4.60	D	3	D	1.30	D
Chlorobenzene	ND		ND		ND		ND		ND		ND		ND		0.59	U	0.59	U	0.67	U	0.79	U
Chloroethane	ND		ND		ND		ND		ND		ND		ND		0.34	U	0.34	U	0.38	U	0.45	U
Chloroform	13.2		9.37		7.71		11.8		2.59		3.51		2.2		2.10	D	63	D	150	D	8.20	D
Chloromethane	1.36		1.36		1.32		ND		ND		1.01		ND		0.95	D	1	D	2.80	D	1.50	D
cis-1,2-Dichloroethylene	ND		ND		ND		ND		ND		ND		ND		0.51	U	0.51	U	0.58	U	0.68	U
cis-1,3-Dichloropropylene	ND		ND		ND		ND		ND		ND		ND		0.58	U	0.58	U	0.66	U	0.78	U
Cyclohexane	12.8		1.24		11.3		10.1		ND		ND		10.8		2.80	D	7	D	6.50	D	7.90	D
Dibromochloromethane	ND		ND		ND		ND		ND		ND		ND		1	U	1	U	1.20	U	1.40	U
Dichlorodifluoromethane	2.96		3.06		2.77		2.77		2.52		2.57		2.57		2.20	D	3.10	D	3	D	2.50	D
Ethanol	766		337		787		469		1620		1730		576		NT		NT		NT		NT	
Ethyl acetate	2.41		2.99		5.54		3.2		10.3		15.6		2.38		0.92	U	0.92	U	1	U	1.20	U
Ethyl Benzene	4.26		2.04		4.34		4.56		ND		ND		3.47		26	D	34	D	33	D	26	D
Hexachlorobutadiene	ND		ND		ND		ND		ND		ND		ND		1.40	U	1.40	U	1.50	U	1.80	U
Isopropanol	NT		NT		NT		NT		NT		NT		NT		33	D	19	D	78	D	81	D
Isopropylalcohol	35.1		ND		ND		ND		139		121		ND		NT		NT		NT		NT	
Isopropylbenzene	ND		ND		ND		ND		ND		ND		ND		NT		NT		NT		NT	
Methyl Methacrylate	NT		NT		NT		NT		NT		NT		NT		0.52	U	0.52	U	0.59	U	0.70	U
Methyl tert-butyl ether (MTBE)	ND		ND		ND		ND		ND		ND		ND		0.46	U	0.46	U	0.52	U	0.62	U
Methylene chloride	3.82		1.46		5.35		2.78		1.98		1.98		1.6		1	D	92	D	2.20	D	2.2	D
n-Butylbenzene	ND		ND		ND		ND		ND		ND		ND		NT		NT		NT		NT	
n-Heptane	10.6		1.68		10.1		8.72		2.09		2.05		9.75		8.80	D	15	D	30	D	29	D
n-Hexane	26.1		4.68		21.8		16.7		5.74		6.87		24.4		8.20	D	22	D	49	D	110	D
o-Xylene	6.08		2.26		5.6		5.9		ND		ND		ND		31	D	42	D	29	D	24	D
p- & m- Xylenes	15.1		6.16		14.1		14.7		2.26		2.17		12		100	D	130	D	130	D	100	D
p-Ethyltoluene	NT		NT		NT		NT		NT		NT		NT		49	D	67	D	26	D	24	D
Propylene	ND		ND		ND		ND		ND		ND		ND		0.22	U	0.22	U	0.25	U	0.30	U
sec-Butylbenzene	ND		ND		ND		ND		ND		ND		ND		NT		NT		NT		NT	
Styrene	ND		ND		ND		ND		ND		ND		ND		0.55	U	0.55	U	0.62	U	0.73	U
Tetrachloroethylene	1		0.813		1.22		1.15		1		1.15		1.42		3.60	D	36	D	15	D	13	D
Tetrahydrofuran	3.89		ND		4.66		5.72		ND		ND		1.8		4.70	D	7.90	D	12	D	18	D
Toluene	25.1		24.5		26.5		25.3		12.1		11.6		24.6		63	D	85	D	200	D	160	D
trans-1,2-Dichloroethylene	ND		ND		ND		ND		ND		ND		ND		0.51	U	0.51	U	0.58	U	0.68	U
trans-1,3-Dichloropropylene	ND		ND		ND		ND		ND		ND		ND		0.58	U	0.58	U	0.66	U	0.78	U
Trichloroethylene	0.537		0.537		0.483		0.43		0.752		0.752		0.43		0.17	U	0.62	D	2.50	D	1.50	D
Trichlorofluoromethane (Freon 11)	2.7		3.31		2.41		2.41		1.46		1.46		1.52		3.10	D	67	D	8.70	D	8.30	D
Trichlorotrifluoroethane	ND		ND		ND		ND		ND		ND		ND		NT		NT		NT		NT	
Vinyl acetate	NT		NT		NT		NT		NT		NT		NT		0.45	U	0.45	U	0.51	U	0.60	U
Vinyl Chloride	ND		ND		ND		ND		ND		ND		ND		0.16	U	0.16	U	0.19	U	0.22	U
Tetrachloroethylene	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT	
Trichloroethylene	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT	

NOTES:
Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
U=analyte not detected at or above the level indicated
NT=this indicates the analyte was not a target for this sample

APPENDICES

APPENDIX-A
PREVIOUS REMEDIAL INVESTIGATION AND PHASE-I
REPORTS (CD-ROM)

APPENDIX-B
PHOTOGRAPHS



GPR Survey



Installation and sampling of soil probes and soil vapor probes

APPENDIX-C
GPR SUMMARY REPORT

EE

ms

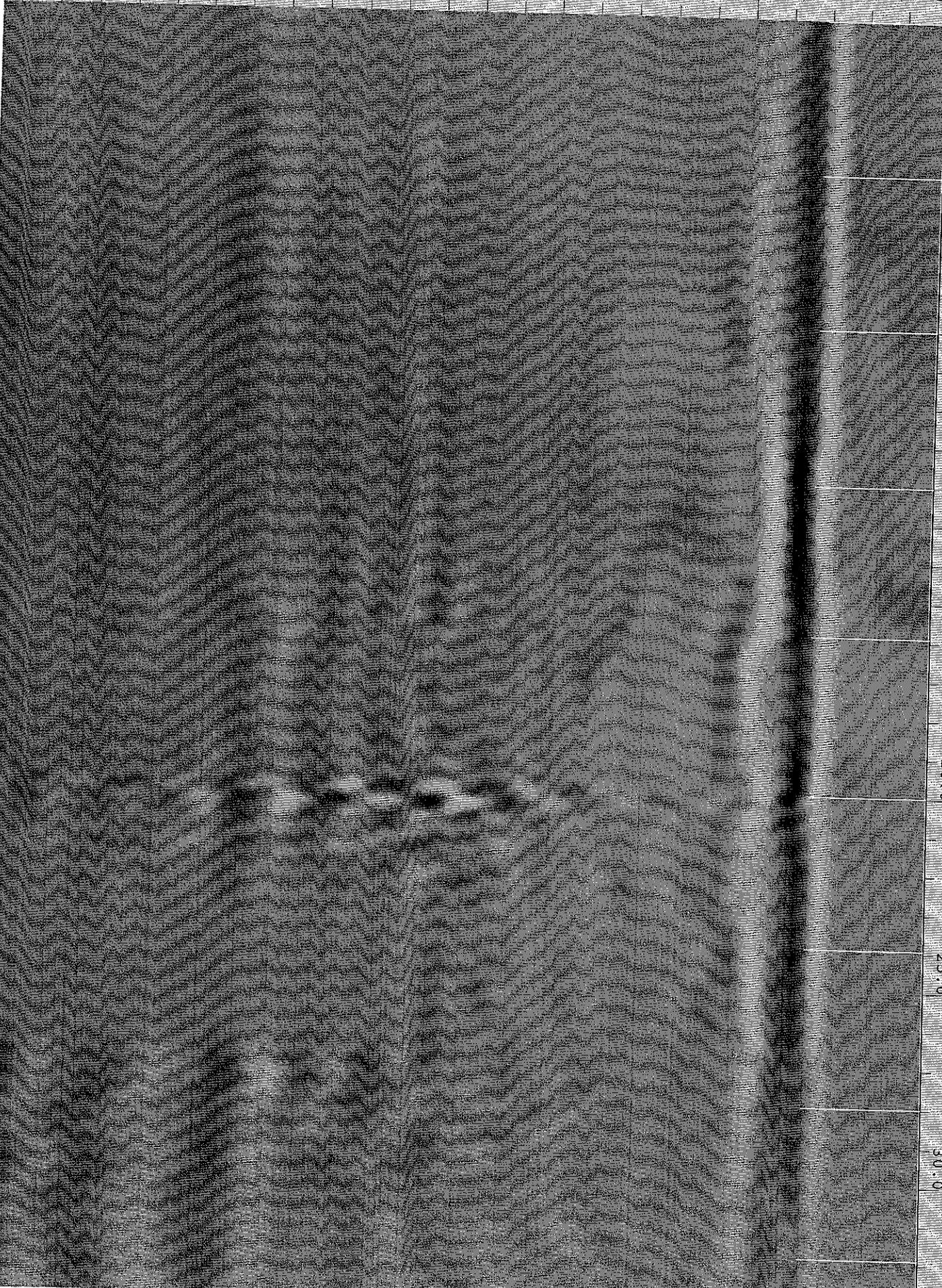
0.0 5.00 10.0 15.0 20.0 25.0 30.0

10.0

20.0

30.0

40.0



FE

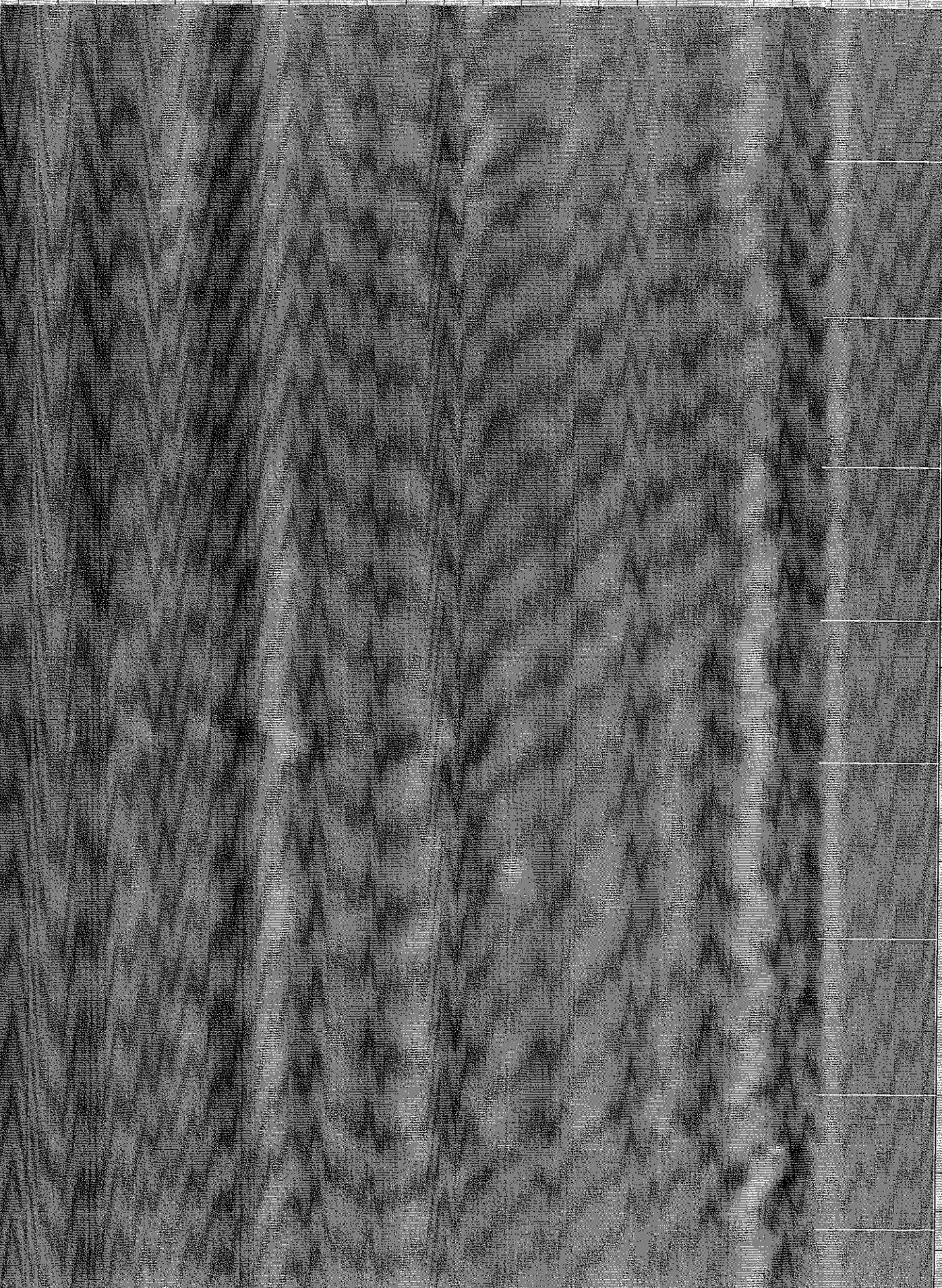
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10.0

20.0

30.0

40.0



FT

ms

0.0

5.00

10.0

15.0

20.0

25.0

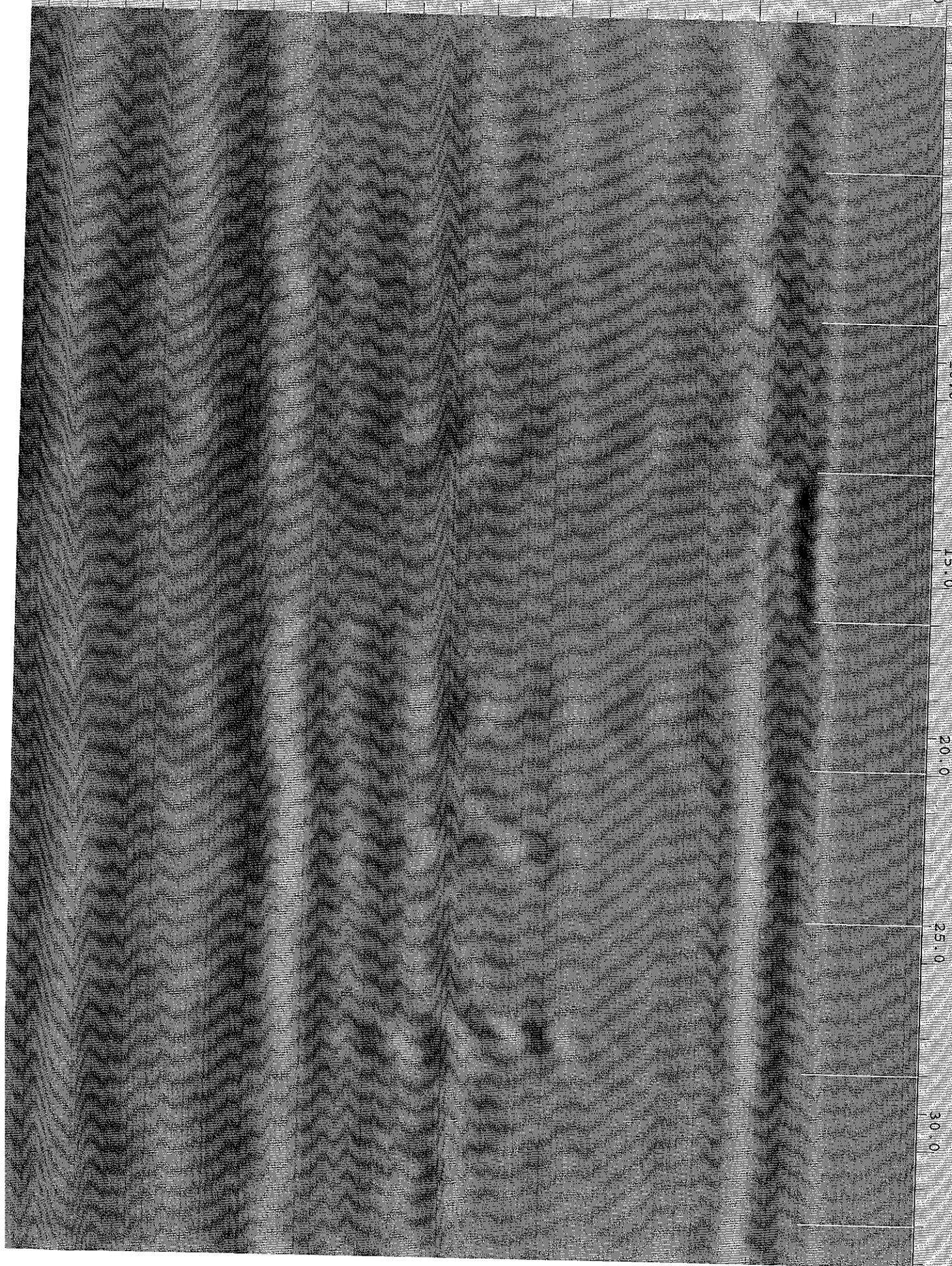
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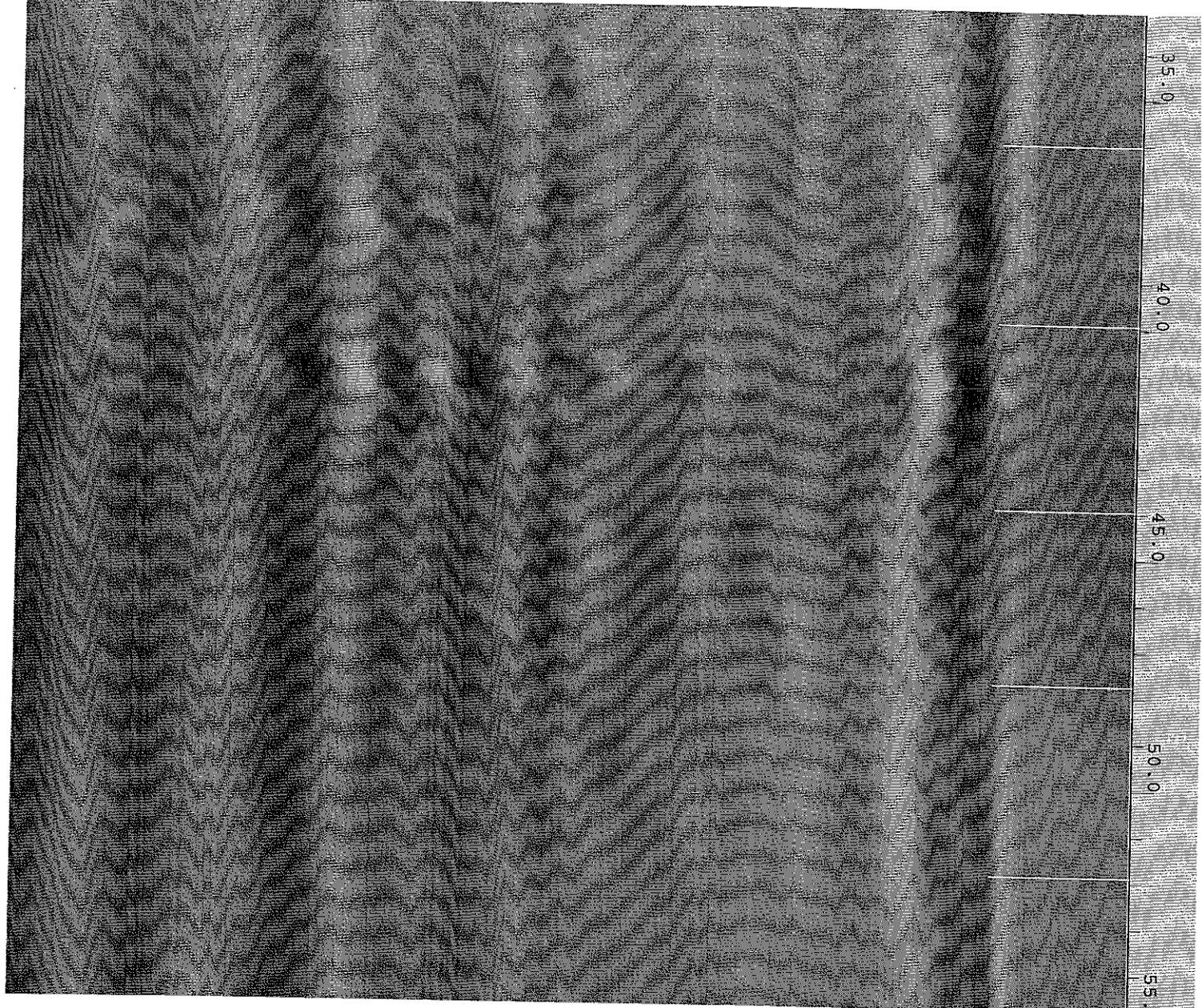
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20.0

30.0

40.0





35.0

40.0

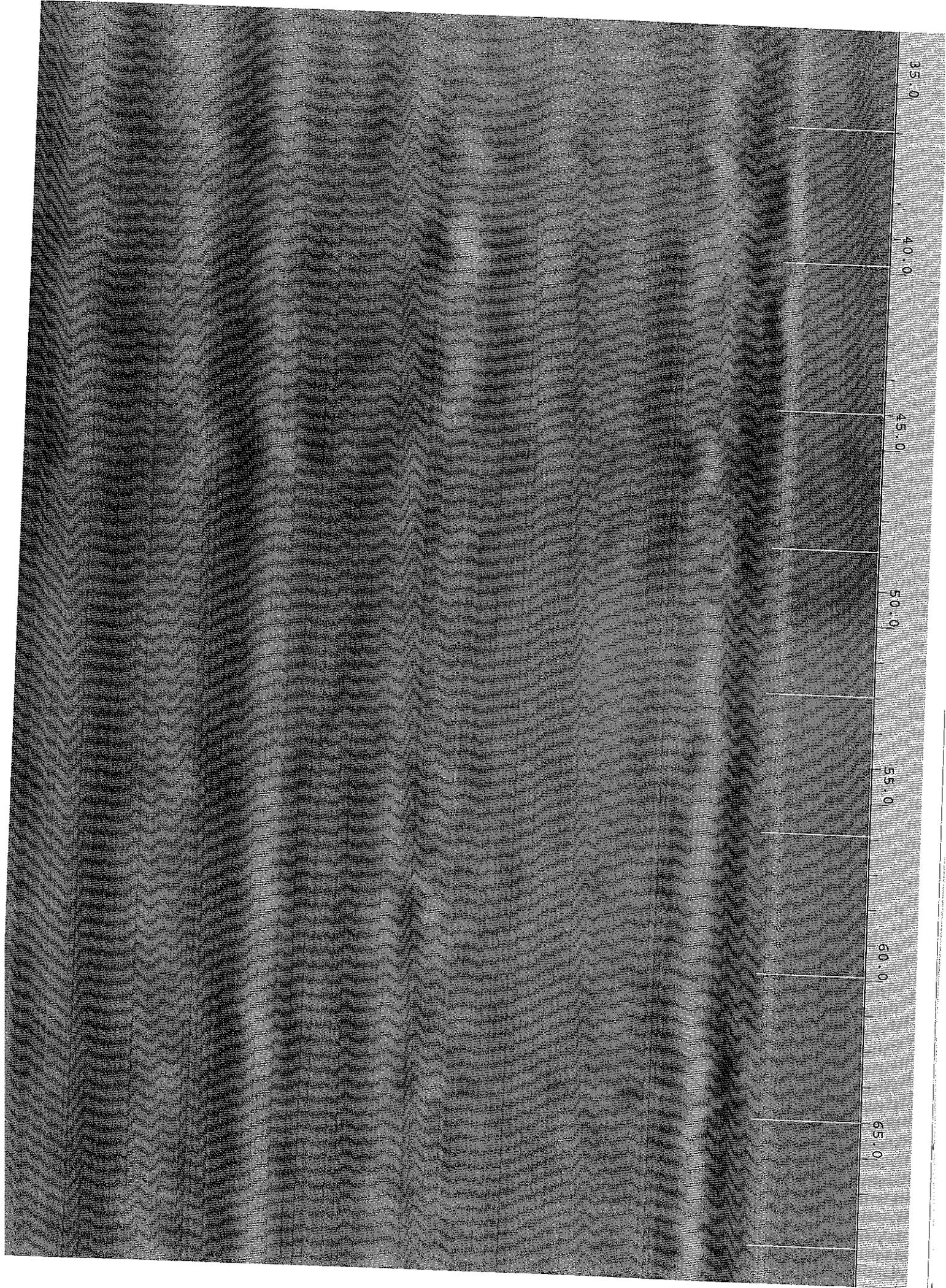
45.0

50.0

55.0

60.0

65.0



EE

ms

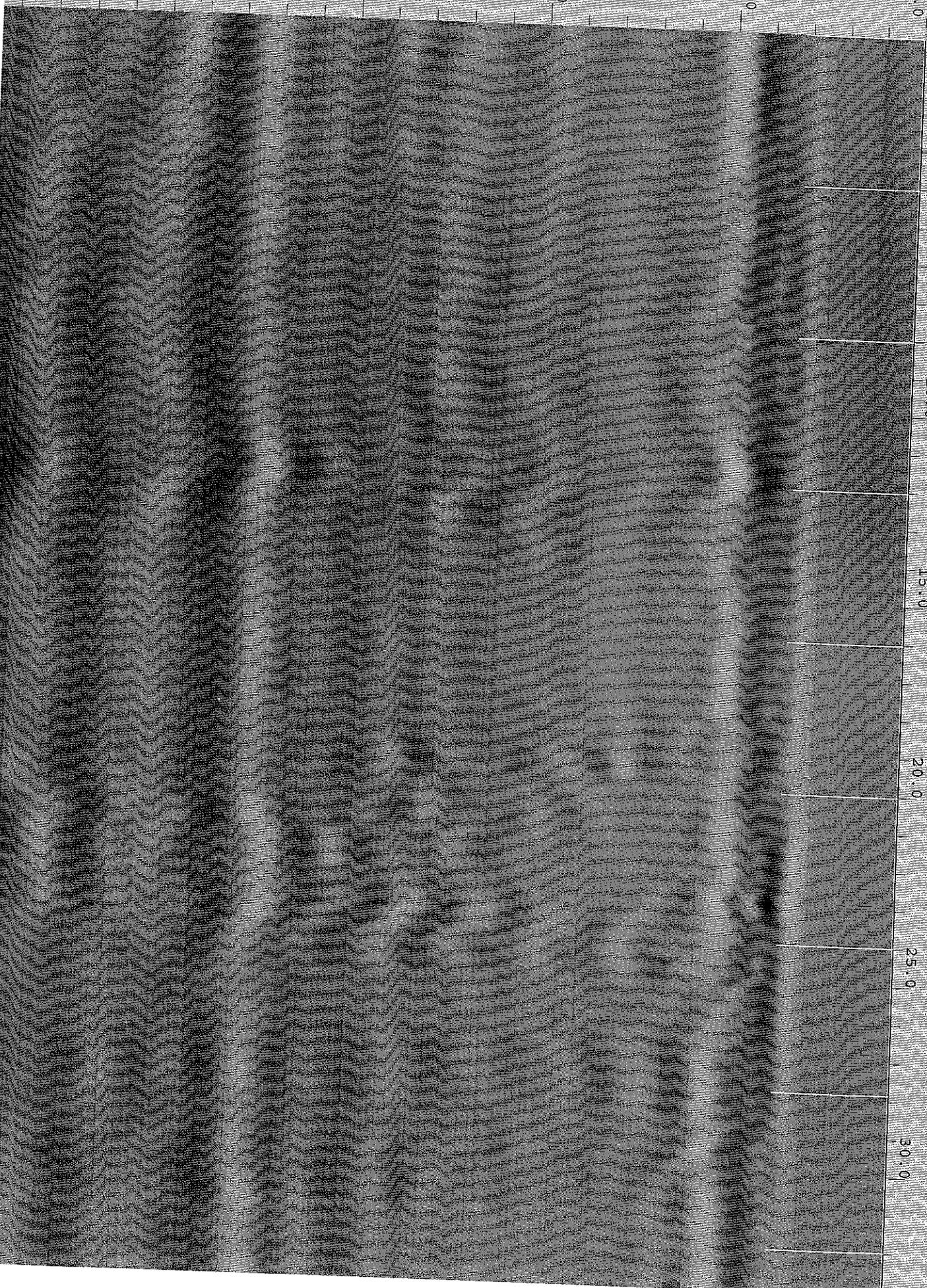
0.0 5.00 10.0 15.0 20.0 25.0 30.0

10.0

20.0

30.0

40.0



APPENDIX-D
SOIL BORING LOGS



Hydro Tech Environmental, Corp.

Main Office

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NYC Office

15 Ocean Ave, 2nd Floor
Brooklyn, New York 11225

T (718) 636-0800 · F (718) 636-0900

Soil Probe Log

Job No: 140127

Date: 5/21/2014

Page: 1 of 1

Location: 531-551 Waverly Avenue
Brooklyn, NY

Sampling Interval: 2 FT Below cellar slab

Sampling Method: Grab

Boring No.: SP-1

Driller: Efrain

Drilling Method: Direct Push

Depth to Water: N/A

Total Depth: 4 FT

USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH - Elastic Silts	

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------	-------------------	------	------------------

0	0.1	SP	Concrete, brown sand with miscellaneous fill material. No odor
-2			



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Soil Probe Log

Job No: 140127

Date: 5/21/2014

Page: 1 of 1

Location: 531-551 Waverly Avenue
Brooklyn, NY

Sampling Interval: 2 FT Below cellar slab

Sampling Method: Grab

Boring No.: SP-2

Driller: Efrain

Drilling Method: Direct Push

Depth to Water: N/A

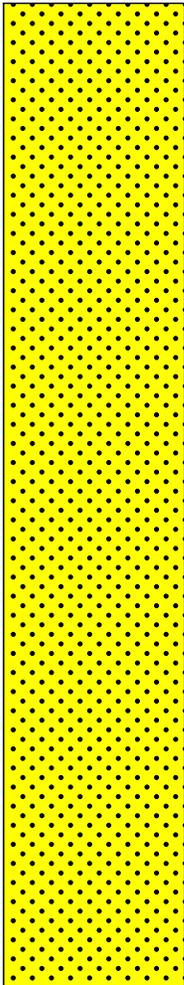
Total Depth: 4 FT

USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH - Elastic Silts	

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------	-------------------	------	------------------

0



0.1

SP

Concrete, brown sand with miscellaneous fill material. No odor

-2



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Soil Probe Log

Job No: 140127

Date: 5/21/2014

Page: 1 of 1

Location: 531-551 Waverly Avenue
Brooklyn, NY

Sampling Interval: 2 FT Below cellar slab

Sampling Method: Grab

Boring No.: SP-3

Driller: Efrain

Drilling Method: Direct Push

Depth to Water: N/A

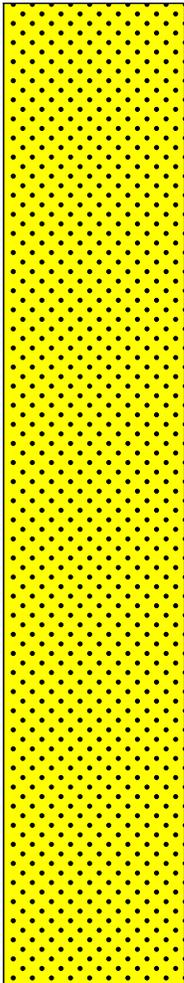
Total Depth: 4 FT

USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH - Elastic Silts	

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------	-------------------	------	------------------

0



0.1

SP

Concrete, brown sand with miscellaneous fill material. No odor

-2



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Soil Probe Log

Job No: 140127

Date: 5/21/2014

Page: 1 of 1

Location: 531-551 Waverly Avenue
Brooklyn, NY

Sampling Interval: 2 FT Below cellar slab

Sampling Method: Grab

Boring No.: SP-4

Driller: Efrain

Drilling Method: Direct Push

Depth to Water: N/A

Total Depth: 4 FT

USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH - Elastic Silts	

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------	-------------------	------	------------------

0	0.1	SP	Concrete, brown sand with miscellaneous fill material. No odor
-2			



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Soil Probe Log

Job No: 140127

Date: 5/21/2014

Page: 1 of 1

Location: 531-551 Waverly Avenue
Brooklyn, NY

Sampling Interval: 2 FT Below cellar slab

Sampling Method: Grab

Boring No.: SP-5

Driller: Efrain

Drilling Method: Direct Push

Depth to Water: N/A

Total Depth: 4 FT

USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH - Elastic Silts	

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------	-------------------	------	------------------

0	0.1	SP	Concrete, brown sand with miscellaneous fill material. No odor
-2			



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Soil Probe Log

Job No: 140127

Date: 5/27/2014

Page: 1 of 1

Location: 531-551 Waverly Avenue
Brooklyn, NY

Sampling Interval: 2 FT Below grade

Sampling Method: Grab

Boring No.: SP-6

Driller: Efrain

Drilling Method: Direct Push

Depth to Water: N/A

Total Depth: 12 Feet

USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH - Elastic Silts	

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------	-------------------	------	------------------

0	0.1	SP	Concrete, brown sand with miscellaneous fill material. No odor
-2	0.1	SP	Brown sand with pebbles and gravel No odor
-4	0.1	SP	Brown sand with pebbles and gravel. No odor
-6	0.1	SP	Light and dark brown sand with pebbles and cobbles. No odor
-8	0.1	SP	Brown sand with pebbles and cobble. No odor
-10	0.1	SP	Brown sand with pebbles and cobble. No odor
-12			



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Soil Probe Log

Job No: 140127

Date: 5/27/2014

Page: 1 of 1

Location: 531-551 Waverly Avenue
Brooklyn, NY

Sampling Interval: 2 Feet Below grade

Sampling Method: Grab

Boring No.: SP-7

Driller: Efrain

Drilling Method: Direct Push

Depth to Water: N/A

Total Depth: 12 Feet

USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH - Elastic Silts	

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------	-------------------	------	------------------

0	0.1	SP	Concrete, brown sand with miscellaneous fill material. No odor
-2	0.1	SP	Brown sand with pebbles and gravel No odor
-4	0.1	SP	Brown sand with pebbles and gravel. No odor
-6	0.1	SP	Light and dark brown sand with pebbles and cobbles. No odor
-8	0.1	SP	Brown sand with pebbles and cobble. No odor
-10	0.1	SP	Brown sand with pebbles and cobble. No odor
-12			



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Soil Probe Log

Job No: 140127

Date: 9/22/2014

Page: 1 of 1

Location: 531-551 Waverly Avenue
Brooklyn, NY

Sampling Interval: 2 Feet

Sampling Method: Grab

Boring No.: SP-8

Driller: Efrain

Drilling Method: Direct Push

Depth to Water: N/A

Total Depth: N/A

USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH - Elastic Silts	

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------	-------------------	------	------------------

0	0.1	SP	Concrete and medium coarse brown sand with rocks, pebbles, and fill material. No odor.
-2	0.1	SP	Medium coarse brown sand with rocks and pebbles. No odor.
-4	0.1	SP	Medium coarse brown sand with rocks and pebbles. No odor.
-6	0.1	SP	Medium coarse brown sand with rocks and pebbles. No odor.
-8	0.1	SP	Medium coarse brown sand with rocks and pebbles. No odor.
-10	0.1	SP	Medium coarse brown sand with rocks and pebbles. No odor.
-12			



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Soil Probe Log

Job No: 140127

Date: 9/22/2014

Page: 1 of 1

Location: 531-551 Waverly Avenue
Brooklyn, NY

Sampling Interval: 2 Feet

Sampling Method: Grab

Boring No.: SP-9

Driller: Efrain

Drilling Method: Direct Push

Depth to Water: N/A

Total Depth: N/A

USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH - Elastic Silts	

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------	-------------------	------	------------------

0	0.1	SP	Concrete and medium coarse brown sand with rocks, pebbles and fill material. No odor.
-2	0.1	SP	Medium coarse brown sand with rocks and pebbles. No odor.
-4	0.1	SP	Medium coarse brown sand with rocks and pebbles. No odor.
-6	0.1	SP	Medium coarse brown sand with rocks and pebbles. No odor.
-8	0.1	SP	Medium coarse brown sand with rocks and pebbles. No odor.
-10	0.1	SP	Medium coarse brown sand with rocks and pebbles. No odor.
-12			

APPENDIX-E
SOIL VAPOR SAMPLING LOG

APPENDIX-F
LABORATORY DATA DELIVERABLES FOR SOIL
ANALYTICAL DATA



Technical Report

prepared for:

Hydro Tech Environmental (Brooklyn)

15 Ocean Avenue

Brooklyn NY, 11225

Attention: Paul Matli

Report Date: 05/29/2014

Client Project ID: 140127/531-551 Waverly Brooklyn, NY

York Project (SDG) No.: 14E0970

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Hydro Tech Environmental (Brooklyn)

15 Ocean Avenue
Brooklyn NY, 11225
Attention: Paul Matli

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on May 22, 2014 and listed below. The project was identified as your project: **140127/531-551 Waverly Brooklyn, NY.**

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
14E0970-01	SP-1 0-2'	Soil	05/21/2014	05/22/2014
14E0970-02	SP-2 0-2'	Soil	05/21/2014	05/22/2014
14E0970-03	SP-3 0-2'	Soil	05/21/2014	05/22/2014
14E0970-04	SP-4 0-2'	Soil	05/21/2014	05/22/2014
14E0970-05	SP-5 0-2'	Soil	05/21/2014	05/22/2014
14E0970-06	Field Blank	Water	05/21/2014	05/22/2014
14E0970-07	Trip Blank	Water	05/21/2014	05/22/2014

General Notes for York Project (SDG) No.: 14E0970

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 05/29/2014





Sample Information

Client Sample ID: SP-1 0-2'

York Sample ID: 14E0970-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E0970

140127/531-551 Waverly Brooklyn, NY

Soil

May 21, 2014 3:00 pm

05/22/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	63	130	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
78-93-3	2-Butanone	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
67-64-1	Acetone	II	J, B	ug/kg dry	3.2	13	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
71-43-2	Benzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
108-86-1	Bromobenzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
75-25-2	Bromoform	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS



Sample Information

Client Sample ID: SP-1 0-2'

York Sample ID: 14E0970-01

<u>York Project (SDG) No.</u> 14E0970	<u>Client Project ID</u> 140127/531-551 Waverly Brooklyn, NY	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 21, 2014 3:00 pm	<u>Date Received</u> 05/22/2014
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Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
75-00-3	Chloroethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
67-66-3	Chloroform	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
74-87-3	Chloromethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
75-09-2	Methylene chloride	4.4	J	ug/kg dry	3.2	13	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
91-20-3	Naphthalene	ND		ug/kg dry	3.2	13	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
95-47-6	o-Xylene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	6.3	13	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
100-42-5	Styrene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
108-88-3	Toluene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	9.5	19	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	05/28/2014 16:42	05/29/2014 00:56	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	67-130
460-00-4	Surrogate: p-Bromofluorobenzene	97.7 %	75-127
2037-26-5	Surrogate: Toluene-d8	98.9 %	90-112



Sample Information

Client Sample ID: SP-1 0-2'

York Sample ID: 14E0970-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E0970

140127/531-551 Waverly Brooklyn, NY

Soil

May 21, 2014 3:00 pm

05/22/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
62-53-3	Aniline	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
120-12-7	Anthracene	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	130	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	130	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	130	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	130	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
218-01-9	Chrysene	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	259	517	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	130	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	130	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	259	517	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	130	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR



Sample Information

Client Sample ID: SP-1 0-2'

York Sample ID: 14E0970-01

<u>York Project (SDG) No.</u> 14E0970	<u>Client Project ID</u> 140127/531-551 Waverly Brooklyn, NY	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 21, 2014 3:00 pm	<u>Date Received</u> 05/22/2014
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Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
206-44-0	Fluoranthene	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
86-73-7	Fluorene	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	130	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
78-59-1	Isophorone	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	130	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	130	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
91-20-3	Naphthalene	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	130	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	130	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	130	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	130	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	130	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
85-01-8	Phenanthrene	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
108-95-2	Phenol	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
129-00-0	Pyrene	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
110-86-1	Pyridine	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	65.2	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:02	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: 2-Fluorophenol	11.8 %	10-105
4165-62-2	Surrogate: Phenol-d5	25.9 %	10-118
4165-60-0	Surrogate: Nitrobenzene-d5	23.6 %	10-140



Sample Information

Client Sample ID: SP-1 0-2'

York Sample ID: 14E0970-01

<u>York Project (SDG) No.</u> 14E0970	<u>Client Project ID</u> 140127/531-551 Waverly Brooklyn, NY	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 21, 2014 3:00 pm	<u>Date Received</u> 05/22/2014
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Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	Surrogate: 2-Fluorobiphenyl	44.9 %			10-126						
5175-83-7	Surrogate: 2,4,6-Tribromophenol	4.13 %	S-AC		10-150						
1718-51-0	Surrogate: Terphenyl-d14	59.0 %			10-137						

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	86.4	86.4	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:25	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.53	8.53	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:25	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.71	1.71	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:25	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.71	1.71	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:25	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.71	1.71	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:25	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.71	1.71	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:25	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.71	1.71	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:25	JW
72-20-8	Endrin	ND		ug/kg dry	1.71	1.71	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:25	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.71	1.71	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:25	JW
33213-65-9	* Endosulfan II	ND		ug/kg dry	1.71	1.71	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:25	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.71	1.71	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:25	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.71	1.71	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:25	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.71	1.71	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:25	JW
57-74-9	Chlordane, total	ND		ug/kg dry	6.83	6.83	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:25	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.71	1.71	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:25	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.71	1.71	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:25	JW
309-00-2	Aldrin	ND		ug/kg dry	1.71	1.71	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:25	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.71	1.71	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:25	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.71	1.71	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:25	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.71	1.71	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:25	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	17.6	17.6	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:02	JW
11097-69-1	Aroclor 1254	61.9		ug/kg dry	17.6	17.6	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:02	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	17.6	17.6	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:02	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	17.6	17.6	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:02	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	17.6	17.6	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:02	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	17.6	17.6	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:02	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	17.6	17.6	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:02	JW
1336-36-3	* Total PCBs	61.9		ug/kg dry	7.03	17.6	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:02	JW

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: SP-1 0-2'

York Sample ID: 14E0970-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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14E0970

140127/531-551 Waverly Brooklyn, NY

Soil

May 21, 2014 3:00 pm

05/22/2014

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
877-09-8	Surrogate: Tetrachloro-m-xylene	92.4 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	55.8 %			30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8030		mg/kg dry	1.03	1.03	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:42	MW
7440-36-0	Antimony	ND		mg/kg dry	0.517	0.517	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:42	MW
7440-38-2	Arsenic	2.01		mg/kg dry	1.03	1.03	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:42	MW
7440-39-3	Barium	60.7		mg/kg dry	1.03	1.03	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:42	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.103	0.103	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:42	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.310	0.310	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:42	MW
7440-70-2	Calcium	9320		mg/kg dry	0.517	5.17	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:42	MW
7440-47-3	Chromium	21.4		mg/kg dry	0.517	0.517	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:42	MW
7440-48-4	Cobalt	6.52		mg/kg dry	0.517	0.517	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:42	MW
7440-50-8	Copper	19.3		mg/kg dry	0.517	0.517	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:42	MW
7439-89-6	Iron	13200		mg/kg dry	2.07	2.07	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:42	MW
7439-92-1	Lead	9.92		mg/kg dry	0.310	0.310	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:42	MW
7439-95-4	Magnesium	2840		mg/kg dry	5.17	5.17	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:42	MW
7439-96-5	Manganese	276		mg/kg dry	0.517	0.517	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:42	MW
7440-02-0	Nickel	31.0		mg/kg dry	0.517	0.517	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:42	MW
7440-09-7	Potassium	1090		mg/kg dry	5.17	5.17	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:42	MW
7782-49-2	Selenium	ND		mg/kg dry	1.03	1.03	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:42	MW
7440-22-4	Silver	ND		mg/kg dry	0.517	0.517	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:42	MW
7440-23-5	Sodium	526		mg/kg dry	10.3	10.3	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:42	MW
7440-28-0	Thallium	ND		mg/kg dry	1.03	1.03	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:42	MW
7440-62-2	Vanadium	20.5		mg/kg dry	1.03	1.03	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:42	MW
7440-66-6	Zinc	44.9		mg/kg dry	1.03	1.03	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:42	MW



Sample Information

Client Sample ID: SP-1 0-2'

York Sample ID: 14E0970-01

York Project (SDG) No.

Client Project ID

Matrix

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14E0970

140127/531-551 Waverly Brooklyn, NY

Soil

May 21, 2014 3:00 pm

05/22/2014

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0341	0.0341	1	EPA 7471B	05/29/2014 09:35	05/29/2014 16:42	AA

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	96.7		%	0.100	0.100	1	SM 2540G	05/29/2014 09:45	05/29/2014 14:37	KK

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.362	0.517	1	EPA 7196A	05/29/2014 08:57	05/29/2014 15:06	SC

Sample Information

Client Sample ID: SP-2 0-2'

York Sample ID: 14E0970-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E0970

140127/531-551 Waverly Brooklyn, NY

Soil

May 21, 2014 3:00 pm

05/22/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS



Sample Information

Client Sample ID: SP-2 0-2'

York Sample ID: 14E0970-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E0970

140127/531-551 Waverly Brooklyn, NY

Soil

May 21, 2014 3:00 pm

05/22/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	52	100	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
78-93-3	2-Butanone	4.4	J	ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
67-64-1	Acetone	18	B	ug/kg dry	2.6	10	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
71-43-2	Benzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
108-86-1	Bromobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
75-25-2	Bromoform	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
67-66-3	Chloroform	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS



Sample Information

Client Sample ID: SP-2 0-2'

York Sample ID: 14E0970-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E0970

140127/531-551 Waverly Brooklyn, NY

Soil

May 21, 2014 3:00 pm

05/22/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
75-09-2	Methylene chloride	4.2	J	ug/kg dry	2.6	10	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.6	10	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.2	10	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
100-42-5	Styrene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
108-88-3	Toluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.8	16	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:25	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	91.4 %	67-130								
460-00-4	Surrogate: p-Bromofluorobenzene	111 %	75-127								
2037-26-5	Surrogate: Toluene-d8	99.7 %	90-112								

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
62-53-3	Aniline	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
120-12-7	Anthracene	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR



Sample Information

Client Sample ID: SP-2 0-2'

York Sample ID: 14E0970-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E0970

140127/531-551 Waverly Brooklyn, NY

Soil

May 21, 2014 3:00 pm

05/22/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	130	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	130	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	130	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	130	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
218-01-9	Chrysene	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	259	516	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	130	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	130	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	259	517	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	130	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
206-44-0	Fluoranthene	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
86-73-7	Fluorene	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	130	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR



Sample Information

Client Sample ID: SP-2 0-2'

York Sample ID: 14E0970-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E0970

140127/531-551 Waverly Brooklyn, NY

Soil

May 21, 2014 3:00 pm

05/22/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
78-59-1	Isophorone	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	130	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	130	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
91-20-3	Naphthalene	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	130	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	130	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	130	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	130	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	130	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
85-01-8	Phenanthrene	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
108-95-2	Phenol	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
129-00-0	Pyrene	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
110-86-1	Pyridine	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	65.1	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 02:38	SR
	Surrogate Recoveries	Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	18.4 %			10-105						
4165-62-2	Surrogate: Phenol-d5	32.9 %			10-118						
4165-60-0	Surrogate: Nitrobenzene-d5	19.3 %			10-140						
321-60-8	Surrogate: 2-Fluorobiphenyl	37.9 %			10-126						
5175-83-7	Surrogate: 2,4,6-Tribromophenol	23.3 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	57.5 %			10-137						



Sample Information

Client Sample ID: SP-2 0-2'

York Sample ID: 14E0970-02

<u>York Project (SDG) No.</u> 14E0970	<u>Client Project ID</u> 140127/531-551 Waverly Brooklyn, NY	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 21, 2014 3:00 pm	<u>Date Received</u> 05/22/2014
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Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	86.3	86.3	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:41	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.52	8.52	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:41	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:41	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:41	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:41	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:41	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:41	JW
72-20-8	Endrin	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:41	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:41	JW
33213-65-9	* Endosulfan II	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:41	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:41	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:41	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:41	JW
57-74-9	Chlordane, total	ND		ug/kg dry	6.82	6.82	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:41	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:41	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:41	JW
309-00-2	Aldrin	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:41	JW
50-29-3	4,4'-DDT	36.1		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:41	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:41	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:41	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	17.6	17.6	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:31	JW
11097-69-1	Aroclor 1254	208		ug/kg dry	17.6	17.6	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:31	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	17.6	17.6	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:31	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	17.6	17.6	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:31	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	17.6	17.6	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:31	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	17.6	17.6	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:31	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	17.6	17.6	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:31	JW
1336-36-3	* Total PCBs	208		ug/kg dry	7.03	17.6	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:31	JW
	Surrogate Recoveries	Result		Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	98.5 %		30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	57.2 %		30-140							



Sample Information

Client Sample ID: SP-2 0-2'

York Sample ID: 14E0970-02

<u>York Project (SDG) No.</u> 14E0970	<u>Client Project ID</u> 140127/531-551 Waverly Brooklyn, NY	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 21, 2014 3:00 pm	<u>Date Received</u> 05/22/2014
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Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	10500		mg/kg dry	1.03	1.03	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:47	MW
7440-36-0	Antimony	ND		mg/kg dry	0.517	0.517	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:47	MW
7440-38-2	Arsenic	3.20		mg/kg dry	1.03	1.03	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:47	MW
7440-39-3	Barium	50.6		mg/kg dry	1.03	1.03	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:47	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.103	0.103	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:47	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.310	0.310	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:47	MW
7440-70-2	Calcium	6100		mg/kg dry	0.517	5.17	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:47	MW
7440-47-3	Chromium	25.4		mg/kg dry	0.517	0.517	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:47	MW
7440-48-4	Cobalt	10.5		mg/kg dry	0.517	0.517	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:47	MW
7440-50-8	Copper	25.7		mg/kg dry	0.517	0.517	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:47	MW
7439-89-6	Iron	18300		mg/kg dry	2.07	2.07	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:47	MW
7439-92-1	Lead	11.8		mg/kg dry	0.310	0.310	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:47	MW
7439-95-4	Magnesium	4990		mg/kg dry	5.17	5.17	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:47	MW
7439-96-5	Manganese	406		mg/kg dry	0.517	0.517	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:47	MW
7440-02-0	Nickel	54.6		mg/kg dry	0.517	0.517	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:47	MW
7440-09-7	Potassium	1410		mg/kg dry	5.17	5.17	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:47	MW
7782-49-2	Selenium	1.31		mg/kg dry	1.03	1.03	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:47	MW
7440-22-4	Silver	ND		mg/kg dry	0.517	0.517	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:47	MW
7440-23-5	Sodium	181		mg/kg dry	10.3	10.3	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:47	MW
7440-28-0	Thallium	ND		mg/kg dry	1.03	1.03	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:47	MW
7440-62-2	Vanadium	26.0		mg/kg dry	1.03	1.03	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:47	MW
7440-66-6	Zinc	52.6		mg/kg dry	1.03	1.03	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:47	MW

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0341	0.0341	1	EPA 7471B	05/29/2014 09:35	05/29/2014 16:42	AA



Sample Information

Client Sample ID: SP-2 0-2'

York Sample ID: 14E0970-02

York Project (SDG) No. 14E0970 **Client Project ID** 140127/531-551 Waverly Brooklyn, NY **Matrix** Soil **Collection Date/Time** May 21, 2014 3:00 pm **Date Received** 05/22/2014

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	96.8		%	0.100	0.100	1	SM 2540G	05/29/2014 09:45	05/29/2014 14:37	KK

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.362	0.517	1	EPA 7196A	05/29/2014 08:57	05/29/2014 15:06	SC

Sample Information

Client Sample ID: SP-3 0-2'

York Sample ID: 14E0970-03

York Project (SDG) No. 14E0970 **Client Project ID** 140127/531-551 Waverly Brooklyn, NY **Matrix** Soil **Collection Date/Time** May 21, 2014 3:00 pm **Date Received** 05/22/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS



Sample Information

Client Sample ID: SP-3 0-2'

York Sample ID: 14E0970-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E0970

140127/531-551 Waverly Brooklyn, NY

Soil

May 21, 2014 3:00 pm

05/22/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	56	110	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
67-64-1	Acetone	20	B	ug/kg dry	2.8	11	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
71-43-2	Benzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
108-86-1	Bromobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
75-25-2	Bromoform	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
67-66-3	Chloroform	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
75-09-2	Methylene chloride	3.9	J	ug/kg dry	2.8	11	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.8	11	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS



Sample Information

Client Sample ID: SP-3 0-2'

York Sample ID: 14E0970-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E0970

140127/531-551 Waverly Brooklyn, NY

Soil

May 21, 2014 3:00 pm

05/22/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.6	11	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
100-42-5	Styrene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
108-88-3	Toluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.4	17	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/28/2014 16:42	05/29/2014 01:54	SS
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	94.4 %			67-130						
460-00-4	Surrogate: p-Bromofluorobenzene	101 %			75-127						
2037-26-5	Surrogate: Toluene-d8	100 %			90-112						

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
62-53-3	Aniline	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
120-12-7	Anthracene	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	130	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	130	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	130	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR



Sample Information

Client Sample ID: SP-3 0-2'

York Sample ID: 14E0970-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E0970

140127/531-551 Waverly Brooklyn, NY

Soil

May 21, 2014 3:00 pm

05/22/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-47-8	4-Chloroaniline	ND		ug/kg dry	130	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
218-01-9	Chrysene	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	258	514	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	130	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	130	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	258	514	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	130	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
206-44-0	Fluoranthene	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
86-73-7	Fluorene	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	130	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
78-59-1	Isophorone	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	130	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	130	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR



Sample Information

Client Sample ID: SP-3 0-2'

York Sample ID: 14E0970-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E0970

140127/531-551 Waverly Brooklyn, NY

Soil

May 21, 2014 3:00 pm

05/22/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	130	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	130	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	130	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	130	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	130	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
85-01-8	Phenanthrene	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
108-95-2	Phenol	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
129-00-0	Pyrene	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
110-86-1	Pyridine	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	64.8	257	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:14	SR
	Surrogate Recoveries	Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	12.9 %			10-105						
4165-62-2	Surrogate: Phenol-d5	24.1 %			10-118						
4165-60-0	Surrogate: Nitrobenzene-d5	20.7 %			10-140						
321-60-8	Surrogate: 2-Fluorobiphenyl	37.0 %			10-126						
5175-83-7	Surrogate: 2,4,6-Tribromophenol	15.3 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	59.6 %			10-137						



Sample Information

Client Sample ID: SP-3 0-2'

York Sample ID: 14E0970-03

<u>York Project (SDG) No.</u> 14E0970	<u>Client Project ID</u> 140127/531-551 Waverly Brooklyn, NY	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 21, 2014 3:00 pm	<u>Date Received</u> 05/22/2014
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Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	85.9	85.9	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:56	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.49	8.49	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:56	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:56	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:56	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:56	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:56	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:56	JW
72-20-8	Endrin	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:56	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:56	JW
33213-65-9	* Endosulfan II	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:56	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:56	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:56	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:56	JW
57-74-9	Chlordane, total	ND		ug/kg dry	6.79	6.79	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:56	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:56	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:56	JW
309-00-2	Aldrin	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:56	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:56	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:56	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 17:56	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	17.5	17.5	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:00	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	17.5	17.5	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:00	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	17.5	17.5	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:00	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	17.5	17.5	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:00	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	17.5	17.5	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:00	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	17.5	17.5	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:00	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	17.5	17.5	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:00	JW
1336-36-3	* Total PCBs	ND		ug/kg dry	6.99	17.5	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:00	JW
	Surrogate Recoveries	Result		Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	98.0 %		30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	56.2 %		30-140							



Sample Information

Client Sample ID: SP-3 0-2'

York Sample ID: 14E0970-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E0970

140127/531-551 Waverly Brooklyn, NY

Soil

May 21, 2014 3:00 pm

05/22/2014

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7380		mg/kg dry	1.03	1.03	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:51	MW
7440-36-0	Antimony	ND		mg/kg dry	0.514	0.514	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:51	MW
7440-38-2	Arsenic	1.84		mg/kg dry	1.03	1.03	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:51	MW
7440-39-3	Barium	50.6		mg/kg dry	1.03	1.03	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:51	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.103	0.103	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:51	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.309	0.309	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:51	MW
7440-70-2	Calcium	2280		mg/kg dry	0.514	5.14	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:51	MW
7440-47-3	Chromium	13.7		mg/kg dry	0.514	0.514	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:51	MW
7440-48-4	Cobalt	5.79		mg/kg dry	0.514	0.514	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:51	MW
7440-50-8	Copper	15.0		mg/kg dry	0.514	0.514	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:51	MW
7439-89-6	Iron	11700		mg/kg dry	2.06	2.06	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:51	MW
7439-92-1	Lead	24.7		mg/kg dry	0.309	0.309	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:51	MW
7439-95-4	Magnesium	2170		mg/kg dry	5.14	5.14	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:51	MW
7439-96-5	Manganese	282		mg/kg dry	0.514	0.514	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:51	MW
7440-02-0	Nickel	28.7		mg/kg dry	0.514	0.514	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:51	MW
7440-09-7	Potassium	963		mg/kg dry	5.14	5.14	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:51	MW
7782-49-2	Selenium	ND		mg/kg dry	1.03	1.03	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:51	MW
7440-22-4	Silver	ND		mg/kg dry	0.514	0.514	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:51	MW
7440-23-5	Sodium	28.3		mg/kg dry	10.3	10.3	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:51	MW
7440-28-0	Thallium	ND		mg/kg dry	1.03	1.03	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:51	MW
7440-62-2	Vanadium	24.1		mg/kg dry	1.03	1.03	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:51	MW
7440-66-6	Zinc	33.3		mg/kg dry	1.03	1.03	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:51	MW

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0339	0.0339	1	EPA 7471B	05/29/2014 09:35	05/29/2014 16:42	AA



Sample Information

Client Sample ID: SP-3 0-2'

York Sample ID: 14E0970-03

<u>York Project (SDG) No.</u> 14E0970	<u>Client Project ID</u> 140127/531-551 Waverly Brooklyn, NY	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 21, 2014 3:00 pm	<u>Date Received</u> 05/22/2014
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Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	97.2		%	0.100	0.100	1	SM 2540G	05/29/2014 09:45	05/29/2014 14:37	KK

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.360	0.514	1	EPA 7196A	05/29/2014 08:57	05/29/2014 15:06	SC

Sample Information

Client Sample ID: SP-4 0-2'

York Sample ID: 14E0970-04

<u>York Project (SDG) No.</u> 14E0970	<u>Client Project ID</u> 140127/531-551 Waverly Brooklyn, NY	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 21, 2014 3:00 pm	<u>Date Received</u> 05/22/2014
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Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS



Sample Information

Client Sample ID: SP-4 0-2'

York Sample ID: 14E0970-04

<u>York Project (SDG) No.</u> 14E0970	<u>Client Project ID</u> 140127/531-551 Waverly Brooklyn, NY	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 21, 2014 3:00 pm	<u>Date Received</u> 05/22/2014
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Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	52	100	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
67-64-1	Acetone	4.7	J, B	ug/kg dry	2.6	10	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
71-43-2	Benzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
108-86-1	Bromobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
75-25-2	Bromoform	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
67-66-3	Chloroform	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
75-09-2	Methylene chloride	3.6	J	ug/kg dry	2.6	10	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.6	10	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS



Sample Information

Client Sample ID: SP-4 0-2'

York Sample ID: 14E0970-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E0970

140127/531-551 Waverly Brooklyn, NY

Soil

May 21, 2014 3:00 pm

05/22/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.2	10	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
100-42-5	Styrene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
108-88-3	Toluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.8	16	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:23	SS
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	98.7 %			67-130						
460-00-4	Surrogate: p-Bromofluorobenzene	95.6 %			75-127						
2037-26-5	Surrogate: Toluene-d8	99.1 %			90-112						

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3454A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
62-53-3	Aniline	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
120-12-7	Anthracene	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	130	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	130	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	130	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR



Sample Information

Client Sample ID: SP-4 0-2'

York Sample ID: 14E0970-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E0970

140127/531-551 Waverly Brooklyn, NY

Soil

May 21, 2014 3:00 pm

05/22/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-47-8	4-Chloroaniline	ND		ug/kg dry	130	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
218-01-9	Chrysene	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	258	515	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	130	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	130	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	258	515	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	130	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
206-44-0	Fluoranthene	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
86-73-7	Fluorene	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	130	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
78-59-1	Isophorone	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	130	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	130	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR



Sample Information

Client Sample ID: SP-4 0-2'

York Sample ID: 14E0970-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E0970

140127/531-551 Waverly Brooklyn, NY

Soil

May 21, 2014 3:00 pm

05/22/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	130	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	130	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	130	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	130	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	130	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
85-01-8	Phenanthrene	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
108-95-2	Phenol	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
129-00-0	Pyrene	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
110-86-1	Pyridine	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	64.9	258	1	EPA 8270D	05/27/2014 18:00	05/29/2014 03:50	SR
	Surrogate Recoveries	Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	25.6 %			10-105						
4165-62-2	Surrogate: Phenol-d5	29.7 %			10-118						
4165-60-0	Surrogate: Nitrobenzene-d5	29.6 %			10-140						
321-60-8	Surrogate: 2-Fluorobiphenyl	39.7 %			10-126						
5175-83-7	Surrogate: 2,4,6-Tribromophenol	39.0 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	56.0 %			10-137						



Sample Information

Client Sample ID: SP-4 0-2'

York Sample ID: 14E0970-04

<u>York Project (SDG) No.</u> 14E0970	<u>Client Project ID</u> 140127/531-551 Waverly Brooklyn, NY	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 21, 2014 3:00 pm	<u>Date Received</u> 05/22/2014
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Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	86.1	86.1	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:12	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.51	8.51	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:12	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:12	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:12	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:12	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:12	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:12	JW
72-20-8	Endrin	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:12	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:12	JW
33213-65-9	* Endosulfan II	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:12	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:12	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:12	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:12	JW
57-74-9	Chlordane, total	ND		ug/kg dry	6.80	6.80	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:12	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:12	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:12	JW
309-00-2	Aldrin	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:12	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:12	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:12	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:12	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	17.5	17.5	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:29	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	17.5	17.5	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:29	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	17.5	17.5	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:29	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	17.5	17.5	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:29	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	17.5	17.5	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:29	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	17.5	17.5	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:29	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	17.5	17.5	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:29	JW
1336-36-3	* Total PCBs	ND		ug/kg dry	7.01	17.5	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:29	JW
	Surrogate Recoveries	Result		Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	100 %		30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	70.2 %		30-140							



Sample Information

Client Sample ID: SP-4 0-2'

York Sample ID: 14E0970-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E0970

140127/531-551 Waverly Brooklyn, NY

Soil

May 21, 2014 3:00 pm

05/22/2014

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8240		mg/kg dry	1.03	1.03	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:56	MW
7440-36-0	Antimony	ND		mg/kg dry	0.515	0.515	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:56	MW
7440-38-2	Arsenic	1.66		mg/kg dry	1.03	1.03	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:56	MW
7440-39-3	Barium	43.8		mg/kg dry	1.03	1.03	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:56	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.103	0.103	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:56	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.309	0.309	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:56	MW
7440-70-2	Calcium	481		mg/kg dry	0.515	5.15	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:56	MW
7440-47-3	Chromium	32.5		mg/kg dry	0.515	0.515	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:56	MW
7440-48-4	Cobalt	12.1		mg/kg dry	0.515	0.515	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:56	MW
7440-50-8	Copper	19.8		mg/kg dry	0.515	0.515	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:56	MW
7439-89-6	Iron	16700		mg/kg dry	2.06	2.06	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:56	MW
7439-92-1	Lead	6.71		mg/kg dry	0.309	0.309	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:56	MW
7439-95-4	Magnesium	2970		mg/kg dry	5.15	5.15	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:56	MW
7439-96-5	Manganese	374		mg/kg dry	0.515	0.515	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:56	MW
7440-02-0	Nickel	59.4		mg/kg dry	0.515	0.515	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:56	MW
7440-09-7	Potassium	1320		mg/kg dry	5.15	5.15	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:56	MW
7782-49-2	Selenium	ND		mg/kg dry	1.03	1.03	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:56	MW
7440-22-4	Silver	ND		mg/kg dry	0.515	0.515	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:56	MW
7440-23-5	Sodium	366		mg/kg dry	10.3	10.3	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:56	MW
7440-28-0	Thallium	ND		mg/kg dry	1.03	1.03	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:56	MW
7440-62-2	Vanadium	26.9		mg/kg dry	1.03	1.03	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:56	MW
7440-66-6	Zinc	34.7		mg/kg dry	1.03	1.03	1	EPA 6010C	05/27/2014 15:14	05/27/2014 21:56	MW

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0340	0.0340	1	EPA 7471B	05/29/2014 09:35	05/29/2014 16:42	AA



Sample Information

Client Sample ID: SP-4 0-2'

York Sample ID: 14E0970-04

York Project (SDG) No.

Client Project ID

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14E0970

140127/531-551 Waverly Brooklyn, NY

Soil

May 21, 2014 3:00 pm

05/22/2014

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	97.0		%	0.100	0.100	1	SM 2540G	05/29/2014 09:45	05/29/2014 14:37	KK

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.361	0.515	1	EPA 7196A	05/29/2014 08:57	05/29/2014 15:06	SC

Sample Information

Client Sample ID: SP-5 0-2'

York Sample ID: 14E0970-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E0970

140127/531-551 Waverly Brooklyn, NY

Soil

May 21, 2014 3:00 pm

05/22/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS



Sample Information

Client Sample ID: SP-5 0-2'

York Sample ID: 14E0970-05

<u>York Project (SDG) No.</u> 14E0970	<u>Client Project ID</u> 140127/531-551 Waverly Brooklyn, NY	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 21, 2014 3:00 pm	<u>Date Received</u> 05/22/2014
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Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	50	100	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
67-64-1	Acetone	3.5	J, B	ug/kg dry	2.5	10	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
71-43-2	Benzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
108-86-1	Bromobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
75-25-2	Bromoform	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
67-66-3	Chloroform	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
75-09-2	Methylene chloride	6.7	J	ug/kg dry	2.5	10	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.5	10	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS



Sample Information

Client Sample ID: SP-5 0-2'

York Sample ID: 14E0970-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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14E0970

140127/531-551 Waverly Brooklyn, NY

Soil

May 21, 2014 3:00 pm

05/22/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.0	10	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
100-42-5	Styrene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
108-88-3	Toluene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.5	15	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	05/28/2014 16:42	05/29/2014 02:52	SS
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	93.9 %			67-130						
460-00-4	Surrogate: p-Bromofluorobenzene	99.5 %			75-127						
2037-26-5	Surrogate: Toluene-d8	103 %			90-112						

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
62-53-3	Aniline	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
120-12-7	Anthracene	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	131	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	131	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	131	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR



Sample Information

Client Sample ID: SP-5 0-2'

York Sample ID: 14E0970-05

York Project (SDG) No.

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Collection Date/Time

Date Received

14E0970

140127/531-551 Waverly Brooklyn, NY

Soil

May 21, 2014 3:00 pm

05/22/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-47-8	4-Chloroaniline	ND		ug/kg dry	131	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
218-01-9	Chrysene	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	260	518	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	131	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	131	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	260	519	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	131	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
206-44-0	Fluoranthene	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
86-73-7	Fluorene	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	131	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
78-59-1	Isophorone	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	131	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	131	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR



Sample Information

Client Sample ID: SP-5 0-2'

York Sample ID: 14E0970-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E0970

140127/531-551 Waverly Brooklyn, NY

Soil

May 21, 2014 3:00 pm

05/22/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	131	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	131	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	131	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	131	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	131	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
85-01-8	Phenanthrene	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
108-95-2	Phenol	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
129-00-0	Pyrene	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
110-86-1	Pyridine	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	65.4	259	1	EPA 8270D	05/27/2014 18:00	05/29/2014 12:18	SR
	Surrogate Recoveries	Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	14.3 %			10-105						
4165-62-2	Surrogate: Phenol-d5	19.7 %			10-118						
4165-60-0	Surrogate: Nitrobenzene-d5	30.7 %			10-140						
321-60-8	Surrogate: 2-Fluorobiphenyl	24.9 %			10-126						
5175-83-7	Surrogate: 2,4,6-Tribromophenol	11.0 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	60.8 %			10-137						



Sample Information

Client Sample ID: SP-5 0-2'

York Sample ID: 14E0970-05

<u>York Project (SDG) No.</u> 14E0970	<u>Client Project ID</u> 140127/531-551 Waverly Brooklyn, NY	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 21, 2014 3:00 pm	<u>Date Received</u> 05/22/2014
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Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	86.6	86.6	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:28	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.56	8.56	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:28	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.71	1.71	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:28	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.71	1.71	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:28	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.71	1.71	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:28	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.71	1.71	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:28	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.71	1.71	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:28	JW
72-20-8	Endrin	ND		ug/kg dry	1.71	1.71	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:28	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.71	1.71	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:28	JW
33213-65-9	* Endosulfan II	ND		ug/kg dry	1.71	1.71	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:28	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.71	1.71	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:28	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.71	1.71	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:28	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.71	1.71	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:28	JW
57-74-9	Chlordane, total	ND		ug/kg dry	6.85	6.85	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:28	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.71	1.71	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:28	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.71	1.71	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:28	JW
309-00-2	Aldrin	ND		ug/kg dry	1.71	1.71	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:28	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.71	1.71	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:28	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.71	1.71	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:28	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.71	1.71	5	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 18:28	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	17.6	17.6	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 19:28	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	17.6	17.6	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 19:28	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	17.6	17.6	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 19:28	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	17.6	17.6	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 19:28	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	17.6	17.6	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 19:28	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	17.6	17.6	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 19:28	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	17.6	17.6	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 19:28	JW
1336-36-3	* Total PCBs	ND		ug/kg dry	7.05	17.6	1	EPA 8081B/8082A	05/27/2014 19:00	05/28/2014 19:28	JW
	Surrogate Recoveries	Result		Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	82.3 %		30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	54.6 %		30-140							



Sample Information

Client Sample ID: SP-5 0-2'

York Sample ID: 14E0970-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E0970

140127/531-551 Waverly Brooklyn, NY

Soil

May 21, 2014 3:00 pm

05/22/2014

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8050		mg/kg dry	1.04	1.04	1	EPA 6010C	05/27/2014 15:14	05/27/2014 22:01	MW
7440-36-0	Antimony	ND		mg/kg dry	0.519	0.519	1	EPA 6010C	05/27/2014 15:14	05/27/2014 22:01	MW
7440-38-2	Arsenic	2.32		mg/kg dry	1.04	1.04	1	EPA 6010C	05/27/2014 15:14	05/27/2014 22:01	MW
7440-39-3	Barium	59.6		mg/kg dry	1.04	1.04	1	EPA 6010C	05/27/2014 15:14	05/27/2014 22:01	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.104	0.104	1	EPA 6010C	05/27/2014 15:14	05/27/2014 22:01	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.311	0.311	1	EPA 6010C	05/27/2014 15:14	05/27/2014 22:01	MW
7440-70-2	Calcium	1470		mg/kg dry	0.519	5.19	1	EPA 6010C	05/27/2014 15:14	05/27/2014 22:01	MW
7440-47-3	Chromium	17.2		mg/kg dry	0.519	0.519	1	EPA 6010C	05/27/2014 15:14	05/27/2014 22:01	MW
7440-48-4	Cobalt	7.87		mg/kg dry	0.519	0.519	1	EPA 6010C	05/27/2014 15:14	05/27/2014 22:01	MW
7440-50-8	Copper	20.8		mg/kg dry	0.519	0.519	1	EPA 6010C	05/27/2014 15:14	05/27/2014 22:01	MW
7439-89-6	Iron	13400		mg/kg dry	2.07	2.07	1	EPA 6010C	05/27/2014 15:14	05/27/2014 22:01	MW
7439-92-1	Lead	9.44		mg/kg dry	0.311	0.311	1	EPA 6010C	05/27/2014 15:14	05/27/2014 22:01	MW
7439-95-4	Magnesium	2650		mg/kg dry	5.19	5.19	1	EPA 6010C	05/27/2014 15:14	05/27/2014 22:01	MW
7439-96-5	Manganese	318		mg/kg dry	0.519	0.519	1	EPA 6010C	05/27/2014 15:14	05/27/2014 22:01	MW
7440-02-0	Nickel	35.5		mg/kg dry	0.519	0.519	1	EPA 6010C	05/27/2014 15:14	05/27/2014 22:01	MW
7440-09-7	Potassium	1010		mg/kg dry	5.19	5.19	1	EPA 6010C	05/27/2014 15:14	05/27/2014 22:01	MW
7782-49-2	Selenium	1.18		mg/kg dry	1.04	1.04	1	EPA 6010C	05/27/2014 15:14	05/27/2014 22:01	MW
7440-22-4	Silver	ND		mg/kg dry	0.519	0.519	1	EPA 6010C	05/27/2014 15:14	05/27/2014 22:01	MW
7440-23-5	Sodium	90.9		mg/kg dry	10.4	10.4	1	EPA 6010C	05/27/2014 15:14	05/27/2014 22:01	MW
7440-28-0	Thallium	ND		mg/kg dry	1.04	1.04	1	EPA 6010C	05/27/2014 15:14	05/27/2014 22:01	MW
7440-62-2	Vanadium	25.6		mg/kg dry	1.04	1.04	1	EPA 6010C	05/27/2014 15:14	05/27/2014 22:01	MW
7440-66-6	Zinc	36.2		mg/kg dry	1.04	1.04	1	EPA 6010C	05/27/2014 15:14	05/27/2014 22:01	MW

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0342	0.0342	1	EPA 7471B	05/29/2014 09:35	05/29/2014 16:42	AA



Sample Information

Client Sample ID: SP-5 0-2'

York Sample ID: 14E0970-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E0970

140127/531-551 Waverly Brooklyn, NY

Soil

May 21, 2014 3:00 pm

05/22/2014

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	96.4		%	0.100	0.100	1	SM 2540G	05/29/2014 09:45	05/29/2014 14:37	KK

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.363	0.519	1	EPA 7196A	05/29/2014 08:57	05/29/2014 15:06	SC

Sample Information

Client Sample ID: Field Blank

York Sample ID: 14E0970-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E0970

140127/531-551 Waverly Brooklyn, NY

Water

May 21, 2014 3:00 pm

05/22/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS



Sample Information

Client Sample ID: Field Blank

York Sample ID: 14E0970-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E0970

140127/531-551 Waverly Brooklyn, NY

Water

May 21, 2014 3:00 pm

05/22/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
78-93-3	2-Butanone	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
67-64-1	Acetone	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
71-43-2	Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
100-41-4	Ethyl Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
98-82-8	Isopropylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
75-09-2	Methylene chloride	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
91-20-3	Naphthalene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
104-51-8	n-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
103-65-1	n-Propylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
95-47-6	o-Xylene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	5.0	10	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS



Sample Information

Client Sample ID: Field Blank

York Sample ID: 14E0970-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E0970

140127/531-551 Waverly Brooklyn, NY

Water

May 21, 2014 3:00 pm

05/22/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-87-6	p-Isopropyltoluene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
135-98-8	sec-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
100-42-5	Styrene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
108-88-3	Toluene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
1330-20-7	Xylenes, Total	ND		ug/L	7.5	15	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
108-05-4	Vinyl acetate	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 03:51	SS
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	157 %	S-HI		81-123						
460-00-4	Surrogate: p-Bromofluorobenzene	101 %			70-128						
2037-26-5	Surrogate: Toluene-d8	103 %			88-114						

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	05/28/2014 07:48	05/29/2014 15:50	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	05/28/2014 07:48	05/29/2014 15:50	SR
62-53-3	Aniline	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
120-12-7	Anthracene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	05/28/2014 07:48	05/29/2014 15:50	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	05/28/2014 07:48	05/29/2014 15:50	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	05/28/2014 07:48	05/29/2014 15:50	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	05/28/2014 07:48	05/29/2014 15:50	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	05/28/2014 07:48	05/29/2014 15:50	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	05/28/2014 07:48	05/29/2014 15:50	SR
100-51-6	Benzyl alcohol	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
106-47-8	4-Chloroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR



Sample Information

Client Sample ID: Field Blank

York Sample ID: 14E0970-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E0970

140127/531-551 Waverly Brooklyn, NY

Water

May 21, 2014 3:00 pm

05/22/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
218-01-9	Chrysene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	05/28/2014 07:48	05/29/2014 15:50	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	05/28/2014 07:48	05/29/2014 15:50	SR
132-64-9	Dibenzofuran	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
84-66-2	Diethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.526	0.526	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
206-44-0	Fluoranthene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	05/28/2014 07:48	05/29/2014 15:50	SR
86-73-7	Fluorene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	05/28/2014 07:48	05/29/2014 15:50	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0211	0.0211	1	EPA 8270D	05/28/2014 07:48	05/29/2014 15:50	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.526	0.526	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
67-72-1	Hexachloroethane	ND		ug/L	0.526	0.526	1	EPA 8270D	05/28/2014 07:48	05/29/2014 15:50	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	05/28/2014 07:48	05/29/2014 15:50	SR
78-59-1	Isophorone	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
95-48-7	2-Methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
91-20-3	Naphthalene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	05/28/2014 07:48	05/29/2014 15:50	SR



Sample Information

Client Sample ID: Field Blank

York Sample ID: 14E0970-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E0970

140127/531-551 Waverly Brooklyn, NY

Water

May 21, 2014 3:00 pm

05/22/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
99-09-2	3-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
88-74-4	2-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
98-95-3	Nitrobenzene	ND		ug/L	0.263	0.263	1	EPA 8270D	05/28/2014 07:48	05/29/2014 15:50	SR
100-02-7	4-Nitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
88-75-5	2-Nitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.526	0.526	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.263	0.263	1	EPA 8270D	05/28/2014 07:48	05/29/2014 15:50	SR
85-01-8	Phenanthrene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	05/28/2014 07:48	05/29/2014 15:50	SR
108-95-2	Phenol	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
129-00-0	Pyrene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	05/28/2014 07:48	05/29/2014 15:50	SR
110-86-1	Pyridine	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	05/28/2014 07:48	05/29/2014 12:33	SR
	Surrogate Recoveries	Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	20.8 %			10-53						
4165-62-2	Surrogate: Phenol-d5	12.1 %			10-39						
4165-60-0	Surrogate: Nitrobenzene-d5	52.8 %			10-120						
321-60-8	Surrogate: 2-Fluorobiphenyl	55.1 %			10-108						
5175-83-7	Surrogate: 2,4,6-Tribromophenol	80.2 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	68.0 %			10-143						

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/L	0.100	0.100	1	EPA 8081B/8082A	05/27/2014 13:42	05/28/2014 12:53	JW
72-43-5	Methoxychlor	ND		ug/L	0.00400	0.00400	1	EPA 8081B/8082A	05/27/2014 13:42	05/28/2014 12:53	JW
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	0.00400	1	EPA 8081B/8082A	05/27/2014 13:42	05/28/2014 12:53	JW
76-44-8	Heptachlor	ND		ug/L	0.00400	0.00400	1	EPA 8081B/8082A	05/27/2014 13:42	05/28/2014 12:53	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	0.00400	1	EPA 8081B/8082A	05/27/2014 13:42	05/28/2014 12:53	JW
53494-70-5	Endrin ketone	ND		ug/L	0.0100	0.0100	1	EPA 8081B/8082A	05/27/2014 13:42	05/28/2014 12:53	JW
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	0.0100	1	EPA 8081B/8082A	05/27/2014 13:42	05/28/2014 12:53	JW
72-20-8	Endrin	ND		ug/L	0.00400	0.00400	1	EPA 8081B/8082A	05/27/2014 13:42	05/28/2014 12:53	JW



Sample Information

Client Sample ID: Field Blank

York Sample ID: 14E0970-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E0970

140127/531-551 Waverly Brooklyn, NY

Water

May 21, 2014 3:00 pm

05/22/2014

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	0.00400	1	EPA 8081B/8082A	05/27/2014 13:42	05/28/2014 12:53	JW
33213-65-9	Endosulfan II	ND		ug/L	0.00400	0.00400	1	EPA 8081B/8082A	05/27/2014 13:42	05/28/2014 12:53	JW
959-98-8	Endosulfan I	ND		ug/L	0.00400	0.00400	1	EPA 8081B/8082A	05/27/2014 13:42	05/28/2014 12:53	JW
60-57-1	Dieldrin	ND		ug/L	0.00200	0.00200	1	EPA 8081B/8082A	05/27/2014 13:42	05/28/2014 12:53	JW
319-86-8	delta-BHC	ND		ug/L	0.00400	0.00400	1	EPA 8081B/8082A	05/27/2014 13:42	05/28/2014 12:53	JW
57-74-9	Chlordane, total	ND		ug/L	0.0400	0.0400	1	EPA 8081B/8082A	05/27/2014 13:42	05/28/2014 12:53	JW
319-85-7	beta-BHC	ND		ug/L	0.00400	0.00400	1	EPA 8081B/8082A	05/27/2014 13:42	05/28/2014 12:53	JW
319-84-6	alpha-BHC	ND		ug/L	0.00400	0.00400	1	EPA 8081B/8082A	05/27/2014 13:42	05/28/2014 12:53	JW
309-00-2	Aldrin	ND		ug/L	0.00400	0.00400	1	EPA 8081B/8082A	05/27/2014 13:42	05/28/2014 12:53	JW
50-29-3	4,4'-DDT	ND		ug/L	0.00400	0.00400	1	EPA 8081B/8082A	05/27/2014 13:42	05/28/2014 12:53	JW
72-55-9	4,4'-DDE	ND		ug/L	0.00400	0.00400	1	EPA 8081B/8082A	05/27/2014 13:42	05/28/2014 12:53	JW
72-54-8	4,4'-DDD	ND		ug/L	0.00400	0.00400	1	EPA 8081B/8082A	05/27/2014 13:42	05/28/2014 12:53	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	0.0500	1	EPA 8081B/8082A	05/27/2014 13:42	05/27/2014 15:53	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	0.0500	1	EPA 8081B/8082A	05/27/2014 13:42	05/27/2014 15:53	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	0.0500	1	EPA 8081B/8082A	05/27/2014 13:42	05/27/2014 15:53	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	0.0500	1	EPA 8081B/8082A	05/27/2014 13:42	05/27/2014 15:53	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	0.0500	1	EPA 8081B/8082A	05/27/2014 13:42	05/27/2014 15:53	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	0.0500	1	EPA 8081B/8082A	05/27/2014 13:42	05/27/2014 15:53	JW
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	0.0500	1	EPA 8081B/8082A	05/27/2014 13:42	05/27/2014 15:53	JW
1336-36-3	* Total PCBs	ND		ug/L	0.0500	0.0500	1	EPA 8081B/8082A	05/27/2014 13:42	05/27/2014 15:53	JW

Surrogate Recoveries

Result

Acceptance Range

877-09-8	Surrogate: Tetrachloro-m-xylene	73.7 %	30-120
2051-24-3	Surrogate: Decachlorobiphenyl	47.5 %	30-120

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.010	0.010	1	EPA 6010C	05/28/2014 11:42	05/28/2014 21:29	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C	05/28/2014 11:42	05/28/2014 21:29	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C	05/28/2014 11:42	05/28/2014 21:29	MW
7440-39-3	Barium	ND		mg/L	0.010	0.010	1	EPA 6010C	05/28/2014 11:42	05/28/2014 21:29	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	05/28/2014 11:42	05/28/2014 21:29	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	05/28/2014 11:42	05/28/2014 21:29	MW
7440-70-2	Calcium	ND		mg/L	0.050	0.050	1	EPA 6010C	05/28/2014 11:42	05/28/2014 21:29	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	05/28/2014 11:42	05/28/2014 21:29	MW



Sample Information

Client Sample ID: Field Blank

York Sample ID: 14E0970-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E0970

140127/531-551 Waverly Brooklyn, NY

Water

May 21, 2014 3:00 pm

05/22/2014

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C	05/28/2014 11:42	05/28/2014 21:29	MW
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C	05/28/2014 11:42	05/28/2014 21:29	MW
7439-89-6	Iron	ND		mg/L	0.020	0.020	1	EPA 6010C	05/28/2014 11:42	05/28/2014 21:29	MW
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C	05/28/2014 11:42	05/28/2014 21:29	MW
7439-95-4	Magnesium	ND		mg/L	0.050	0.050	1	EPA 6010C	05/28/2014 11:42	05/28/2014 21:29	MW
7439-96-5	Manganese	ND		mg/L	0.005	0.005	1	EPA 6010C	05/28/2014 11:42	05/28/2014 21:29	MW
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C	05/28/2014 11:42	05/28/2014 21:29	MW
7440-09-7	Potassium	ND		mg/L	0.050	0.050	1	EPA 6010C	05/28/2014 11:42	05/28/2014 21:29	MW
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C	05/28/2014 11:42	05/28/2014 21:29	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	05/28/2014 11:42	05/28/2014 21:29	MW
7440-23-5	Sodium	ND		mg/L	0.100	0.100	1	EPA 6010C	05/28/2014 11:42	05/28/2014 21:29	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C	05/28/2014 11:42	05/28/2014 21:29	MW
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C	05/28/2014 11:42	05/28/2014 21:29	MW
7440-66-6	Zinc	ND		mg/L	0.010	0.010	1	EPA 6010C	05/28/2014 11:42	05/28/2014 21:29	MW

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	0.0002	1	EPA 7470	05/29/2014 09:43	05/29/2014 16:45	AA

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND	HT-02	mg/L	0.0100	0.0100	1	EPA 7196A	05/22/2014 20:00	05/27/2014 11:21	AD

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 14E0970-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E0970

140127/531-551 Waverly Brooklyn, NY

Water

May 21, 2014 3:00 pm

05/22/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 14E0970-07

<u>York Project (SDG) No.</u> 14E0970	<u>Client Project ID</u> 140127/531-551 Waverly Brooklyn, NY	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 21, 2014 3:00 pm	<u>Date Received</u> 05/22/2014
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Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
78-93-3	2-Butanone	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
67-64-1	Acetone	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
71-43-2	Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 14E0970-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E0970

140127/531-551 Waverly Brooklyn, NY

Water

May 21, 2014 3:00 pm

05/22/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
100-41-4	Ethyl Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
98-82-8	Isopropylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
75-09-2	Methylene chloride	5.4		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
91-20-3	Naphthalene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
104-51-8	n-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
103-65-1	n-Propylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
95-47-6	o-Xylene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	5.0	10	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
135-98-8	sec-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
100-42-5	Styrene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
108-88-3	Toluene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
1330-20-7	Xylenes, Total	ND		ug/L	7.5	15	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
108-05-4	Vinyl acetate	ND		ug/L	2.5	5.0	1	EPA 8260C	05/28/2014 17:03	05/29/2014 04:26	SS
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	146 %	S-HI		81-123						
460-00-4	Surrogate: p-Bromofluorobenzene	106 %			70-128						
2037-26-5	Surrogate: Toluene-d8	110 %			88-114						



Analytical Batch Summary

Batch ID: BE41349 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** KAT

YORK Sample ID	Client Sample ID	Preparation Date
14E0970-06	Field Blank	05/27/14
BE41349-BLK1	Blank	05/27/14
BE41349-BS1	LCS	05/27/14
BE41349-BS2	LCS	05/27/14
BE41349-BSD1	LCS Dup	05/27/14

Batch ID: BE41355 **Preparation Method:** Analysis Preparation **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
14E0970-06	Field Blank	05/22/14
BE41355-BLK1	Blank	05/22/14
BE41355-BS1	LCS	05/22/14

Batch ID: BE41407 **Preparation Method:** EPA 3545A **Prepared By:** DB

YORK Sample ID	Client Sample ID	Preparation Date
14E0970-01	SP-1 0-2'	05/27/14
14E0970-02	SP-2 0-2'	05/27/14
14E0970-03	SP-3 0-2'	05/27/14
14E0970-04	SP-4 0-2'	05/27/14
14E0970-05	SP-5 0-2'	05/27/14
BE41407-BLK1	Blank	05/27/14
BE41407-BS1	LCS	05/27/14
BE41407-BSD1	LCS Dup	05/27/14

Batch ID: BE41408 **Preparation Method:** EPA 3550C **Prepared By:** SA

YORK Sample ID	Client Sample ID	Preparation Date
14E0970-01	SP-1 0-2'	05/27/14
14E0970-02	SP-2 0-2'	05/27/14
14E0970-03	SP-3 0-2'	05/27/14
14E0970-04	SP-4 0-2'	05/27/14
14E0970-05	SP-5 0-2'	05/27/14
BE41408-BLK1	Blank	05/27/14
BE41408-BS1	LCS	05/27/14
BE41408-BS2	LCS	05/27/14
BE41408-BSD1	LCS Dup	05/27/14
BE41408-BSD2	LCS Dup	05/27/14

Batch ID: BE41423 **Preparation Method:** EPA 3050B **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14E0970-01	SP-1 0-2'	05/27/14



14E0970-02	SP-2 0-2'	05/27/14
14E0970-03	SP-3 0-2'	05/27/14
14E0970-04	SP-4 0-2'	05/27/14
14E0970-05	SP-5 0-2'	05/27/14
BE41423-BLK1	Blank	05/27/14
BE41423-SRM1	Reference	05/27/14

Batch ID: BE41440 **Preparation Method:** EPA 3510C **Prepared By:** KAT

YORK Sample ID	Client Sample ID	Preparation Date
14E0970-06	Field Blank	05/28/14

Batch ID: BE41475 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14E0970-06	Field Blank	05/28/14
BE41475-BLK1	Blank	05/28/14
BE41475-SRM1	Reference	05/28/14
BE41475-SRM2	Reference	05/28/14

Batch ID: BE41503 **Preparation Method:** EPA 5035A **Prepared By:** BK

YORK Sample ID	Client Sample ID	Preparation Date
14E0970-01	SP-1 0-2'	05/28/14
14E0970-02	SP-2 0-2'	05/28/14
14E0970-03	SP-3 0-2'	05/28/14
14E0970-04	SP-4 0-2'	05/28/14
14E0970-05	SP-5 0-2'	05/28/14
BE41503-BLK1	Blank	05/28/14
BE41503-BS1	LCS	05/28/14
BE41503-BSD1	LCS Dup	05/28/14

Batch ID: BE41522 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14E0970-06	Field Blank	05/28/14
14E0970-07	Trip Blank	05/28/14
BE41522-BLK1	Blank	05/28/14
BE41522-BS1	LCS	05/28/14
BE41522-BSD1	LCS Dup	05/28/14

Batch ID: BE41532 **Preparation Method:** EPA SW846-3060 **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
14E0970-01	SP-1 0-2'	05/29/14
14E0970-02	SP-2 0-2'	05/29/14
14E0970-03	SP-3 0-2'	05/29/14
14E0970-04	SP-4 0-2'	05/29/14



14E0970-05	SP-5 0-2'	05/29/14
BE41532-BLK1	Blank	05/29/14
BE41532-SRM1	Reference	05/29/14

Batch ID: BE41538 **Preparation Method:** EPA SW846-7471 **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
14E0970-01	SP-1 0-2'	05/29/14
14E0970-02	SP-2 0-2'	05/29/14
14E0970-03	SP-3 0-2'	05/29/14
14E0970-04	SP-4 0-2'	05/29/14
14E0970-05	SP-5 0-2'	05/29/14
BE41538-BLK1	Blank	05/29/14
BE41538-DUP1	Duplicate	05/29/14
BE41538-MS1	Matrix Spike	05/29/14
BE41538-SRM1	Reference	05/29/14

Batch ID: BE41543 **Preparation Method:** EPA SW846-7470 **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
14E0970-06	Field Blank	05/29/14
BE41543-BLK1	Blank	05/29/14
BE41543-BLK2	Blank	05/29/14
BE41543-BS1	LCS	05/29/14
BE41543-BS2	LCS	05/29/14

Batch ID: BE41544 **Preparation Method:** % Solids Prep **Prepared By:** KK

YORK Sample ID	Client Sample ID	Preparation Date
14E0970-01	SP-1 0-2'	05/29/14
14E0970-02	SP-2 0-2'	05/29/14
14E0970-03	SP-3 0-2'	05/29/14
14E0970-04	SP-4 0-2'	05/29/14
14E0970-05	SP-5 0-2'	05/29/14



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE41503 - EPA 5035A

Blank (BE41503-BLK1)

Prepared: 05/28/2014 Analyzed: 05/29/2014

1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	3.6	10	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	10	"								
Naphthalene	3.4	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting		Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit	Units							Level	Result

Batch BE41503 - EPA 5035A

Blank (BE41503-BLK1)

Prepared: 05/28/2014 Analyzed: 05/29/2014

o-Xylene	ND	5.0	ug/kg wet								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Vinyl acetate	ND	5.0	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>46.4</i>		<i>ug/L</i>	<i>50.0</i>		<i>92.7</i>	<i>67-130</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>49.8</i>		<i>"</i>	<i>50.0</i>		<i>99.5</i>	<i>75-127</i>				
<i>Surrogate: Toluene-d8</i>	<i>51.6</i>		<i>"</i>	<i>50.0</i>		<i>103</i>	<i>90-112</i>				

LCS (BE41503-BS1)

Prepared & Analyzed: 05/28/2014

1,1,1,2-Tetrachloroethane	53.2		ug/L	50.0		106	72-126				
1,1,1-Trichloroethane	54.7		"	50.0		109	74-126				
1,1,2,2-Tetrachloroethane	55.1		"	50.0		110	72-133				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52.1		"	50.0		104	47-160				
1,1,2-Trichloroethane	57.0		"	50.0		114	81-124				
1,1-Dichloroethane	55.9		"	50.0		112	80-125				
1,1-Dichloroethylene	52.0		"	50.0		104	62-136				
1,1-Dichloropropylene	53.1		"	50.0		106	81-121				
1,2,3-Trichlorobenzene	55.5		"	50.0		111	63-154				
1,2,3-Trichloropropane	55.6		"	50.0		111	70-126				
1,2,4-Trichlorobenzene	54.2		"	50.0		108	61-158				
1,2,4-Trimethylbenzene	56.1		"	50.0		112	83-123				
1,2-Dibromo-3-chloropropane	59.5		"	50.0		119	48-152				
1,2-Dibromoethane	55.7		"	50.0		111	81-123				
1,2-Dichlorobenzene	54.3		"	50.0		109	81-117				
1,2-Dichloroethane	52.8		"	50.0		106	67-129				
1,2-Dichloropropane	53.4		"	50.0		107	74-127				
1,3,5-Trimethylbenzene	56.2		"	50.0		112	81-120				
1,3-Dichlorobenzene	54.2		"	50.0		108	84-117				
1,3-Dichloropropane	56.4		"	50.0		113	77-125				
1,4-Dichlorobenzene	53.4		"	50.0		107	85-118				
1,4-Dioxane	1660		"	1000		166	31-190				
2,2-Dichloropropane	52.6		"	50.0		105	69-129				
2-Butanone	52.5		"	50.0		105	58-159				
2-Chlorotoluene	53.8		"	50.0		108	75-123				
4-Chlorotoluene	52.4		"	50.0		105	76-121				
Acetone	45.3		"	50.0		90.6	32-173				
Benzene	54.6		"	50.0		109	83-126				
Bromobenzene	56.0		"	50.0		112	70-130				
Bromochloromethane	54.7		"	50.0		109	73-128				
Bromodichloromethane	57.1		"	50.0		114	74-126				
Bromoform	58.4		"	50.0		117	63-137				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	
		Limit								Units	Level
Batch BE41503 - EPA 5035A											
LCS (BE41503-BS1)										Prepared & Analyzed: 05/28/2014	
Bromomethane	40.5		ug/L	50.0	81.0	24-144					
Carbon tetrachloride	54.4		"	50.0	109	68-132					
Chlorobenzene	54.8		"	50.0	110	87-115					
Chloroethane	44.4		"	50.0	88.8	39-146					
Chloroform	54.6		"	50.0	109	84-120					
Chloromethane	38.1		"	50.0	76.2	35-153					
cis-1,2-Dichloroethylene	54.1		"	50.0	108	86-121					
cis-1,3-Dichloropropylene	60.0		"	50.0	120	78-122					
Dibromochloromethane	15.5		"	50.0	31.1	41-149	Low Bias				
Dibromomethane	57.0		"	50.0	114	82-118					
Dichlorodifluoromethane	35.5		"	50.0	71.0	52-143					
Ethyl Benzene	54.3		"	50.0	109	81-118					
Hexachlorobutadiene	55.3		"	50.0	111	70-133					
Isopropylbenzene	55.1		"	50.0	110	78-122					
Methyl tert-butyl ether (MTBE)	54.2		"	50.0	108	62-140					
Methylene chloride	53.4		"	50.0	107	48-143					
Naphthalene	57.6		"	50.0	115	55-160					
n-Butylbenzene	54.7		"	50.0	109	71-142					
n-Propylbenzene	54.0		"	50.0	108	80-123					
o-Xylene	54.9		"	50.0	110	81-118					
p- & m- Xylenes	109		"	100	109	80-120					
p-Isopropyltoluene	54.1		"	50.0	108	83-126					
sec-Butylbenzene	53.3		"	50.0	107	84-123					
Styrene	58.4		"	50.0	117	85-115	High Bias				
tert-Butylbenzene	53.5		"	50.0	107	78-122					
Tetrachloroethylene	55.0		"	50.0	110	76-129					
Toluene	54.7		"	50.0	109	85-116					
trans-1,2-Dichloroethylene	53.3		"	50.0	107	66-136					
trans-1,3-Dichloropropylene	56.3		"	50.0	113	71-128					
Trichloroethylene	54.0		"	50.0	108	83-118					
Trichlorofluoromethane	46.8		"	50.0	93.5	54-141					
Vinyl Chloride	41.5		"	50.0	83.0	38-147					
Vinyl acetate	59.0		"	50.0	118	67-136					
Surrogate: 1,2-Dichloroethane-d4	47.5		"	50.0	95.0	67-130					
Surrogate: p-Bromofluorobenzene	49.6		"	50.0	99.3	75-127					
Surrogate: Toluene-d8	50.0		"	50.0	100	90-112					



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE41503 - EPA 5035A											
LCS Dup (BE41503-BSD1)											
Prepared & Analyzed: 05/28/2014											
1,1,1,2-Tetrachloroethane	54.9		ug/L	50.0		110	72-126		3.13	30	
1,1,1-Trichloroethane	54.7		"	50.0		109	74-126		0.0732	30	
1,1,2,2-Tetrachloroethane	55.6		"	50.0		111	72-133		0.957	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.5		"	50.0		101	47-160		3.18	30	
1,1,2-Trichloroethane	59.4		"	50.0		119	81-124		4.12	30	
1,1-Dichloroethane	53.8		"	50.0		108	80-125		3.97	30	
1,1-Dichloroethylene	51.1		"	50.0		102	62-136		1.88	30	
1,1-Dichloropropylene	52.6		"	50.0		105	81-121		1.00	30	
1,2,3-Trichlorobenzene	54.3		"	50.0		109	63-154		2.19	30	
1,2,3-Trichloropropane	54.7		"	50.0		109	70-126		1.74	30	
1,2,4-Trichlorobenzene	55.7		"	50.0		111	61-158		2.57	30	
1,2,4-Trimethylbenzene	56.4		"	50.0		113	83-123		0.551	30	
1,2-Dibromo-3-chloropropane	51.7		"	50.0		103	48-152		14.0	30	
1,2-Dibromoethane	55.3		"	50.0		111	81-123		0.703	30	
1,2-Dichlorobenzene	54.2		"	50.0		108	81-117		0.0553	30	
1,2-Dichloroethane	52.2		"	50.0		104	67-129		1.16	30	
1,2-Dichloropropane	55.5		"	50.0		111	74-127		3.82	30	
1,3,5-Trimethylbenzene	55.0		"	50.0		110	81-120		2.16	30	
1,3-Dichlorobenzene	54.4		"	50.0		109	84-117		0.387	30	
1,3-Dichloropropane	57.7		"	50.0		115	77-125		2.28	30	
1,4-Dichlorobenzene	54.9		"	50.0		110	85-118		2.88	30	
1,4-Dioxane	1550		"	1000		155	31-190		6.84	30	
2,2-Dichloropropane	54.1		"	50.0		108	69-129		2.94	30	
2-Butanone	50.2		"	50.0		100	58-159		4.52	30	
2-Chlorotoluene	53.4		"	50.0		107	75-123		0.616	30	
4-Chlorotoluene	53.6		"	50.0		107	76-121		2.19	30	
Acetone	44.1		"	50.0		88.1	32-173		2.82	30	
Benzene	53.9		"	50.0		108	83-126		1.33	30	
Bromobenzene	54.3		"	50.0		109	70-130		3.12	30	
Bromochloromethane	55.1		"	50.0		110	73-128		0.747	30	
Bromodichloromethane	57.0		"	50.0		114	74-126		0.105	30	
Bromoform	57.6		"	50.0		115	63-137		1.50	30	
Bromomethane	42.8		"	50.0		85.7	24-144		5.64	30	
Carbon tetrachloride	53.2		"	50.0		106	68-132		2.25	30	
Chlorobenzene	53.9		"	50.0		108	87-115		1.75	30	
Chloroethane	43.5		"	50.0		87.1	39-146		1.96	30	
Chloroform	53.3		"	50.0		107	84-120		2.39	30	
Chloromethane	39.2		"	50.0		78.4	35-153		2.82	30	
cis-1,2-Dichloroethylene	55.3		"	50.0		111	86-121		2.12	30	
cis-1,3-Dichloropropylene	60.9		"	50.0		122	78-122		1.49	30	
Dibromochloromethane	4.20		"	50.0		8.40	41-149	Low Bias	115	30	Non-dir.
Dibromomethane	57.9		"	50.0		116	82-118		1.69	30	
Dichlorodifluoromethane	36.2		"	50.0		72.4	52-143		2.06	30	
Ethyl Benzene	55.7		"	50.0		111	81-118		2.51	30	
Hexachlorobutadiene	53.4		"	50.0		107	70-133		3.46	30	
Isopropylbenzene	53.2		"	50.0		106	78-122		3.41	30	
Methyl tert-butyl ether (MTBE)	53.2		"	50.0		106	62-140		1.99	30	
Methylene chloride	52.7		"	50.0		105	48-143		1.41	30	
Naphthalene	58.1		"	50.0		116	55-160		0.830	30	
n-Butylbenzene	54.2		"	50.0		108	71-142		0.918	30	
n-Propylbenzene	55.4		"	50.0		111	80-123		2.63	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE41503 - EPA 5035A

LCS Dup (BE41503-BSD1)

Prepared & Analyzed: 05/28/2014

o-Xylene	56.6		ug/L	50.0		113	81-118		2.92	30	
p- & m- Xylenes	115		"	100		115	80-120		5.05	30	
p-Isopropyltoluene	54.3		"	50.0		109	83-126		0.498	30	
sec-Butylbenzene	54.2		"	50.0		108	84-123		1.56	30	
Styrene	58.8		"	50.0		118	85-115	High Bias	0.734	30	
tert-Butylbenzene	57.2		"	50.0		114	78-122		6.61	30	
Tetrachloroethylene	55.3		"	50.0		111	76-129		0.653	30	
Toluene	56.6		"	50.0		113	85-116		3.47	30	
trans-1,2-Dichloroethylene	54.4		"	50.0		109	66-136		1.97	30	
trans-1,3-Dichloropropylene	61.3		"	50.0		123	71-128		8.50	30	
Trichloroethylene	56.6		"	50.0		113	83-118		4.77	30	
Trichlorofluoromethane	44.2		"	50.0		88.5	54-141		5.52	30	
Vinyl Chloride	41.6		"	50.0		83.3	38-147		0.313	30	
Vinyl acetate	57.3		"	50.0		115	67-136		2.82	30	
Surrogate: 1,2-Dichloroethane-d4	46.8		"	50.0		93.5	67-130				
Surrogate: p-Bromofluorobenzene	50.4		"	50.0		101	75-127				
Surrogate: Toluene-d8	52.9		"	50.0		106	90-112				

Batch BE41522 - EPA 5030B

Blank (BE41522-BLK1)

Prepared: 05/28/2014 Analyzed: 05/29/2014

1,1,1,2-Tetrachloroethane	ND	5.0	ug/L								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	ND	5.0	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit								Limit			

Batch BE41522 - EPA 5030B

Blank (BE41522-BLK1)

Prepared: 05/28/2014 Analyzed: 05/29/2014

Bromomethane	ND	5.0	ug/L										
Carbon tetrachloride	ND	5.0	"										
Chlorobenzene	ND	5.0	"										
Chloroethane	ND	5.0	"										
Chloroform	ND	5.0	"										
Chloromethane	ND	5.0	"										
cis-1,2-Dichloroethylene	ND	5.0	"										
cis-1,3-Dichloropropylene	ND	5.0	"										
Dibromochloromethane	ND	5.0	"										
Dibromomethane	ND	5.0	"										
Dichlorodifluoromethane	ND	5.0	"										
Ethyl Benzene	ND	5.0	"										
Hexachlorobutadiene	ND	5.0	"										
Isopropylbenzene	ND	5.0	"										
Methyl tert-butyl ether (MTBE)	ND	5.0	"										
Methylene chloride	ND	5.0	"										
Naphthalene	ND	5.0	"										
n-Butylbenzene	ND	5.0	"										
n-Propylbenzene	ND	5.0	"										
o-Xylene	ND	5.0	"										
p- & m- Xylenes	ND	10	"										
p-Isopropyltoluene	ND	5.0	"										
sec-Butylbenzene	ND	5.0	"										
Styrene	ND	5.0	"										
tert-Butylbenzene	ND	5.0	"										
Tetrachloroethylene	ND	5.0	"										
Toluene	ND	5.0	"										
trans-1,2-Dichloroethylene	ND	5.0	"										
trans-1,3-Dichloropropylene	ND	5.0	"										
Trichloroethylene	ND	5.0	"										
Trichlorofluoromethane	ND	5.0	"										
Vinyl Chloride	ND	5.0	"										
Xylenes, Total	ND	15	"										
Vinyl acetate	ND	5.0	"										
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Surrogate: 1,2-Dichloroethane-d4	64.7		"	50.0		129		81-123					
Surrogate: p-Bromofluorobenzene	49.9		"	50.0		99.7		70-128					
Surrogate: Toluene-d8	53.4		"	50.0		107		88-114					



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting		Spike	Source*		%REC	%REC	Limits	Flag	RPD	
		Limit	Units		Level	Result					%REC	RPD

Batch BE41522 - EPA 5030B

LCS (BE41522-BS1)

Prepared: 05/28/2014 Analyzed: 05/29/2014

1,1,1,2-Tetrachloroethane	50.8		ug/L	50.0		102		85-118				
1,1,1-Trichloroethane	52.5		"	50.0		105		74-128				
1,1,2,2-Tetrachloroethane	50.1		"	50.0		100		71-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52.2		"	50.0		104		51-157				
1,1,2-Trichloroethane	50.3		"	50.0		101		80-122				
1,1-Dichloroethane	48.9		"	50.0		97.7		70-131				
1,1-Dichloroethylene	51.2		"	50.0		102		60-143				
1,1-Dichloropropylene	49.1		"	50.0		98.1		78-122				
1,2,3-Trichlorobenzene	53.0		"	50.0		106		68-140				
1,2,3-Trichloropropane	49.0		"	50.0		98.0		77-125				
1,2,4-Trichlorobenzene	55.3		"	50.0		111		65-143				
1,2,4-Trimethylbenzene	54.9		"	50.0		110		83-121				
1,2-Dibromo-3-chloropropane	48.4		"	50.0		96.7		60-146				
1,2-Dibromoethane	55.3		"	50.0		111		82-122				
1,2-Dichlorobenzene	53.2		"	50.0		106		85-115				
1,2-Dichloroethane	48.7		"	50.0		97.4		72-126				
1,2-Dichloropropane	48.8		"	50.0		97.6		78-119				
1,3,5-Trimethylbenzene	56.8		"	50.0		114		84-118				
1,3-Dichlorobenzene	52.4		"	50.0		105		83-117				
1,3-Dichloropropane	48.3		"	50.0		96.7		79-121				
1,4-Dichlorobenzene	54.2		"	50.0		108		83-118				
2,2-Dichloropropane	48.3		"	50.0		96.5		60-135				
2-Butanone	44.0		"	50.0		87.9		48-156				
2-Chlorotoluene	55.1		"	50.0		110		81-118				
4-Chlorotoluene	51.4		"	50.0		103		81-117				
Acetone	38.0		"	50.0		76.1		21-172				
Benzene	51.3		"	50.0		103		82-120				
Bromobenzene	50.8		"	50.0		102		82-119				
Bromochloromethane	52.9		"	50.0		106		69-125				
Bromodichloromethane	47.8		"	50.0		95.5		84-117				
Bromoform	53.3		"	50.0		107		77-130				
Bromomethane	51.9		"	50.0		104		16-162				
Carbon tetrachloride	52.2		"	50.0		104		72-132				
Chlorobenzene	53.1		"	50.0		106		88-112				
Chloroethane	37.4		"	50.0		74.8		29-172				
Chloroform	51.5		"	50.0		103		77-124				
Chloromethane	26.7		"	50.0		53.3		37-131				
cis-1,2-Dichloroethylene	54.3		"	50.0		109		77-124				
cis-1,3-Dichloropropylene	50.4		"	50.0		101		81-117				
Dibromochloromethane	51.7		"	50.0		103		72-131				
Dibromomethane	52.4		"	50.0		105		85-116				
Dichlorodifluoromethane	31.9		"	50.0		63.9		47-152				
Ethyl Benzene	56.4		"	50.0		113		86-114				
Hexachlorobutadiene	57.7		"	50.0		115		68-139				
Isopropylbenzene	55.3		"	50.0		111		84-118				
Methyl tert-butyl ether (MTBE)	49.1		"	50.0		98.2		49-156				
Methylene chloride	46.4		"	50.0		92.8		51-145				
Naphthalene	54.6		"	50.0		109		67-141				
n-Butylbenzene	52.0		"	50.0		104		76-125				
n-Propylbenzene	57.9		"	50.0		116		84-118				
o-Xylene	52.1		"	50.0		104		85-114				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE41522 - EPA 5030B

LCS (BE41522-BS1)

Prepared: 05/28/2014 Analyzed: 05/29/2014

p- & m- Xylenes	115		ug/L	100		115	84-117				
p-Isopropyltoluene	55.1		"	50.0		110	84-121				
sec-Butylbenzene	55.7		"	50.0		111	85-119				
Styrene	53.9		"	50.0		108	77-126				
tert-Butylbenzene	56.2		"	50.0		112	83-119				
Tetrachloroethylene	53.8		"	50.0		108	75-129				
Toluene	53.0		"	50.0		106	86-113				
trans-1,2-Dichloroethylene	45.4		"	50.0		90.8	55-148				
trans-1,3-Dichloropropylene	48.1		"	50.0		96.2	77-120				
Trichloroethylene	55.9		"	50.0		112	85-115				
Trichlorofluoromethane	57.2		"	50.0		114	69-131				
Vinyl Chloride	29.4		"	50.0		58.9	44-152				
Vinyl acetate	50.4		"	50.0		101	48-145				
Surrogate: 1,2-Dichloroethane-d4	49.3		"	50.0		98.6	81-123				
Surrogate: p-Bromofluorobenzene	52.2		"	50.0		104	70-128				
Surrogate: Toluene-d8	53.2		"	50.0		106	88-114				

LCS Dup (BE41522-BSD1)

Prepared: 05/28/2014 Analyzed: 05/29/2014

1,1,1,2-Tetrachloroethane	55.3		ug/L	50.0		111	85-118		8.50	30	
1,1,1-Trichloroethane	69.1		"	50.0		138	74-128	High Bias	27.2	30	
1,1,2,2-Tetrachloroethane	47.4		"	50.0		94.9	71-130		5.51	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	84.7		"	50.0		169	51-157	High Bias	47.5	30	Non-dir.
1,1,2-Trichloroethane	43.4		"	50.0		86.7	80-122		14.8	30	
1,1-Dichloroethane	59.0		"	50.0		118	70-131		18.7	30	
1,1-Dichloroethylene	79.5		"	50.0		159	60-143	High Bias	43.4	30	Non-dir.
1,1-Dichloropropylene	54.6		"	50.0		109	78-122		10.6	30	
1,2,3-Trichlorobenzene	64.1		"	50.0		128	68-140		18.8	30	
1,2,3-Trichloropropane	53.7		"	50.0		107	77-125		9.19	30	
1,2,4-Trichlorobenzene	59.7		"	50.0		119	65-143		7.58	30	
1,2,4-Trimethylbenzene	56.4		"	50.0		113	83-121		2.62	30	
1,2-Dibromo-3-chloropropane	57.1		"	50.0		114	60-146		16.6	30	
1,2-Dibromoethane	54.2		"	50.0		108	82-122		1.95	30	
1,2-Dichlorobenzene	57.2		"	50.0		114	85-115		7.32	30	
1,2-Dichloroethane	60.1		"	50.0		120	72-126		21.0	30	
1,2-Dichloropropane	39.7		"	50.0		79.4	78-119		20.5	30	
1,3,5-Trimethylbenzene	58.4		"	50.0		117	84-118		2.74	30	
1,3-Dichlorobenzene	54.9		"	50.0		110	83-117		4.79	30	
1,3-Dichloropropane	43.2		"	50.0		86.4	79-121		11.2	30	
1,4-Dichlorobenzene	56.1		"	50.0		112	83-118		3.55	30	
2,2-Dichloropropane	61.5		"	50.0		123	60-135		24.2	30	
2-Butanone	38.8		"	50.0		77.7	48-156		12.4	30	
2-Chlorotoluene	57.5		"	50.0		115	81-118		4.32	30	
4-Chlorotoluene	52.0		"	50.0		104	81-117		1.30	30	
Acetone	55.5		"	50.0		111	21-172		37.4	30	Non-dir.
Benzene	50.7		"	50.0		101	82-120		1.29	30	
Bromobenzene	49.7		"	50.0		99.4	82-119		2.17	30	
Bromochloromethane	53.1		"	50.0		106	69-125		0.528	30	
Bromodichloromethane	49.4		"	50.0		98.7	84-117		3.30	30	
Bromoform	54.9		"	50.0		110	77-130		2.90	30	
Bromomethane	78.2		"	50.0		156	16-162		40.4	30	Non-dir.
Carbon tetrachloride	70.6		"	50.0		141	72-132	High Bias	30.0	30	
Chlorobenzene	54.4		"	50.0		109	88-112		2.34	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit			Result					Limit			

Batch BE41522 - EPA 5030B

LCS Dup (BE41522-BSD1)

Prepared: 05/28/2014 Analyzed: 05/29/2014

Chloroethane	55.2		ug/L	50.0		110	29-172			38.5	30	Non-dir.
Chloroform	60.9		"	50.0		122	77-124			16.9	30	
Chloromethane	41.0		"	50.0		82.1	37-131			42.5	30	Non-dir.
cis-1,2-Dichloroethylene	60.5		"	50.0		121	77-124			10.9	30	
cis-1,3-Dichloropropylene	44.1		"	50.0		88.1	81-117			13.4	30	
Dibromochloromethane	54.9		"	50.0		110	72-131			5.91	30	
Dibromomethane	48.4		"	50.0		96.8	85-116			7.91	30	
Dichlorodifluoromethane	50.2		"	50.0		100	47-152			44.5	30	Non-dir.
Ethyl Benzene	56.5		"	50.0		113	86-114			0.230	30	
Hexachlorobutadiene	63.6		"	50.0		127	68-139			9.63	30	
Isopropylbenzene	56.0		"	50.0		112	84-118			1.11	30	
Methyl tert-butyl ether (MTBE)	70.4		"	50.0		141	49-156			35.7	30	Non-dir.
Methylene chloride	60.2		"	50.0		120	51-145			25.9	30	
Naphthalene	59.3		"	50.0		119	67-141			8.20	30	
n-Butylbenzene	53.1		"	50.0		106	76-125			2.07	30	
n-Propylbenzene	56.2		"	50.0		112	84-118			2.93	30	
o-Xylene	54.3		"	50.0		109	85-114			4.10	30	
p- & m- Xylenes	123		"	100		123	84-117	High Bias		7.27	30	
p-Isopropyltoluene	57.8		"	50.0		116	84-121			4.66	30	
sec-Butylbenzene	56.3		"	50.0		113	85-119			1.02	30	
Styrene	55.1		"	50.0		110	77-126			2.15	30	
tert-Butylbenzene	55.2		"	50.0		110	83-119			1.62	30	
Tetrachloroethylene	55.8		"	50.0		112	75-129			3.76	30	
Toluene	47.8		"	50.0		95.6	86-113			10.3	30	
trans-1,2-Dichloroethylene	64.1		"	50.0		128	55-148			34.2	30	Non-dir.
trans-1,3-Dichloropropylene	47.1		"	50.0		94.2	77-120			2.10	30	
Trichloroethylene	53.9		"	50.0		108	85-115			3.59	30	
Trichlorofluoromethane	92.2		"	50.0		184	69-131	High Bias		46.8	30	Non-dir.
Vinyl Chloride	49.1		"	50.0		98.3	44-152			50.1	30	Non-dir.
Vinyl acetate	55.5		"	50.0		111	48-145			9.57	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>66.1</i>		<i>"</i>	<i>50.0</i>		<i>132</i>	<i>81-123</i>					
<i>Surrogate: p-Bromofluorobenzene</i>	<i>54.2</i>		<i>"</i>	<i>50.0</i>		<i>108</i>	<i>70-128</i>					
<i>Surrogate: Toluene-d8</i>	<i>49.1</i>		<i>"</i>	<i>50.0</i>		<i>98.2</i>	<i>88-114</i>					



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE41407 - EPA 3545A

Blank (BE41407-BLK1)

Prepared: 05/27/2014 Analyzed: 05/28/2014

Acenaphthene	ND	250	ug/kg wet								
Acenaphthylene	ND	250	"								
Aniline	ND	250	"								
Anthracene	ND	250	"								
Benzo(a)anthracene	ND	250	"								
Benzo(a)pyrene	ND	250	"								
Benzo(b)fluoranthene	ND	250	"								
Benzo(g,h,i)perylene	ND	250	"								
Benzo(k)fluoranthene	ND	250	"								
Benzyl alcohol	ND	250	"								
Benzyl butyl phthalate	ND	250	"								
4-Bromophenyl phenyl ether	ND	250	"								
4-Chloro-3-methylphenol	ND	250	"								
4-Chloroaniline	ND	250	"								
Bis(2-chloroethoxy)methane	ND	250	"								
Bis(2-chloroethyl)ether	ND	250	"								
Bis(2-chloroisopropyl)ether	ND	250	"								
2-Chloronaphthalene	ND	250	"								
2-Chlorophenol	ND	250	"								
4-Chlorophenyl phenyl ether	ND	250	"								
Chrysene	ND	250	"								
Dibenzo(a,h)anthracene	ND	250	"								
Dibenzofuran	ND	250	"								
Di-n-butyl phthalate	ND	250	"								
1,3-Dichlorobenzene	ND	250	"								
1,4-Dichlorobenzene	ND	250	"								
1,2-Dichlorobenzene	ND	250	"								
3,3'-Dichlorobenzidine	ND	500	"								
2,4-Dichlorophenol	ND	250	"								
Diethyl phthalate	ND	250	"								
2,4-Dimethylphenol	ND	250	"								
Dimethyl phthalate	ND	250	"								
4,6-Dinitro-2-methylphenol	ND	250	"								
2,4-Dinitrophenol	ND	500	"								
2,4-Dinitrotoluene	ND	250	"								
2,6-Dinitrotoluene	ND	250	"								
Di-n-octyl phthalate	ND	250	"								
Bis(2-ethylhexyl)phthalate	ND	250	"								
Fluoranthene	ND	250	"								
Fluorene	ND	250	"								
Hexachlorobenzene	ND	250	"								
Hexachlorobutadiene	ND	250	"								
Hexachlorocyclopentadiene	ND	250	"								
Hexachloroethane	ND	250	"								
Indeno(1,2,3-cd)pyrene	ND	250	"								
Isophorone	ND	250	"								
2-Methylnaphthalene	ND	250	"								
2-Methylphenol	ND	250	"								
3- & 4-Methylphenols	ND	250	"								
Naphthalene	ND	250	"								
3-Nitroaniline	ND	250	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	Limits	Flag	RPD	
		Limit			Result	%REC			RPD	Limit

Batch BE41407 - EPA 3545A

Blank (BE41407-BLK1)

Prepared: 05/27/2014 Analyzed: 05/28/2014

2-Nitroaniline	ND	250	ug/kg wet							
4-Nitroaniline	ND	250	"							
Nitrobenzene	ND	250	"							
2-Nitrophenol	ND	250	"							
4-Nitrophenol	ND	250	"							
N-nitroso-di-n-propylamine	ND	250	"							
N-Nitrosodimethylamine	ND	250	"							
N-Nitrosodiphenylamine	ND	250	"							
Pentachlorophenol	ND	250	"							
Phenanthrene	ND	250	"							
Phenol	ND	250	"							
Pyrene	ND	250	"							
Pyridine	ND	250	"							
1,2,4-Trichlorobenzene	ND	250	"							
2,4,6-Trichlorophenol	ND	250	"							
2,4,5-Trichlorophenol	ND	250	"							
<i>Surrogate: 2-Fluorophenol</i>	<i>1120</i>		<i>"</i>	<i>3750</i>		<i>30.0</i>	<i>10-105</i>			
<i>Surrogate: Phenol-d5</i>	<i>1050</i>		<i>"</i>	<i>3760</i>		<i>28.1</i>	<i>10-118</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>658</i>		<i>"</i>	<i>2510</i>		<i>26.2</i>	<i>10-140</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>836</i>		<i>"</i>	<i>2500</i>		<i>33.5</i>	<i>10-126</i>			
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>1500</i>		<i>"</i>	<i>3750</i>		<i>39.9</i>	<i>10-150</i>			
<i>Surrogate: Terphenyl-d14</i>	<i>1090</i>		<i>"</i>	<i>2510</i>		<i>43.5</i>	<i>10-137</i>			

LCS (BE41407-BS1)

Prepared: 05/27/2014 Analyzed: 05/29/2014

Acenaphthene	1490	250	ug/kg wet	2500		59.7	17-124			
Acenaphthylene	1420	250	"	2500		56.6	16-124			
Aniline	1200	250	"	2500		47.9	10-111			
Anthracene	1430	250	"	2500		57.2	24-124			
Benzo(a)anthracene	1460	250	"	2500		58.6	25-134			
Benzo(a)pyrene	1610	250	"	2500		64.3	29-144			
Benzo(b)fluoranthene	1290	250	"	2500		51.7	20-151			
Benzo(g,h,i)perylene	1030	250	"	2500		41.3	10-153			
Benzo(k)fluoranthene	1650	250	"	2500		66.0	10-148			
Benzyl alcohol	1240	250	"	2500		49.6	17-128			
Benzyl butyl phthalate	1010	250	"	2500		40.4	10-132			
4-Bromophenyl phenyl ether	1380	250	"	2500		55.4	30-138			
4-Chloro-3-methylphenol	1570	250	"	2500		62.7	16-138			
4-Chloroaniline	992	250	"	2500		39.7	10-117			
Bis(2-chloroethoxy)methane	1820	250	"	2500		72.7	10-129			
Bis(2-chloroethyl)ether	1400	250	"	2500		56.0	14-125			
Bis(2-chloroisopropyl)ether	1330	250	"	2500		53.2	14-122			
2-Chloronaphthalene	1390	250	"	2500		55.4	22-115			
2-Chlorophenol	1130	250	"	2500		45.1	25-121			
4-Chlorophenyl phenyl ether	1690	250	"	2500		67.6	18-132			
Chrysene	1290	250	"	2500		51.5	24-116			
Dibenzo(a,h)anthracene	1200	250	"	2500		47.9	17-147			
Dibenzofuran	1530	250	"	2500		61.1	23-123			
Di-n-butyl phthalate	1120	250	"	2500		44.7	19-123			
1,3-Dichlorobenzene	1240	250	"	2500		49.5	32-113			
1,4-Dichlorobenzene	1070	250	"	2500		42.7	28-111			
1,2-Dichlorobenzene	1260	250	"	2500		50.4	26-113			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE41407 - EPA 3545A

LCS (BE41407-BS1)

Prepared: 05/27/2014 Analyzed: 05/29/2014

3,3'-Dichlorobenzidine	1220	500	ug/kg wet	2500		48.9	10-147				
2,4-Dichlorophenol	1710	250	"	2500		68.4	23-133				
Diethyl phthalate	1270	250	"	2500		51.0	23-122				
2,4-Dimethylphenol	1750	250	"	2500		70.1	15-131				
Dimethyl phthalate	1400	250	"	2500		55.8	28-127				
4,6-Dinitro-2-methylphenol	570	250	"	2500		22.8	10-149				
2,4-Dinitrophenol	ND	500	"	2500			10-149	Low Bias			
2,4-Dinitrotoluene	1480	250	"	2500		59.1	30-123				
2,6-Dinitrotoluene	1480	250	"	2500		59.3	30-125				
Di-n-octyl phthalate	1120	250	"	2500		44.7	10-132				
Bis(2-ethylhexyl)phthalate	1020	250	"	2500		40.7	10-141				
Fluoranthene	1460	250	"	2500		58.2	36-125				
Fluorene	1530	250	"	2500		61.2	16-130				
Hexachlorobenzene	1080	250	"	2500		43.4	10-129				
Hexachlorobutadiene	2280	250	"	2500		91.4	22-153				
Hexachlorocyclopentadiene	ND	250	"	2500			10-134	Low Bias			
Hexachloroethane	1100	250	"	2500		44.1	20-112				
Indeno(1,2,3-cd)pyrene	1190	250	"	2500		47.6	10-155				
Isophorone	1820	250	"	2500		72.9	14-131				
2-Methylnaphthalene	1880	250	"	2500		75.1	16-127				
2-Methylphenol	1250	250	"	2500		49.9	10-146				
3- & 4-Methylphenols	1100	250	"	2500		44.1	20-109				
Naphthalene	1540	250	"	2500		61.7	20-121				
3-Nitroaniline	802	250	"	2500		32.1	23-123				
2-Nitroaniline	1130	250	"	2500		45.3	24-126				
4-Nitroaniline	672	250	"	2500		26.9	14-125				
Nitrobenzene	1780	250	"	2500		71.1	20-121				
2-Nitrophenol	1480	250	"	2500		59.2	17-129				
4-Nitrophenol	ND	250	"	2500			10-136	Low Bias			
N-nitroso-di-n-propylamine	1440	250	"	2500		57.7	21-119				
N-Nitrosodimethylamine	801	250	"	2500		32.0	10-124				
N-Nitrosodiphenylamine	1670	250	"	2500		66.7	10-163				
Pentachlorophenol	872	250	"	2500		34.9	10-143				
Phenanthrene	1450	250	"	2500		57.9	24-123				
Phenol	1380	250	"	2500		55.2	15-123				
Pyrene	1360	250	"	2500		54.2	24-132				
Pyridine	712	250	"	2500		28.5	10-92				
1,2,4-Trichlorobenzene	2130	250	"	2500		85.2	23-130				
2,4,6-Trichlorophenol	1440	250	"	2500		57.5	27-122				
2,4,5-Trichlorophenol	1490	250	"	2500		59.6	14-138				
Surrogate: 2-Fluorophenol	1290		"	3750		34.4	10-105				
Surrogate: Phenol-d5	2090		"	3760		55.5	10-118				
Surrogate: Nitrobenzene-d5	1760		"	2510		69.9	10-140				
Surrogate: 2-Fluorobiphenyl	1830		"	2500		73.3	10-126				
Surrogate: 2,4,6-Tribromophenol	2080		"	3750		55.4	30-130				
Surrogate: Terphenyl-d14	1500		"	2510		59.8	10-137				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE41407 - EPA 3545A											
LCS Dup (BE41407-BSD1)											
Prepared: 05/27/2014 Analyzed: 05/28/2014											
Acenaphthene	1490	250	ug/kg wet	2500		59.7	17-124		0.0335	30	
Acenaphthylene	1430	250	"	2500		57.0	16-124		0.669	30	
Aniline	594	250	"	2500		23.8	10-111		67.4	30	Non-dir.
Anthracene	1490	250	"	2500		59.7	24-124		4.38	30	
Benzo(a)anthracene	1420	250	"	2500		56.9	25-134		2.98	30	
Benzo(a)pyrene	1610	250	"	2500		64.5	29-144		0.280	30	
Benzo(b)fluoranthene	703	250	"	2500		28.1	20-151		59.0	30	Non-dir.
Benzo(g,h,i)perylene	748	250	"	2500		29.9	10-153		32.1	30	Non-dir.
Benzo(k)fluoranthene	1660	250	"	2500		66.2	10-148		0.393	30	
Benzyl alcohol	1120	250	"	2500		44.9	17-128		9.96	30	
Benzyl butyl phthalate	1280	250	"	2500		51.0	10-132		23.3	30	
4-Bromophenyl phenyl ether	1670	250	"	2500		67.0	30-138		18.9	30	
4-Chloro-3-methylphenol	1420	250	"	2500		57.0	16-138		9.49	30	
4-Chloroaniline	733	250	"	2500		29.3	10-117		30.1	30	Non-dir.
Bis(2-chloroethoxy)methane	1210	250	"	2500		48.3	10-129		40.2	30	Non-dir.
Bis(2-chloroethyl)ether	1480	250	"	2500		59.2	14-125		5.66	30	
Bis(2-chloroisopropyl)ether	1210	250	"	2500		48.4	14-122		9.41	30	
2-Chloronaphthalene	1450	250	"	2500		58.2	22-115		4.82	30	
2-Chlorophenol	1430	250	"	2500		57.0	25-121		23.4	30	
4-Chlorophenyl phenyl ether	1700	250	"	2500		68.2	18-132		0.855	30	
Chrysene	1460	250	"	2500		58.6	24-116		12.8	30	
Dibenzo(a,h)anthracene	992	250	"	2500		39.7	17-147		18.9	30	
Dibenzofuran	1490	250	"	2500		59.6	23-123		2.39	30	
Di-n-butyl phthalate	1330	250	"	2500		53.4	19-123		17.7	30	
1,3-Dichlorobenzene	1420	250	"	2500		57.0	32-113		14.1	30	
1,4-Dichlorobenzene	1390	250	"	2500		55.7	28-111		26.4	30	
1,2-Dichlorobenzene	1420	250	"	2500		56.6	26-113		11.7	30	
3,3'-Dichlorobenzidine	1790	500	"	2500		71.7	10-147		37.7	30	Non-dir.
2,4-Dichlorophenol	1600	250	"	2500		63.9	23-133		6.80	30	
Diethyl phthalate	1440	250	"	2500		57.6	23-122		12.3	30	
2,4-Dimethylphenol	1380	250	"	2500		55.2	15-131		23.8	30	
Dimethyl phthalate	1520	250	"	2500		60.6	28-127		8.28	30	
4,6-Dinitro-2-methylphenol	1270	250	"	2500		50.6	10-149		75.7	30	Non-dir.
2,4-Dinitrophenol	1270	500	"	2500		50.9	10-149		159	30	Non-dir.
2,4-Dinitrotoluene	1560	250	"	2500		62.5	30-123		5.46	30	
2,6-Dinitrotoluene	1580	250	"	2500		63.3	30-125		6.49	30	
Di-n-octyl phthalate	1730	250	"	2500		69.2	10-132		42.9	30	Non-dir.
Bis(2-ethylhexyl)phthalate	1460	250	"	2500		58.3	10-141		35.5	30	Non-dir.
Fluoranthene	1640	250	"	2500		65.7	36-125		12.0	30	
Fluorene	1560	250	"	2500		62.6	16-130		2.29	30	
Hexachlorobenzene	1390	250	"	2500		55.5	10-129		24.6	30	
Hexachlorobutadiene	1860	250	"	2500		74.3	22-153		20.6	30	
Hexachlorocyclopentadiene	720	250	"	2500		28.8	10-134		170	30	Non-dir.
Hexachloroethane	1380	250	"	2500		55.3	20-112		22.5	30	
Indeno(1,2,3-cd)pyrene	894	250	"	2500		35.8	10-155		28.3	30	
Isophorone	1200	250	"	2500		47.9	14-131		41.5	30	Non-dir.
2-Methylnaphthalene	1450	250	"	2500		58.1	16-127		25.6	30	
2-Methylphenol	1150	250	"	2500		46.1	10-146		8.08	30	
3- & 4-Methylphenols	1320	250	"	2500		52.7	20-109		17.8	30	
Naphthalene	1410	250	"	2500		56.3	20-121		9.16	30	
3-Nitroaniline	1310	250	"	2500		52.5	23-123		48.3	30	Non-dir.



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit			Result					RPD	Limit
Batch BE41407 - EPA 3545A											
LCS Dup (BE41407-BSD1)											
Prepared: 05/27/2014 Analyzed: 05/28/2014											
2-Nitroaniline	1350	250	ug/kg wet	2500		54.1	24-126			17.7	30
4-Nitroaniline	1280	250	"	2500		51.4	14-125			62.6	30 Non-dir.
Nitrobenzene	1270	250	"	2500		50.8	20-121			33.3	30 Non-dir.
2-Nitrophenol	1440	250	"	2500		57.6	17-129			2.67	30
4-Nitrophenol	976	250	"	2500		39.1	10-136			176	30 Non-dir.
N-nitroso-di-n-propylamine	1230	250	"	2500		49.1	21-119			16.2	30
N-Nitrosodimethylamine	1040	250	"	2500		41.7	10-124			26.1	30
N-Nitrosodiphenylamine	1680	250	"	2500		67.3	10-163			0.806	30
Pentachlorophenol	1850	250	"	2500		74.1	10-143			71.9	30 Non-dir.
Phenanthrene	1590	250	"	2500		63.8	24-123			9.70	30
Phenol	1260	250	"	2500		50.5	15-123			8.97	30
Pyrene	1570	250	"	2500		62.7	24-132			14.5	30
Pyridine	384	250	"	2500		15.3	10-92			60.0	30 Non-dir.
1,2,4-Trichlorobenzene	1540	250	"	2500		61.8	23-130			31.9	30 Non-dir.
2,4,6-Trichlorophenol	1620	250	"	2500		64.9	27-122			12.0	30
2,4,5-Trichlorophenol	1560	250	"	2500		62.3	14-138			4.43	30
<i>Surrogate: 2-Fluorophenol</i>	<i>2080</i>		<i>"</i>	<i>3750</i>		<i>55.4</i>	<i>10-105</i>				
<i>Surrogate: Phenol-d5</i>	<i>1880</i>		<i>"</i>	<i>3760</i>		<i>50.0</i>	<i>10-118</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>1230</i>		<i>"</i>	<i>2510</i>		<i>49.0</i>	<i>10-140</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1410</i>		<i>"</i>	<i>2500</i>		<i>56.3</i>	<i>10-126</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>2820</i>		<i>"</i>	<i>3750</i>		<i>75.1</i>	<i>30-130</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>1520</i>		<i>"</i>	<i>2510</i>		<i>60.4</i>	<i>10-137</i>				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit		Level	Result	%REC			Limit			

Batch BE41349 - EPA SW846-3510C Low Level

Blank (BE41349-BLK1)

Prepared: 05/27/2014 Analyzed: 05/28/2014

Toxaphene	ND	0.100	ug/L									
Methoxychlor	ND	0.00400	"									
Heptachlor epoxide	ND	0.00400	"									
Heptachlor	ND	0.00400	"									
gamma-BHC (Lindane)	ND	0.00400	"									
Endrin ketone	ND	0.0100	"									
Endrin aldehyde	ND	0.0100	"									
Endrin	ND	0.00400	"									
Endosulfan sulfate	ND	0.00400	"									
Endosulfan II	ND	0.00400	"									
Endosulfan I	ND	0.00400	"									
Dieldrin	ND	0.00200	"									
delta-BHC	ND	0.00400	"									
Chlordane, total	ND	0.0400	"									
beta-BHC	ND	0.00400	"									
alpha-BHC	ND	0.00400	"									
Aldrin	ND	0.00400	"									
4,4'-DDT	ND	0.00400	"									
4,4'-DDE	ND	0.00400	"									
4,4'-DDD	ND	0.00400	"									
Aroclor 1260	ND	0.0500	"									
Aroclor 1254	ND	0.0500	"									
Aroclor 1248	ND	0.0500	"									
Aroclor 1242	ND	0.0500	"									
Aroclor 1232	ND	0.0500	"									
Aroclor 1221	ND	0.0500	"									
Aroclor 1016	ND	0.0500	"									
Total PCBs	ND	0.0500	"									
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.0984</i>		<i>"</i>	<i>0.203</i>		<i>48.5</i>	<i>30-120</i>					
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.112</i>		<i>"</i>	<i>0.215</i>		<i>52.2</i>	<i>30-120</i>					



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE41349 - EPA SW846-3510C Low Level

LCS (BE41349-BS1)

Prepared: 05/27/2014 Analyzed: 05/28/2014

Methoxychlor	0.0574	0.00400	ug/L	0.100		57.4	40-120				
Heptachlor epoxide	0.0476	0.00400	"	0.100		47.6	40-120				
Heptachlor	0.0512	0.00400	"	0.100		51.2	40-120				
gamma-BHC (Lindane)	0.0472	0.00400	"	0.100		47.2	40-120				
Endrin ketone	0.0590	0.0100	"	0.100		59.0	40-120				
Endrin aldehyde	0.0548	0.0100	"	0.100		54.8	40-120				
Endrin	0.0514	0.00400	"	0.100		51.4	40-120				
Endosulfan sulfate	0.0525	0.00400	"	0.100		52.5	40-120				
Endosulfan II	0.0542	0.00400	"	0.100		54.2	40-120				
Endosulfan I	0.0498	0.00400	"	0.100		49.8	40-120				
Dieldrin	0.0460	0.00200	"	0.100		46.0	40-120				
delta-BHC	0.0408	0.00400	"	0.100		40.8	40-120				
beta-BHC	0.0510	0.00400	"	0.100		51.0	40-120				
alpha-BHC	0.0462	0.00400	"	0.100		46.2	40-120				
Aldrin	0.0417	0.00400	"	0.100		41.7	40-120				
4,4'-DDT	0.0515	0.00400	"	0.100		51.5	40-120				
4,4'-DDE	0.0425	0.00400	"	0.100		42.5	40-120				
4,4'-DDD	0.0537	0.00400	"	0.100		53.7	40-120				
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.0710</i>		<i>"</i>	<i>0.203</i>		<i>35.0</i>	<i>30-120</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0365</i>		<i>"</i>	<i>0.215</i>		<i>17.0</i>	<i>30-120</i>				

LCS (BE41349-BS2)

Prepared & Analyzed: 05/27/2014

Aroclor 1260	0.550	0.0500	ug/L	1.00		55.0	40-120				
Aroclor 1016	0.854	0.0500	"	1.00		85.4	40-120				
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.0870</i>		<i>"</i>	<i>0.203</i>		<i>42.9</i>	<i>30-120</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0370</i>		<i>"</i>	<i>0.215</i>		<i>17.2</i>	<i>30-120</i>				

LCS Dup (BE41349-BSD1)

Prepared: 05/27/2014 Analyzed: 05/28/2014

Methoxychlor	0.0579	0.00400	ug/L	0.100		57.9	40-120		1.01	30	
Heptachlor epoxide	0.0455	0.00400	"	0.100		45.5	40-120		4.46	30	
Heptachlor	0.0479	0.00400	"	0.100		47.9	40-120		6.53	30	
gamma-BHC (Lindane)	0.0483	0.00400	"	0.100		48.3	40-120		2.33	30	
Endrin ketone	0.0580	0.0100	"	0.100		58.0	40-120		1.75	30	
Endrin aldehyde	0.0537	0.0100	"	0.100		53.7	40-120		2.12	30	
Endrin	0.0503	0.00400	"	0.100		50.3	40-120		2.05	30	
Endosulfan sulfate	0.0519	0.00400	"	0.100		51.9	40-120		1.14	30	
Endosulfan II	0.0517	0.00400	"	0.100		51.7	40-120		4.85	30	
Endosulfan I	0.0473	0.00400	"	0.100		47.3	40-120		5.16	30	
Dieldrin	0.0432	0.00200	"	0.100		43.2	40-120		6.12	30	
delta-BHC	0.0375	0.00400	"	0.100		37.5	40-120	Low Bias	8.25	30	
beta-BHC	0.0584	0.00400	"	0.100		58.4	40-120		13.5	30	
alpha-BHC	0.0481	0.00400	"	0.100		48.1	40-120		3.98	30	
Aldrin	0.0388	0.00400	"	0.100		38.8	40-120	Low Bias	7.20	30	
4,4'-DDT	0.0515	0.00400	"	0.100		51.5	40-120		0.0777	30	
4,4'-DDE	0.0424	0.00400	"	0.100		42.4	40-120		0.309	30	
4,4'-DDD	0.0522	0.00400	"	0.100		52.2	40-120		2.69	30	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.0686</i>		<i>"</i>	<i>0.203</i>		<i>33.8</i>	<i>30-120</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0339</i>		<i>"</i>	<i>0.215</i>		<i>15.8</i>	<i>30-120</i>				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit		Level	Result	%REC			Limit			

Batch BE41408 - EPA 3550C

Blank (BE41408-BLK1)

Prepared: 05/27/2014 Analyzed: 05/28/2014

Toxaphene	ND	16.7	ug/kg wet									
Methoxychlor	ND	1.65	"									
Heptachlor epoxide	ND	0.330	"									
Heptachlor	ND	0.330	"									
gamma-BHC (Lindane)	ND	0.330	"									
Endrin ketone	ND	0.330	"									
Endrin aldehyde	ND	0.330	"									
Endrin	ND	0.330	"									
Endosulfan sulfate	ND	0.330	"									
Endosulfan II	ND	0.330	"									
Endosulfan I	ND	0.330	"									
Dieldrin	ND	0.330	"									
delta-BHC	ND	0.330	"									
Chlordane, total	ND	1.32	"									
beta-BHC	ND	0.330	"									
alpha-BHC	ND	0.330	"									
Aldrin	ND	0.330	"									
4,4'-DDT	ND	0.330	"									
4,4'-DDE	ND	0.330	"									
4,4'-DDD	ND	0.330	"									
Aroclor 1260	ND	17.0	"									
Aroclor 1254	ND	17.0	"									
Aroclor 1248	ND	17.0	"									
Aroclor 1242	ND	17.0	"									
Aroclor 1232	ND	17.0	"									
Aroclor 1221	ND	17.0	"									
Aroclor 1016	ND	17.0	"									
Total PCBs	ND	17.0	"									
<i>Surrogate: Tetrachloro-m-xylene</i>	55.0		"	67.7		81.2	30-140					
<i>Surrogate: Decachlorobiphenyl</i>	39.9		"	71.7		55.7	30-140					



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE41408 - EPA 3550C

LCS (BE41408-BS1)

Prepared: 05/27/2014 Analyzed: 05/28/2014

Methoxychlor	24.9	1.65	ug/kg wet	33.3		74.8	40-140				
Heptachlor epoxide	23.6	0.330	"	33.3		70.7	40-140				
Heptachlor	25.2	0.330	"	33.3		75.6	40-140				
gamma-BHC (Lindane)	25.3	0.330	"	33.3		76.0	40-140				
Endrin ketone	22.4	0.330	"	33.3		67.2	40-140				
Endrin aldehyde	21.1	0.330	"	33.3		63.3	40-140				
Endrin	24.6	0.330	"	33.3		73.9	40-140				
Endosulfan sulfate	23.3	0.330	"	33.3		69.8	40-140				
Endosulfan II	23.1	0.330	"	33.3		69.4	40-140				
Endosulfan I	24.4	0.330	"	33.3		73.2	40-140				
Dieldrin	24.1	0.330	"	33.3		72.2	40-140				
delta-BHC	27.7	0.330	"	33.3		83.0	40-140				
beta-BHC	26.3	0.330	"	33.3		78.8	40-140				
alpha-BHC	26.7	0.330	"	33.3		80.2	40-140				
Aldrin	23.5	0.330	"	33.3		70.4	40-140				
4,4'-DDT	27.2	0.330	"	33.3		81.6	40-140				
4,4'-DDE	23.1	0.330	"	33.3		69.2	40-140				
4,4'-DDD	24.2	0.330	"	33.3		72.6	40-140				
<i>Surrogate: Tetrachloro-m-xylene</i>	54.6		"	67.7		80.7	30-140				
<i>Surrogate: Decachlorobiphenyl</i>	42.0		"	71.7		58.6	30-140				

LCS (BE41408-BS2)

Prepared: 05/27/2014 Analyzed: 05/28/2014

Aroclor 1260	313	17.0	ug/kg wet	333		94.0	40-130				
Aroclor 1016	333	17.0	"	333		99.8	40-130				
<i>Surrogate: Tetrachloro-m-xylene</i>	61.7		"	67.7		91.1	30-140				
<i>Surrogate: Decachlorobiphenyl</i>	52.7		"	71.7		73.5	30-140				

LCS Dup (BE41408-BSD1)

Prepared: 05/27/2014 Analyzed: 05/28/2014

Methoxychlor	22.7	1.65	ug/kg wet	33.3		68.2	40-140	9.27	30		
Heptachlor epoxide	23.3	0.330	"	33.3		70.0	40-140	1.08	30		
Heptachlor	24.6	0.330	"	33.3		73.7	40-140	2.47	30		
gamma-BHC (Lindane)	24.7	0.330	"	33.3		74.2	40-140	2.33	30		
Endrin ketone	20.9	0.330	"	33.3		62.8	40-140	6.78	30		
Endrin aldehyde	19.5	0.330	"	33.3		58.5	40-140	7.93	30		
Endrin	23.5	0.330	"	33.3		70.5	40-140	4.82	30		
Endosulfan sulfate	21.7	0.330	"	33.3		65.2	40-140	6.86	30		
Endosulfan II	22.1	0.330	"	33.3		66.2	40-140	4.72	30		
Endosulfan I	24.0	0.330	"	33.3		71.9	40-140	1.79	30		
Dieldrin	23.3	0.330	"	33.3		69.9	40-140	3.19	30		
delta-BHC	26.8	0.330	"	33.3		80.3	40-140	3.32	30		
beta-BHC	26.0	0.330	"	33.3		77.9	40-140	1.20	30		
alpha-BHC	26.3	0.330	"	33.3		79.0	40-140	1.62	30		
Aldrin	23.2	0.330	"	33.3		69.5	40-140	1.37	30		
4,4'-DDT	25.3	0.330	"	33.3		75.8	40-140	7.35	30		
4,4'-DDE	21.9	0.330	"	33.3		65.6	40-140	5.48	30		
4,4'-DDD	22.9	0.330	"	33.3		68.8	40-140	5.32	30		
<i>Surrogate: Tetrachloro-m-xylene</i>	63.3		"	67.7		93.5	30-140				
<i>Surrogate: Decachlorobiphenyl</i>	36.1		"	71.7		50.4	30-140				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE41408 - EPA 3550C											
LCS Dup (BE41408-BSD2)											
						Prepared: 05/27/2014 Analyzed: 05/28/2014					
Aroclor 1260	329	17.0	ug/kg wet	333		98.7	40-130		4.88	25	
Aroclor 1016	346	17.0	"	333		104	40-130		4.03	25	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>65.0</i>		<i>"</i>	<i>67.7</i>		<i>96.1</i>	<i>30-140</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>56.0</i>		<i>"</i>	<i>71.7</i>		<i>78.1</i>	<i>30-140</i>				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE41423 - EPA 3050B

Blank (BE41423-BLK1)

Prepared & Analyzed: 05/27/2014

Aluminum	ND	1.00	mg/kg wet								
Antimony	ND	0.500	"								
Arsenic	ND	1.00	"								
Barium	ND	1.00	"								
Beryllium	ND	0.100	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.500	"								
Copper	ND	0.500	"								
Iron	ND	2.00	"								
Lead	ND	0.300	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	0.500	"								
Potassium	ND	5.00	"								
Selenium	ND	1.00	"								
Silver	ND	0.500	"								
Sodium	ND	10.0	"								
Thallium	ND	1.00	"								
Vanadium	ND	1.00	"								
Zinc	ND	1.00	"								

Reference (BE41423-SRM1)

Prepared & Analyzed: 05/27/2014

Aluminum	7320	1.00	mg/kg wet	8840		82.8	42-158				
Antimony	99.5	0.500	"	88.2		113	26.3-289				
Arsenic	88.6	1.00	"	99.6		88.9	69.3-131				
Barium	286	1.00	"	310		92.4	74.2-126				
Beryllium	64.0	0.100	"	72.3		88.5	73.8-126				
Cadmium	155	0.300	"	182		84.9	73.6-126				
Calcium	5690	5.00	"	6790		83.8	74.2-126				
Chromium	121	0.500	"	136		88.6	70.4-130				
Cobalt	113	0.500	"	128		88.6	74.1-125				
Copper	95.7	0.500	"	102		93.8	74.3-126				
Iron	11600	2.00	"	12600		91.7	31-168				
Lead	99.0	0.300	"	115		86.1	72.1-129				
Magnesium	2690	5.00	"	3010		89.4	66.1-134				
Manganese	289	0.500	"	323		89.5	74.9-125				
Nickel	146	0.500	"	153		95.3	73.2-126				
Potassium	2390	5.00	"	2840		84.2	62-138				
Selenium	135	1.00	"	150		89.8	67.3-133				
Silver	32.2	0.500	"	40.4		79.6	65.8-134				
Sodium	2420	10.0	"	2760		87.8	65.9-134				
Thallium	150	1.00	"	174		86.5	69-132				
Vanadium	88.5	1.00	"	97.6		90.7	65.2-135				
Zinc	137	1.00	"	161		84.9	68.3-132				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit								RPD	Limit

Batch BE41475 - EPA 3010A

Blank (BE41475-BLK1)

Prepared & Analyzed: 05/28/2014

Aluminum	ND	0.010	mg/L								
Antimony	ND	0.005	"								
Arsenic	ND	0.004	"								
Barium	ND	0.010	"								
Beryllium	ND	0.001	"								
Cadmium	ND	0.003	"								
Calcium	ND	0.050	"								
Chromium	ND	0.005	"								
Cobalt	ND	0.005	"								
Copper	ND	0.003	"								
Iron	ND	0.020	"								
Lead	ND	0.003	"								
Magnesium	ND	0.050	"								
Manganese	ND	0.005	"								
Nickel	ND	0.005	"								
Potassium	ND	0.050	"								
Selenium	ND	0.010	"								
Silver	ND	0.005	"								
Sodium	ND	0.100	"								
Thallium	ND	0.005	"								
Vanadium	ND	0.010	"								
Zinc	ND	0.010	"								

Reference (BE41475-SRM1)

Prepared & Analyzed: 05/28/2014

Aluminum	2.89	0.010	mg/L	3.16	91.6	82.9-116
Antimony	0.636	0.005	"	0.687	92.6	70.6-120
Arsenic	0.218	0.004	"	0.243	89.9	82.7-118
Barium	1.99	0.010	"	1.99	100	86.9-113
Beryllium	0.441	0.001	"	0.487	90.6	85-113
Cadmium	0.185	0.003	"	0.198	93.6	84.8-114
Chromium	0.737	0.005	"	0.780	94.5	87.2-113
Cobalt	0.201	0.005	"	0.198	102	87.4-113
Copper	0.163	0.003	"	0.170	96.0	89.4-111
Iron	0.320	0.020	"	0.322	99.3	87.3-115
Lead	0.205	0.003	"	0.213	96.2	85-115
Manganese	1.61	0.005	"	1.64	98.4	89.6-111
Nickel	1.48	0.005	"	1.58	93.8	89.9-111
Selenium	1.16	0.010	"	1.28	90.6	79.6-116
Silver	0.437	0.005	"	0.477	91.7	85.7-114
Thallium	0.404	0.005	"	0.409	98.8	79-121
Vanadium	0.460	0.010	"	0.502	91.6	87.5-112
Zinc	1.30	0.010	"	1.40	92.8	85.7-114



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE41475 - EPA 3010A

Reference (BE41475-SRM2)

Prepared & Analyzed: 05/28/2014

Calcium	62.4	0.050	mg/L	62.7		99.6	86-114				
Magnesium	28.9	0.050	"	29.0		99.6	86.2-114				
Potassium	33.0	0.050	"	32.4		102	85.2-115				
Sodium	84.4	0.100	"	85.1		99.1	85-115				



Mercury by EPA 7000/200 Series Methods - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE41538 - EPA SW846-7471											
Blank (BE41538-BLK1)										Prepared & Analyzed: 05/29/2014	
Mercury	ND	0.0330	mg/kg wet								
Duplicate (BE41538-DUP1)										*Source sample: 14E0970-01 (SP-1 0-2') Prepared & Analyzed: 05/29/2014	
Mercury	ND	0.0341	mg/kg dry		ND						35
Matrix Spike (BE41538-MS1)										*Source sample: 14E0970-01 (SP-1 0-2') Prepared & Analyzed: 05/29/2014	
Mercury	0.372	0.0341	mg/kg dry	0.345	ND	108	75-125				
Reference (BE41538-SRM1)										Prepared & Analyzed: 05/29/2014	
Mercury	3.22	0.330	mg/kg wet	3.73		86.4	68.6-131				
Batch BE41543 - EPA SW846-7470											
Blank (BE41543-BLK1)										Prepared & Analyzed: 05/29/2014	
Mercury	ND	0.0002	mg/L								
Blank (BE41543-BLK2)										Prepared & Analyzed: 05/29/2014	
Mercury	ND	0.0002	mg/L								
LCS (BE41543-BS1)										Prepared & Analyzed: 05/29/2014	
Mercury	ND	0.0002	mg/L	0.00200			80-120	Low Bias			
LCS (BE41543-BS2)										Prepared & Analyzed: 05/29/2014	
Mercury	ND	0.0002	mg/L	0.00200			80-120	Low Bias			



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE41355 - Analysis Preparation											
Blank (BE41355-BLK1)										Prepared & Analyzed: 05/22/2014	
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BE41355-BS1)										Prepared & Analyzed: 05/22/2014	
Chromium, Hexavalent	0.500	0.0100	mg/L	0.500		100	80-120				
Batch BE41532 - EPA SW846-3060											
Blank (BE41532-BLK1)										Prepared & Analyzed: 05/29/2014	
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Reference (BE41532-SRM1)										Prepared & Analyzed: 05/29/2014	
Chromium, Hexavalent	115		mg/L	125		92.0	20.2-180				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14E0970-01	SP-1 0-2'	40mL Vial with Stir Bar-Cool 4° C
14E0970-02	SP-2 0-2'	40mL Vial with Stir Bar-Cool 4° C
14E0970-03	SP-3 0-2'	40mL Vial with Stir Bar-Cool 4° C
14E0970-04	SP-4 0-2'	40mL Vial with Stir Bar-Cool 4° C
14E0970-05	SP-5 0-2'	40mL Vial with Stir Bar-Cool 4° C
14E0970-06	Field Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14E0970-07	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Notes and Definitions

S-HI	Surrogate recovery is above acceptance limits. No target compound is detected in sample.
S-AC	Acid surrogate recovery outside of control limits. The data was accepted based on valid recovery of remaining two acid surrogates.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-CCVO	CCV Out. Samples bracketed by acceptable CCVs.
M-ACCB	Analyte in CCB. Run is bracketed by acceptable CCBs.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
HT-02	NON-COMPLIANT-This sample was received outside the EPA recommended holding time.
GC-Surr	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the alternate surrogate.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.
<hr/>	
*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.



If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.



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FAX (203) 357-0166

Field Chain-of-Custody Record

Page 1 of 1
York Project No. 14E0970

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

YOUR INFORMATION Company: <u>Hydro Tech Environmental</u> Address: <u>15000 N Ave 2nd Fl</u> <u>Brooklyn, NY 11225</u> Phone No. <u>(718) 636-0600</u> Contact Person: <u>Peter Melli</u> E-Mail Address: <u>pmelli@hydrotechenv.com</u>		Report To: Company: <u>SAME</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		Invoice To: Company: <u>Hydro Tech Enviro</u> Address: <u>77 Arty Drive Suite 6</u> <u>Brooklyn, NY</u> Phone No. <u>(631) 462-5826</u> Attention: <u>MUSUMBA WARD</u> E-Mail Address: <u>mwward@hydrotech.com</u>		YOUR PROJECT ID <u>140701</u> <u>531-SS1 Waverly</u> <u>Brooklyn, NY</u> Purchase Order No. _____		Turn-Around Time <input type="checkbox"/> RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input checked="" type="checkbox"/> RUSH - Four Day Standard (5-7 Days) <input type="checkbox"/>		Report Type <input checked="" type="checkbox"/> Summary Report <input type="checkbox"/> Summary w/ QA Summary <input type="checkbox"/> CT RCP Package <input type="checkbox"/> CTRCP DQA/DUE Pkg <input type="checkbox"/> NY ASP A Package <input type="checkbox"/> NY ASP B Package <input type="checkbox"/> NJDEP Red. Deliv. <u>Electronic Data Deliverables (E:DD)</u> <input type="checkbox"/> Simple Execel <input type="checkbox"/> NYSDEC EQUIS <input type="checkbox"/> EQUIS (std) <input type="checkbox"/> EZ-EDD (EQUIS) <input type="checkbox"/> NJDEP SRP HazSite EDD <input type="checkbox"/> GIS/KEY (std) <input type="checkbox"/> Other <input type="checkbox"/> York Regulatory Comparison <input type="checkbox"/> Excel Spreadsheet Compare to the following Regs. (please fill in): <u>USCO</u> <u>RSCO</u>	
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Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Morgan Violet
 Samples Collected/Authorized By (Signature)
Morgan Violet
 Name (printed)

Matrix Codes	Volatiles	Semi-Vols.	Metals	Misc. Org.	Full Lists	Misc.
S - soil Other - specify (oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor	8260 full TICs Site Spec. STARS list Nassau Co. Suffolk Co. BTEX MITBE Ketones Oxygenates TCLP list TCLP list TCLP list Arom. only Halog. only App. IX list 8021B list	8270 or 625 STARS list BN Only Acids Only PAH list TAGM list CT RCP list TCL list NIDEP list App. IX TCLP BNA SPLP/TCLP	RCRA8 EPI3 list TAL CT15 list TAGM list NIDEP list Total Dissolved SPLP/TCLP Herb Chloridane Inch. Metals LIST Below	TPH GRO TPH DRO CT ETPH NY 310-13 TPH 1664 Air TO14A Air TO15 Air STARS SPLP/TCLP Air VPH Air TICs Methane Helium	Pri. Poll. TCL Ogras TAL MetCN Full TCLP Full App. IX Part 360-Resid Part 360-Resid Part 360-Resid Part 360-Resid NYCDEP Sewer NYCDEP Sewer NYCDEP Sewer TAGM	Comsivity Reactivity Ignitability Flash Point Sieve Anal. Heteroatoms TOX BTU/lb. Aquatic Tox. TOC Asbestos Silica

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
SP-1 0.2'	5-21-14	S	EPA 8160 / EPA 8170 SWA / EPA 8091 / 8082 / TAPM	Triglore, 14oz clear jar
SP-2 0.2'	5-21-14	S		
SP-3 0.2'	5-21-14	S		
SP-4 0.2'	5-21-14	S		
SP-5 0.2'	5-21-14	S		
Field Blank	5-21-14	FB		
Trip Blank	5/11/14	TB		

Comments: TAL Metach to
in back Hex Chromin

4°C	Frozen	HCl	ZnAc	MeOH	Ascorbic Acid	HNO ₃	H ₂ O ₂	NaOH	Temperature on Receipt
									<u>4.0 °C</u>
Check these Applicable Special Instructions					Samples Relinquished By				
Field Filtered <input type="checkbox"/>					Date/Time <u>5/22/14 18:45</u>				
Lab to Filter <input type="checkbox"/>					Samples Received in LAB by <u>Trace</u> Date/Time <u>5/22/14 18:45</u>				



Technical Report

prepared for:

Hydro Tech Environmental (Brooklyn)

15 Ocean Avenue

Brooklyn NY, 11225

Attention: Paul Matli

Report Date: 06/02/2014

Client Project ID: 551 Waverly Ave Brooklyn NY

York Project (SDG) No.: 14E1029

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Hydro Tech Environmental (Brooklyn)

15 Ocean Avenue
Brooklyn NY, 11225
Attention: Paul Matli

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on May 27, 2014 and listed below. The project was identified as your project: **551 Waverly Ave Brooklyn NY**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
14E1029-01	SP-6 (2'-4')	Soil	05/23/2014	05/27/2014
14E1029-02	SP-6 (8'-10')	Soil	05/23/2014	05/27/2014
14E1029-03	SP-7 (2'-4')	Soil	05/23/2014	05/27/2014
14E1029-04	SP-7 (10'-12')	Soil	05/23/2014	05/27/2014

General Notes for York Project (SDG) No.: 14E1029

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 06/02/2014





Sample Information

Client Sample ID: SP-6 (2'-4')

York Sample ID: 14E1029-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E1029

551 Waverly Ave Brooklyn NY

Soil

May 23, 2014 3:00 pm

05/27/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	60	120	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
78-93-3	2-Butanone	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
67-64-1	Acetone	35		ug/kg dry	3.0	12	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
71-43-2	Benzene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
108-86-1	Bromobenzene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
75-25-2	Bromoform	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS



Sample Information

Client Sample ID: SP-6 (2'-4')

York Sample ID: 14E1029-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E1029

551 Waverly Ave Brooklyn NY

Soil

May 23, 2014 3:00 pm

05/27/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
75-00-3	Chloroethane	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
67-66-3	Chloroform	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
74-87-3	Chloromethane	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
75-09-2	Methylene chloride	6.8	J, B	ug/kg dry	3.0	12	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
91-20-3	Naphthalene	ND		ug/kg dry	3.0	12	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
95-47-6	o-Xylene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	6.0	12	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
100-42-5	Styrene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
108-88-3	Toluene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.9	18	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	3.0	6.0	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:01	SS

Surrogate Recoveries

Result

Acceptance Range

17060-07-0	Surrogate: 1,2-Dichloroethane-d4	95.0 %
460-00-4	Surrogate: p-Bromofluorobenzene	100 %
2037-26-5	Surrogate: Toluene-d8	103 %



Sample Information

Client Sample ID: SP-6 (2'-4')

York Sample ID: 14E1029-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E1029

551 Waverly Ave Brooklyn NY

Soil

May 23, 2014 3:00 pm

05/27/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
62-53-3	Aniline	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
120-12-7	Anthracene	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
56-55-3	Benzo(a)anthracene	1030	J	ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
50-32-8	Benzo(a)pyrene	693	J	ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
205-99-2	Benzo(b)fluoranthene	524	J	ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	904	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
207-08-9	Benzo(k)fluoranthene	790	J	ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	904	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	904	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	904	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
218-01-9	Chrysene	1210	J	ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	1800	3590	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	904	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	904	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	1800	3590	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	904	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR



Sample Information

Client Sample ID: SP-6 (2'-4')

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551 Waverly Ave Brooklyn NY

Soil

May 23, 2014 3:00 pm

05/27/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
206-44-0	Fluoranthene	2420		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
86-73-7	Fluorene	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	904	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
78-59-1	Isophorone	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	904	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	904	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
91-20-3	Naphthalene	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	904	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	904	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	904	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	904	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	904	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
85-01-8	Phenanthrene	2390		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
108-95-2	Phenol	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
129-00-0	Pyrene	2650		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
110-86-1	Pyridine	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	452	1790	10	EPA 8270D	05/30/2014 05:29	06/02/2014 11:23	SR

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	%	S-06	10-105
4165-62-2	Surrogate: Phenol-d5	6.39 %	S-06	10-118
4165-60-0	Surrogate: Nitrobenzene-d5	24.5 %		10-140



Sample Information

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551 Waverly Ave Brooklyn NY

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May 23, 2014 3:00 pm

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Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	Surrogate: 2-Fluorobiphenyl	54.2 %			10-126						
5175-83-7	Surrogate: 2,4,6-Tribromophenol	7.07 %	S-06		10-150						
1718-51-0	Surrogate: Terphenyl-d14	73.5 %			10-137						

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	89.9	89.9	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 16:50	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.88	8.88	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 16:50	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.78	1.78	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 16:50	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.78	1.78	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 16:50	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.78	1.78	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 16:50	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.78	1.78	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 16:50	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.78	1.78	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 16:50	JW
72-20-8	Endrin	ND		ug/kg dry	1.78	1.78	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 16:50	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.78	1.78	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 16:50	JW
33213-65-9	* Endosulfan II	ND		ug/kg dry	1.78	1.78	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 16:50	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.78	1.78	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 16:50	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.78	1.78	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 16:50	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.78	1.78	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 16:50	JW
57-74-9	Chlordane, total	ND		ug/kg dry	7.11	7.11	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 16:50	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.78	1.78	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 16:50	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.78	1.78	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 16:50	JW
309-00-2	Aldrin	ND		ug/kg dry	1.78	1.78	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 16:50	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.78	1.78	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 16:50	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.78	1.78	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 16:50	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.78	1.78	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 16:50	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	18.3	18.3	1	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 18:46	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	18.3	18.3	1	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 18:46	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	18.3	18.3	1	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 18:46	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	18.3	18.3	1	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 18:46	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	18.3	18.3	1	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 18:46	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	18.3	18.3	1	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 18:46	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	18.3	18.3	1	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 18:46	JW
1336-36-3	* Total PCBs	ND		ug/kg dry	7.32	18.3	1	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 18:46	JW



Sample Information

Client Sample ID: SP-6 (2'-4')

York Sample ID: 14E1029-01

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551 Waverly Ave Brooklyn NY

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Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	72.8 %			1.08	1.08	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:40	MW
2051-24-3	Surrogate: Decachlorobiphenyl	50.3 %			1.08	1.08	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:40	MW

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8420	B	mg/kg dry	1.08	1.08	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:40	MW
7440-36-0	Antimony	ND		mg/kg dry	0.538	0.538	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:40	MW
7440-38-2	Arsenic	3.85		mg/kg dry	1.08	1.08	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:40	MW
7440-39-3	Barium	91.3		mg/kg dry	1.08	1.08	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:40	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.108	0.108	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:40	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.323	0.323	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:40	MW
7440-70-2	Calcium	5320		mg/kg dry	0.538	5.38	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:40	MW
7440-47-3	Chromium	12.5		mg/kg dry	0.538	0.538	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:40	MW
7440-48-4	Cobalt	5.76		mg/kg dry	0.538	0.538	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:40	MW
7440-50-8	Copper	22.8		mg/kg dry	0.538	0.538	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:40	MW
7439-89-6	Iron	13800		mg/kg dry	2.15	2.15	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:40	MW
7439-92-1	Lead	63.0		mg/kg dry	0.323	0.323	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:40	MW
7439-95-4	Magnesium	2030		mg/kg dry	5.38	5.38	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:40	MW
7439-96-5	Manganese	278		mg/kg dry	0.538	0.538	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:40	MW
7440-02-0	Nickel	17.2		mg/kg dry	0.538	0.538	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:40	MW
7440-09-7	Potassium	918		mg/kg dry	5.38	5.38	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:40	MW
7782-49-2	Selenium	ND		mg/kg dry	1.08	1.08	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:40	MW
7440-22-4	Silver	ND		mg/kg dry	0.538	0.538	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:40	MW
7440-23-5	Sodium	1550		mg/kg dry	10.8	10.8	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:40	MW
7440-28-0	Thallium	ND		mg/kg dry	1.08	1.08	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:40	MW
7440-62-2	Vanadium	19.6		mg/kg dry	1.08	1.08	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:40	MW
7440-66-6	Zinc	78.8		mg/kg dry	1.08	1.08	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:40	MW



Sample Information

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Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0355	0.0355	1	EPA 7471B	05/30/2014 10:54	05/30/2014 11:20	AA

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	92.9		%	0.100	0.100	1	SM 2540G	05/29/2014 13:02	06/02/2014 15:14	KK

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.377	0.538	1	EPA 7196A	06/02/2014 07:52	06/02/2014 14:45	SC

Sample Information

Client Sample ID: SP-6 (8'-10')

York Sample ID: 14E1029-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

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Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS



Sample Information

Client Sample ID: SP-6 (8'-10')

York Sample ID: 14E1029-02

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Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	56	110	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
67-64-1	Acetone	7.3	J	ug/kg dry	2.8	11	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
71-43-2	Benzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
108-86-1	Bromobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
75-25-2	Bromoform	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
67-66-3	Chloroform	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS



Sample Information

Client Sample ID: SP-6 (8'-10')

York Sample ID: 14E1029-02

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Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
75-09-2	Methylene chloride	6.0	J, B	ug/kg dry	2.8	11	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.8	11	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.6	11	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
100-42-5	Styrene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
108-88-3	Toluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.3	17	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:30	SS
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	99.1 %			67-130						
460-00-4	Surrogate: p-Bromofluorobenzene	97.7 %			75-127						
2037-26-5	Surrogate: Toluene-d8	96.5 %			90-112						

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
62-53-3	Aniline	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
120-12-7	Anthracene	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR



Sample Information

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Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	89.0	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	89.0	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	89.0	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	89.0	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
218-01-9	Chrysene	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	177	353	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	89.0	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	89.0	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	177	353	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	89.0	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
206-44-0	Fluoranthene	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
86-73-7	Fluorene	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	89.0	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR



Sample Information

Client Sample ID: SP-6 (8'-10')

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Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
78-59-1	Isophorone	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	89.0	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	89.0	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
91-20-3	Naphthalene	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	89.0	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	89.0	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	89.0	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	89.0	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	89.0	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
85-01-8	Phenanthrene	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
108-95-2	Phenol	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
129-00-0	Pyrene	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
110-86-1	Pyridine	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	44.5	177	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:01	SR
	Surrogate Recoveries	Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	62.3 %			10-105						
4165-62-2	Surrogate: Phenol-d5	55.0 %			10-118						
4165-60-0	Surrogate: Nitrobenzene-d5	69.7 %			10-140						
321-60-8	Surrogate: 2-Fluorobiphenyl	72.7 %			10-126						
5175-83-7	Surrogate: 2,4,6-Tribromophenol	62.6 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	105 %			10-137						



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May 23, 2014 3:00 pm

05/27/2014

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	88.4	88.4	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:22	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.74	8.74	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:22	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.75	1.75	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:22	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.75	1.75	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:22	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.75	1.75	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:22	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.75	1.75	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:22	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.75	1.75	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:22	JW
72-20-8	Endrin	ND		ug/kg dry	1.75	1.75	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:22	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.75	1.75	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:22	JW
33213-65-9	* Endosulfan II	ND		ug/kg dry	1.75	1.75	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:22	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.75	1.75	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:22	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.75	1.75	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:22	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.75	1.75	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:22	JW
57-74-9	Chlordane, total	ND		ug/kg dry	6.99	6.99	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:22	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.75	1.75	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:22	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.75	1.75	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:22	JW
309-00-2	Aldrin	ND		ug/kg dry	1.75	1.75	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:22	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.75	1.75	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:22	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.75	1.75	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:22	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.75	1.75	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:22	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	18.0	18.0	1	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 19:44	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	18.0	18.0	1	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 19:44	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	18.0	18.0	1	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 19:44	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	18.0	18.0	1	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 19:44	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	18.0	18.0	1	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 19:44	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	18.0	18.0	1	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 19:44	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	18.0	18.0	1	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 19:44	JW
1336-36-3	* Total PCBs	ND		ug/kg dry	7.20	18.0	1	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 19:44	JW
	Surrogate Recoveries	Result		Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	79.1 %		30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	49.4 %		30-140							



Sample Information

Client Sample ID: SP-6 (8'-10')

York Sample ID: 14E1029-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E1029

551 Waverly Ave Brooklyn NY

Soil

May 23, 2014 3:00 pm

05/27/2014

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	11800	B	mg/kg dry	1.06	1.06	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:45	MW
7440-36-0	Antimony	ND		mg/kg dry	0.530	0.530	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:45	MW
7440-38-2	Arsenic	3.50		mg/kg dry	1.06	1.06	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:45	MW
7440-39-3	Barium	56.8		mg/kg dry	1.06	1.06	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:45	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.106	0.106	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:45	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.318	0.318	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:45	MW
7440-70-2	Calcium	944		mg/kg dry	0.530	5.30	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:45	MW
7440-47-3	Chromium	14.0		mg/kg dry	0.530	0.530	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:45	MW
7440-48-4	Cobalt	7.61		mg/kg dry	0.530	0.530	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:45	MW
7440-50-8	Copper	13.1		mg/kg dry	0.530	0.530	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:45	MW
7439-89-6	Iron	16100		mg/kg dry	2.12	2.12	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:45	MW
7439-92-1	Lead	34.8		mg/kg dry	0.318	0.318	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:45	MW
7439-95-4	Magnesium	1830		mg/kg dry	5.30	5.30	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:45	MW
7439-96-5	Manganese	300		mg/kg dry	0.530	0.530	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:45	MW
7440-02-0	Nickel	14.1		mg/kg dry	0.530	0.530	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:45	MW
7440-09-7	Potassium	707		mg/kg dry	5.30	5.30	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:45	MW
7782-49-2	Selenium	1.54		mg/kg dry	1.06	1.06	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:45	MW
7440-22-4	Silver	ND		mg/kg dry	0.530	0.530	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:45	MW
7440-23-5	Sodium	962		mg/kg dry	10.6	10.6	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:45	MW
7440-28-0	Thallium	ND		mg/kg dry	1.06	1.06	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:45	MW
7440-62-2	Vanadium	24.0		mg/kg dry	1.06	1.06	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:45	MW
7440-66-6	Zinc	35.1		mg/kg dry	1.06	1.06	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:45	MW

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0350	0.0350	1	EPA 7471B	05/30/2014 10:54	05/30/2014 11:20	AA



Sample Information

Client Sample ID: SP-6 (8'-10')

York Sample ID: 14E1029-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

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551 Waverly Ave Brooklyn NY

Soil

May 23, 2014 3:00 pm

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Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	94.4		%	0.100	0.100	1	SM 2540G	05/29/2014 13:02	06/02/2014 15:14	KK

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.371	0.530	1	EPA 7196A	06/02/2014 07:52	06/02/2014 14:45	SC

Sample Information

Client Sample ID: SP-7 (2'-4')

York Sample ID: 14E1029-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E1029

551 Waverly Ave Brooklyn NY

Soil

May 23, 2014 3:00 pm

05/27/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS



Sample Information

Client Sample ID: SP-7 (2'-4')

York Sample ID: 14E1029-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E1029

551 Waverly Ave Brooklyn NY

Soil

May 23, 2014 3:00 pm

05/27/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	66	130	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
78-93-3	2-Butanone	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
67-64-1	Acetone	5.5	J	ug/kg dry	3.3	13	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
71-43-2	Benzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
108-86-1	Bromobenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
75-25-2	Bromoform	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
75-00-3	Chloroethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
67-66-3	Chloroform	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
74-87-3	Chloromethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
75-09-2	Methylene chloride	5.8	J, B	ug/kg dry	3.3	13	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
91-20-3	Naphthalene	ND		ug/kg dry	3.3	13	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
95-47-6	o-Xylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS



Sample Information

Client Sample ID: SP-7 (2'-4')

York Sample ID: 14E1029-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E1029

551 Waverly Ave Brooklyn NY

Soil

May 23, 2014 3:00 pm

05/27/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	6.6	13	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
100-42-5	Styrene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
108-88-3	Toluene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	9.9	20	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	05/29/2014 08:45	05/29/2014 14:59	SS
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	97.4 %			67-130						
460-00-4	Surrogate: p-Bromofluorobenzene	94.3 %			75-127						
2037-26-5	Surrogate: Toluene-d8	99.9 %			90-112						

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
62-53-3	Aniline	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
120-12-7	Anthracene	274	J	ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
56-55-3	Benzo(a)anthracene	1480		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
50-32-8	Benzo(a)pyrene	1670		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
205-99-2	Benzo(b)fluoranthene	1310		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
191-24-2	Benzo(g,h,i)perylene	910		ug/kg dry	455	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
207-08-9	Benzo(k)fluoranthene	1050		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	455	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	455	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	455	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR



Sample Information

Client Sample ID: SP-7 (2'-4')

York Sample ID: 14E1029-03

York Project (SDG) No.

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551 Waverly Ave Brooklyn NY

Soil

May 23, 2014 3:00 pm

05/27/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
218-01-9	Chrysene	1610		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	905	1800	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	455	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	455	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	905	1810	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	455	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
206-44-0	Fluoranthene	2850		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
86-73-7	Fluorene	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	455	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
193-39-5	Indeno(1,2,3-cd)pyrene	852	J	ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
78-59-1	Isophorone	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	455	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	455	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
91-20-3	Naphthalene	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR



Sample Information

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551 Waverly Ave Brooklyn NY

Soil

May 23, 2014 3:00 pm

05/27/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-09-2	3-Nitroaniline	ND		ug/kg dry	455	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	455	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	455	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	455	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	455	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
85-01-8	Phenanthrene	1490		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
108-95-2	Phenol	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
129-00-0	Pyrene	3220		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
110-86-1	Pyridine	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	228	903	5	EPA 8270D	05/30/2014 05:29	05/31/2014 00:05	SR
	Surrogate Recoveries	Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	7.73 %	S-06		10-105						
4165-62-2	Surrogate: Phenol-d5	7.99 %	S-06		10-118						
4165-60-0	Surrogate: Nitrobenzene-d5	45.5 %			10-140						
321-60-8	Surrogate: 2-Fluorobiphenyl	56.7 %			10-126						
5175-83-7	Surrogate: 2,4,6-Tribromophenol	40.0 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	64.3 %			10-137						

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	90.5	90.5	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:38	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.94	8.94	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:38	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.79	1.79	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:38	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.79	1.79	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:38	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.79	1.79	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:38	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.79	1.79	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:38	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.79	1.79	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:38	JW
72-20-8	Endrin	ND		ug/kg dry	1.79	1.79	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:38	JW



Sample Information

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551 Waverly Ave Brooklyn NY

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May 23, 2014 3:00 pm

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Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.79	1.79	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:38	JW
33213-65-9	* Endosulfan II	ND		ug/kg dry	1.79	1.79	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:38	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.79	1.79	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:38	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.79	1.79	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:38	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.79	1.79	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:38	JW
57-74-9	Chlordane, total	ND		ug/kg dry	7.15	7.15	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:38	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.79	1.79	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:38	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.79	1.79	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:38	JW
309-00-2	Aldrin	ND		ug/kg dry	1.79	1.79	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:38	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.79	1.79	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:38	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.79	1.79	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:38	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.79	1.79	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:38	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	18.4	18.4	1	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 20:13	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	18.4	18.4	1	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 20:13	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	18.4	18.4	1	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 20:13	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	18.4	18.4	1	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 20:13	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	18.4	18.4	1	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 20:13	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	18.4	18.4	1	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 20:13	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	18.4	18.4	1	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 20:13	JW
1336-36-3	* Total PCBs	ND		ug/kg dry	7.37	18.4	1	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 20:13	JW

Surrogate Recoveries

Result

Acceptance Range

877-09-8	Surrogate: Tetrachloro-m-xylene	76.6 %									
2051-24-3	Surrogate: Decachlorobiphenyl	50.4 %									

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8860	B	mg/kg dry	1.08	1.08	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:50	MW
7440-36-0	Antimony	ND		mg/kg dry	0.542	0.542	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:50	MW
7440-38-2	Arsenic	3.47		mg/kg dry	1.08	1.08	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:50	MW
7440-39-3	Barium	115		mg/kg dry	1.08	1.08	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:50	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.108	0.108	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:50	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.325	0.325	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:50	MW
7440-70-2	Calcium	2350		mg/kg dry	0.542	5.42	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:50	MW
7440-47-3	Chromium	14.0		mg/kg dry	0.542	0.542	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:50	MW
7440-48-4	Cobalt	6.19		mg/kg dry	0.542	0.542	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:50	MW



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05/27/2014

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	21.7		mg/kg dry	0.542	0.542	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:50	MW
7439-89-6	Iron	14900		mg/kg dry	2.17	2.17	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:50	MW
7439-92-1	Lead	141		mg/kg dry	0.325	0.325	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:50	MW
7439-95-4	Magnesium	2550		mg/kg dry	5.42	5.42	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:50	MW
7439-96-5	Manganese	345		mg/kg dry	0.542	0.542	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:50	MW
7440-02-0	Nickel	21.1		mg/kg dry	0.542	0.542	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:50	MW
7440-09-7	Potassium	1050		mg/kg dry	5.42	5.42	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:50	MW
7782-49-2	Selenium	ND		mg/kg dry	1.08	1.08	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:50	MW
7440-22-4	Silver	ND		mg/kg dry	0.542	0.542	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:50	MW
7440-23-5	Sodium	194		mg/kg dry	10.8	10.8	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:50	MW
7440-28-0	Thallium	ND		mg/kg dry	1.08	1.08	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:50	MW
7440-62-2	Vanadium	24.6		mg/kg dry	1.08	1.08	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:50	MW
7440-66-6	Zinc	178		mg/kg dry	1.08	1.08	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:50	MW

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0501		mg/kg dry	0.0358	0.0358	1	EPA 7471B	05/30/2014 10:54	05/30/2014 11:20	AA

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	92.3		%	0.100	0.100	1	SM 2540G	05/29/2014 13:02	06/02/2014 15:14	KK

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.379	0.542	1	EPA 7196A	06/02/2014 07:52	06/02/2014 14:45	SC

Sample Information

Client Sample ID: SP-7 (10'-12')

York Sample ID: 14E1029-04

York Project (SDG) No.

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14E1029

551 Waverly Ave Brooklyn NY

Soil

May 23, 2014 3:00 pm

05/27/2014



Sample Information

Client Sample ID: SP-7 (10'-12')

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551 Waverly Ave Brooklyn NY

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05/27/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	53	110	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
67-64-1	Acetone	4.0	J	ug/kg dry	2.7	11	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
71-43-2	Benzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
108-86-1	Bromobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
75-25-2	Bromoform	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS



Sample Information

Client Sample ID: SP-7 (10'-12')

York Sample ID: 14E1029-04

York Project (SDG) No.

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551 Waverly Ave Brooklyn NY

Soil

May 23, 2014 3:00 pm

05/27/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
67-66-3	Chloroform	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
75-09-2	Methylene chloride	5.2	J, B	ug/kg dry	2.7	11	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.7	11	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.3	11	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
100-42-5	Styrene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
108-88-3	Toluene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.0	16	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	05/29/2014 08:45	05/29/2014 15:28	SS

Surrogate Recoveries

Result

Acceptance Range

17060-07-0	Surrogate: 1,2-Dichloroethane-d4	99.5 %
460-00-4	Surrogate: p-Bromofluorobenzene	97.2 %
2037-26-5	Surrogate: Toluene-d8	102 %

67-130

75-127

90-112



Sample Information

Client Sample ID: SP-7 (10'-12')

York Sample ID: 14E1029-04

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551 Waverly Ave Brooklyn NY

Soil

May 23, 2014 3:00 pm

05/27/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
62-53-3	Aniline	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
120-12-7	Anthracene	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	86.8	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	86.8	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	86.8	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	86.8	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
218-01-9	Chrysene	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	173	344	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	86.8	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	86.8	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	173	344	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	86.8	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR



Sample Information

Client Sample ID: SP-7 (10'-12')

York Sample ID: 14E1029-04

York Project (SDG) No.

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14E1029

551 Waverly Ave Brooklyn NY

Soil

May 23, 2014 3:00 pm

05/27/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
206-44-0	Fluoranthene	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
86-73-7	Fluorene	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	86.8	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
78-59-1	Isophorone	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	86.8	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	86.8	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
91-20-3	Naphthalene	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	86.8	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	86.8	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	86.8	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	86.8	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	86.8	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
85-01-8	Phenanthrene	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
108-95-2	Phenol	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
129-00-0	Pyrene	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
110-86-1	Pyridine	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	43.4	172	1	EPA 8270D	05/30/2014 05:29	05/30/2014 23:33	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: 2-Fluorophenol	27.1 %	10-105
4165-62-2	Surrogate: Phenol-d5	54.9 %	10-118
4165-60-0	Surrogate: Nitrobenzene-d5	69.8 %	10-140



Sample Information

Client Sample ID: SP-7 (10'-12')

York Sample ID: 14E1029-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E1029

551 Waverly Ave Brooklyn NY

Soil

May 23, 2014 3:00 pm

05/27/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	Surrogate: 2-Fluorobiphenyl	59.5 %			10-126						
5175-83-7	Surrogate: 2,4,6-Tribromophenol	49.0 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	86.9 %			10-137						

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	86.3	86.3	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:53	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.52	8.52	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:53	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:53	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:53	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:53	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:53	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:53	JW
72-20-8	Endrin	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:53	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:53	JW
33213-65-9	* Endosulfan II	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:53	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:53	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:53	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:53	JW
57-74-9	Chlordane, total	ND		ug/kg dry	6.82	6.82	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:53	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:53	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:53	JW
309-00-2	Aldrin	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:53	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:53	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:53	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.70	1.70	5	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 17:53	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	17.6	17.6	1	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 20:42	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	17.6	17.6	1	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 20:42	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	17.6	17.6	1	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 20:42	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	17.6	17.6	1	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 20:42	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	17.6	17.6	1	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 20:42	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	17.6	17.6	1	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 20:42	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	17.6	17.6	1	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 20:42	JW
1336-36-3	* Total PCBs	ND		ug/kg dry	7.03	17.6	1	EPA 8081B/8082A	05/29/2014 17:00	05/30/2014 20:42	JW



Sample Information

Client Sample ID: SP-7 (10'-12')

York Sample ID: 14E1029-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14E1029

551 Waverly Ave Brooklyn NY

Soil

May 23, 2014 3:00 pm

05/27/2014

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	84.2 %			1.03	1.03	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:55	MW
2051-24-3	Surrogate: Decachlorobiphenyl	53.9 %			1.03	1.03	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:55	MW

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9610	B	mg/kg dry	1.03	1.03	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:55	MW
7440-36-0	Antimony	ND		mg/kg dry	0.517	0.517	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:55	MW
7440-38-2	Arsenic	3.53		mg/kg dry	1.03	1.03	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:55	MW
7440-39-3	Barium	31.3		mg/kg dry	1.03	1.03	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:55	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.103	0.103	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:55	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.310	0.310	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:55	MW
7440-70-2	Calcium	672		mg/kg dry	0.517	5.17	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:55	MW
7440-47-3	Chromium	25.3		mg/kg dry	0.517	0.517	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:55	MW
7440-48-4	Cobalt	7.41		mg/kg dry	0.517	0.517	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:55	MW
7440-50-8	Copper	12.3		mg/kg dry	0.517	0.517	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:55	MW
7439-89-6	Iron	20000		mg/kg dry	2.07	2.07	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:55	MW
7439-92-1	Lead	6.95		mg/kg dry	0.310	0.310	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:55	MW
7439-95-4	Magnesium	1830		mg/kg dry	5.17	5.17	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:55	MW
7439-96-5	Manganese	303		mg/kg dry	0.517	0.517	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:55	MW
7440-02-0	Nickel	17.9		mg/kg dry	0.517	0.517	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:55	MW
7440-09-7	Potassium	705		mg/kg dry	5.17	5.17	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:55	MW
7782-49-2	Selenium	ND		mg/kg dry	1.03	1.03	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:55	MW
7440-22-4	Silver	ND		mg/kg dry	0.517	0.517	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:55	MW
7440-23-5	Sodium	134		mg/kg dry	10.3	10.3	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:55	MW
7440-28-0	Thallium	ND		mg/kg dry	1.03	1.03	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:55	MW
7440-62-2	Vanadium	24.9		mg/kg dry	1.03	1.03	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:55	MW
7440-66-6	Zinc	25.8		mg/kg dry	1.03	1.03	1	EPA 6010C	05/29/2014 14:07	05/29/2014 17:55	MW



Sample Information

Client Sample ID: SP-7 (10'-12')

York Sample ID: 14E1029-04

<u>York Project (SDG) No.</u> 14E1029	<u>Client Project ID</u> 551 Waverly Ave Brooklyn NY	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 23, 2014 3:00 pm	<u>Date Received</u> 05/27/2014
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Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0341	0.0341	1	EPA 7471B	05/30/2014 10:54	05/30/2014 11:20	AA

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	96.8		%	0.100	0.100	1	SM 2540G	05/29/2014 13:02	06/02/2014 15:14	KK

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.362	0.517	1	EPA 7196A	06/02/2014 07:52	06/02/2014 14:45	SC



Analytical Batch Summary

Batch ID: BE41555 **Preparation Method:** EPA 5035A **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14E1029-01	SP-6 (2'-4')	05/29/14
14E1029-02	SP-6 (8'-10')	05/29/14
14E1029-03	SP-7 (2'-4')	05/29/14
14E1029-04	SP-7 (10'-12')	05/29/14
BE41555-BLK1	Blank	05/29/14
BE41555-BS1	LCS	05/29/14
BE41555-BSD1	LCS Dup	05/29/14

Batch ID: BE41567 **Preparation Method:** % Solids Prep **Prepared By:** KK

YORK Sample ID	Client Sample ID	Preparation Date
14E1029-01	SP-6 (2'-4')	05/29/14
14E1029-02	SP-6 (8'-10')	05/29/14
14E1029-03	SP-7 (2'-4')	05/29/14
14E1029-04	SP-7 (10'-12')	05/29/14

Batch ID: BE41579 **Preparation Method:** EPA 3050B **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14E1029-01	SP-6 (2'-4')	05/29/14
14E1029-02	SP-6 (8'-10')	05/29/14
14E1029-03	SP-7 (2'-4')	05/29/14
14E1029-04	SP-7 (10'-12')	05/29/14
BE41579-BLK1	Blank	05/29/14
BE41579-SRM1	Reference	05/29/14

Batch ID: BE41580 **Preparation Method:** EPA 3550C **Prepared By:** SA

YORK Sample ID	Client Sample ID	Preparation Date
14E1029-01	SP-6 (2'-4')	05/29/14
14E1029-02	SP-6 (8'-10')	05/29/14
14E1029-03	SP-7 (2'-4')	05/29/14
14E1029-04	SP-7 (10'-12')	05/29/14
BE41580-BLK1	Blank	05/29/14
BE41580-BS1	LCS	05/29/14
BE41580-BS2	LCS	05/29/14
BE41580-BSD1	LCS Dup	05/29/14
BE41580-BSD2	LCS Dup	05/29/14
BE41580-MS1	Matrix Spike	05/29/14
BE41580-MS2	Matrix Spike	05/29/14

Batch ID: BE41602 **Preparation Method:** EPA 3550C **Prepared By:** CC



YORK Sample ID	Client Sample ID	Preparation Date
14E1029-01	SP-6 (2'-4')	05/30/14
14E1029-02	SP-6 (8'-10')	05/30/14
14E1029-03	SP-7 (2'-4')	05/30/14
14E1029-04	SP-7 (10'-12')	05/30/14
BE41602-BLK1	Blank	05/30/14
BE41602-BS1	LCS	05/30/14
BE41602-BSD1	LCS Dup	05/30/14

Batch ID: BE41624 **Preparation Method:** EPA SW846-7471 **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
14E1029-01	SP-6 (2'-4')	05/30/14
14E1029-02	SP-6 (8'-10')	05/30/14
14E1029-03	SP-7 (2'-4')	05/30/14
14E1029-04	SP-7 (10'-12')	05/30/14
BE41624-BLK1	Blank	05/30/14
BE41624-SRM1	Reference	05/30/14

Batch ID: BF40013 **Preparation Method:** EPA SW846-3060 **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
14E1029-01	SP-6 (2'-4')	06/02/14
14E1029-02	SP-6 (8'-10')	06/02/14
14E1029-03	SP-7 (2'-4')	06/02/14
14E1029-04	SP-7 (10'-12')	06/02/14
BF40013-BLK1	Blank	06/02/14
BF40013-SRM1	Reference	06/02/14



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE41555 - EPA 5035A

Blank (BE41555-BLK1)

Prepared & Analyzed: 05/29/2014

1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	ND	10	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	11	10	"								
Naphthalene	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit			Result					RPD	

Batch BE41555 - EPA 5035A

Blank (BE41555-BLK1)

Prepared & Analyzed: 05/29/2014

o-Xylene	ND	5.0	ug/kg wet								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Vinyl acetate	ND	5.0	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>49.4</i>		<i>ug/L</i>	<i>50.0</i>		<i>98.7</i>		<i>67-130</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>49.1</i>		<i>"</i>	<i>50.0</i>		<i>98.1</i>		<i>75-127</i>			
<i>Surrogate: Toluene-d8</i>	<i>50.1</i>		<i>"</i>	<i>50.0</i>		<i>100</i>		<i>90-112</i>			

LCS (BE41555-BS1)

Prepared & Analyzed: 05/29/2014

1,1,1,2-Tetrachloroethane	51.0		ug/L	50.0		102		72-126			
1,1,1-Trichloroethane	52.0		"	50.0		104		74-126			
1,1,2,2-Tetrachloroethane	51.0		"	50.0		102		72-133			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49.6		"	50.0		99.2		47-160			
1,1,2-Trichloroethane	53.2		"	50.0		106		81-124			
1,1-Dichloroethane	51.7		"	50.0		103		80-125			
1,1-Dichloroethylene	52.0		"	50.0		104		62-136			
1,1-Dichloropropylene	51.7		"	50.0		103		81-121			
1,2,3-Trichlorobenzene	50.7		"	50.0		101		63-154			
1,2,3-Trichloropropane	50.6		"	50.0		101		70-126			
1,2,4-Trichlorobenzene	53.2		"	50.0		106		61-158			
1,2,4-Trimethylbenzene	51.6		"	50.0		103		83-123			
1,2-Dibromo-3-chloropropane	47.5		"	50.0		95.1		48-152			
1,2-Dibromoethane	51.7		"	50.0		103		81-123			
1,2-Dichlorobenzene	51.4		"	50.0		103		81-117			
1,2-Dichloroethane	50.9		"	50.0		102		67-129			
1,2-Dichloropropane	52.6		"	50.0		105		74-127			
1,3,5-Trimethylbenzene	51.8		"	50.0		104		81-120			
1,3-Dichlorobenzene	51.0		"	50.0		102		84-117			
1,3-Dichloropropane	52.4		"	50.0		105		77-125			
1,4-Dichlorobenzene	51.9		"	50.0		104		85-118			
1,4-Dioxane	1090		"	1000		109		31-190			
2,2-Dichloropropane	54.5		"	50.0		109		69-129			
2-Butanone	49.4		"	50.0		98.8		58-159			
2-Chlorotoluene	51.0		"	50.0		102		75-123			
4-Chlorotoluene	50.2		"	50.0		100		76-121			
Acetone	44.0		"	50.0		88.0		32-173			
Benzene	52.2		"	50.0		104		83-126			
Bromobenzene	50.7		"	50.0		101		70-130			
Bromochloromethane	53.2		"	50.0		106		73-128			
Bromodichloromethane	52.7		"	50.0		105		74-126			
Bromoform	52.9		"	50.0		106		63-137			



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	
		Limit								Units	Level
Batch BE41555 - EPA 5035A											
LCS (BE41555-BS1)										Prepared & Analyzed: 05/29/2014	
Bromomethane	47.7		ug/L	50.0	95.3	24-144					
Carbon tetrachloride	50.3		"	50.0	101	68-132					
Chlorobenzene	51.6		"	50.0	103	87-115					
Chloroethane	47.1		"	50.0	94.2	39-146					
Chloroform	51.3		"	50.0	103	84-120					
Chloromethane	41.7		"	50.0	83.4	35-153					
cis-1,2-Dichloroethylene	50.7		"	50.0	101	86-121					
cis-1,3-Dichloropropylene	54.4		"	50.0	109	78-122					
Dibromochloromethane	9.47		"	50.0	18.9	41-149	Low Bias				
Dibromomethane	54.0		"	50.0	108	82-118					
Dichlorodifluoromethane	38.9		"	50.0	77.7	52-143					
Ethyl Benzene	52.0		"	50.0	104	81-118					
Hexachlorobutadiene	50.9		"	50.0	102	70-133					
Isopropylbenzene	51.5		"	50.0	103	78-122					
Methyl tert-butyl ether (MTBE)	52.6		"	50.0	105	62-140					
Methylene chloride	51.5		"	50.0	103	48-143					
Naphthalene	51.6		"	50.0	103	55-160					
n-Butylbenzene	52.0		"	50.0	104	71-142					
n-Propylbenzene	51.7		"	50.0	103	80-123					
o-Xylene	51.7		"	50.0	103	81-118					
p- & m- Xylenes	106		"	100	106	80-120					
p-Isopropyltoluene	50.8		"	50.0	102	83-126					
sec-Butylbenzene	50.8		"	50.0	102	84-123					
Styrene	50.7		"	50.0	101	85-115					
tert-Butylbenzene	55.6		"	50.0	111	78-122					
Tetrachloroethylene	48.0		"	50.0	96.0	76-129					
Toluene	51.4		"	50.0	103	85-116					
trans-1,2-Dichloroethylene	52.7		"	50.0	105	66-136					
trans-1,3-Dichloropropylene	54.2		"	50.0	108	71-128					
Trichloroethylene	52.4		"	50.0	105	83-118					
Trichlorofluoromethane	48.0		"	50.0	95.9	54-141					
Vinyl Chloride	43.6		"	50.0	87.2	38-147					
Vinyl acetate	53.4		"	50.0	107	67-136					
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>50.1</i>		<i>"</i>	<i>50.0</i>	<i>100</i>	<i>67-130</i>					
<i>Surrogate: p-Bromofluorobenzene</i>	<i>50.4</i>		<i>"</i>	<i>50.0</i>	<i>101</i>	<i>75-127</i>					
<i>Surrogate: Toluene-d8</i>	<i>49.8</i>		<i>"</i>	<i>50.0</i>	<i>99.7</i>	<i>90-112</i>					



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE41555 - EPA 5035A											
LCS Dup (BE41555-BSD1)											
Prepared & Analyzed: 05/29/2014											
1,1,1,2-Tetrachloroethane	49.0		ug/L	50.0		97.9	72-126		4.08	30	
1,1,1-Trichloroethane	54.0		"	50.0		108	74-126		3.74	30	
1,1,2,2-Tetrachloroethane	51.6		"	50.0		103	72-133		1.01	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0		"	50.0		100	47-160		0.743	30	
1,1,2-Trichloroethane	53.4		"	50.0		107	81-124		0.450	30	
1,1-Dichloroethane	52.1		"	50.0		104	80-125		0.674	30	
1,1-Dichloroethylene	52.4		"	50.0		105	62-136		0.804	30	
1,1-Dichloropropylene	50.6		"	50.0		101	81-121		2.29	30	
1,2,3-Trichlorobenzene	52.4		"	50.0		105	63-154		3.24	30	
1,2,3-Trichloropropane	51.4		"	50.0		103	70-126		1.55	30	
1,2,4-Trichlorobenzene	54.0		"	50.0		108	61-158		1.51	30	
1,2,4-Trimethylbenzene	53.1		"	50.0		106	83-123		2.85	30	
1,2-Dibromo-3-chloropropane	49.1		"	50.0		98.2	48-152		3.27	30	
1,2-Dibromoethane	52.1		"	50.0		104	81-123		0.694	30	
1,2-Dichlorobenzene	51.9		"	50.0		104	81-117		0.949	30	
1,2-Dichloroethane	51.4		"	50.0		103	67-129		1.06	30	
1,2-Dichloropropane	52.8		"	50.0		106	74-127		0.361	30	
1,3,5-Trimethylbenzene	52.2		"	50.0		104	81-120		0.750	30	
1,3-Dichlorobenzene	53.5		"	50.0		107	84-117		4.94	30	
1,3-Dichloropropane	52.0		"	50.0		104	77-125		0.613	30	
1,4-Dichlorobenzene	52.9		"	50.0		106	85-118		1.89	30	
1,4-Dioxane	932		"	1000		93.2	31-190		15.4	30	
2,2-Dichloropropane	55.2		"	50.0		110	69-129		1.22	30	
2-Butanone	47.9		"	50.0		95.8	58-159		3.08	30	
2-Chlorotoluene	51.4		"	50.0		103	75-123		0.820	30	
4-Chlorotoluene	52.4		"	50.0		105	76-121		4.35	30	
Acetone	47.4		"	50.0		94.9	32-173		7.46	30	
Benzene	53.6		"	50.0		107	83-126		2.61	30	
Bromobenzene	52.2		"	50.0		104	70-130		2.84	30	
Bromochloromethane	53.6		"	50.0		107	73-128		0.880	30	
Bromodichloromethane	51.4		"	50.0		103	74-126		2.42	30	
Bromoform	55.4		"	50.0		111	63-137		4.62	30	
Bromomethane	49.1		"	50.0		98.2	24-144		2.96	30	
Carbon tetrachloride	50.5		"	50.0		101	68-132		0.516	30	
Chlorobenzene	51.6		"	50.0		103	87-115		0.0581	30	
Chloroethane	47.2		"	50.0		94.4	39-146		0.255	30	
Chloroform	51.2		"	50.0		102	84-120		0.0975	30	
Chloromethane	43.4		"	50.0		86.9	35-153		4.09	30	
cis-1,2-Dichloroethylene	51.8		"	50.0		104	86-121		2.22	30	
cis-1,3-Dichloropropylene	54.8		"	50.0		110	78-122		0.696	30	
Dibromochloromethane	19.1		"	50.0		38.1	41-149	Low Bias	67.3	30	Non-dir.
Dibromomethane	51.8		"	50.0		104	82-118		4.06	30	
Dichlorodifluoromethane	38.0		"	50.0		76.1	52-143		2.18	30	
Ethyl Benzene	52.0		"	50.0		104	81-118		0.0769	30	
Hexachlorobutadiene	55.0		"	50.0		110	70-133		7.67	30	
Isopropylbenzene	53.6		"	50.0		107	78-122		4.01	30	
Methyl tert-butyl ether (MTBE)	51.7		"	50.0		103	62-140		1.80	30	
Methylene chloride	52.8		"	50.0		106	48-143		2.53	30	
Naphthalene	54.1		"	50.0		108	55-160		4.65	30	
n-Butylbenzene	52.8		"	50.0		106	71-142		1.47	30	
n-Propylbenzene	52.4		"	50.0		105	80-123		1.36	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit								Limit			

Batch BE41555 - EPA 5035A

LCS Dup (BE41555-BSD1)

Prepared & Analyzed: 05/29/2014

o-Xylene	54.0		ug/L	50.0		108	81-118			4.35	30		
p- & m- Xylenes	106		"	100		106	80-120			0.293	30		
p-Isopropyltoluene	54.1		"	50.0		108	83-126			6.31	30		
sec-Butylbenzene	51.5		"	50.0		103	84-123			1.47	30		
Styrene	53.8		"	50.0		108	85-115			5.87	30		
tert-Butylbenzene	58.2		"	50.0		116	78-122			4.59	30		
Tetrachloroethylene	50.5		"	50.0		101	76-129			5.07	30		
Toluene	52.4		"	50.0		105	85-116			1.77	30		
trans-1,2-Dichloroethylene	54.2		"	50.0		108	66-136			2.84	30		
trans-1,3-Dichloropropylene	54.0		"	50.0		108	71-128			0.370	30		
Trichloroethylene	51.0		"	50.0		102	83-118			2.69	30		
Trichlorofluoromethane	48.6		"	50.0		97.2	54-141			1.35	30		
Vinyl Chloride	45.8		"	50.0		91.6	38-147			4.90	30		
Vinyl acetate	54.6		"	50.0		109	67-136			2.26	30		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>48.3</i>		<i>"</i>	<i>50.0</i>		<i>96.6</i>	<i>67-130</i>						
<i>Surrogate: p-Bromofluorobenzene</i>	<i>51.3</i>		<i>"</i>	<i>50.0</i>		<i>103</i>	<i>75-127</i>						
<i>Surrogate: Toluene-d8</i>	<i>50.7</i>		<i>"</i>	<i>50.0</i>		<i>101</i>	<i>90-112</i>						



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit			Level					Result			

Batch BE41602 - EPA 3550C

Blank (BE41602-BLK1)

Prepared: 05/30/2014 Analyzed: 06/02/2014

Acenaphthene	ND	167	ug/kg wet										
Acenaphthylene	ND	167	"										
Aniline	ND	167	"										
Anthracene	ND	167	"										
Benzo(a)anthracene	ND	167	"										
Benzo(a)pyrene	ND	167	"										
Benzo(b)fluoranthene	ND	167	"										
Benzo(g,h,i)perylene	ND	167	"										
Benzo(k)fluoranthene	ND	167	"										
Benzyl alcohol	ND	167	"										
Benzyl butyl phthalate	ND	167	"										
4-Bromophenyl phenyl ether	ND	167	"										
4-Chloro-3-methylphenol	ND	167	"										
4-Chloroaniline	ND	167	"										
Bis(2-chloroethoxy)methane	ND	167	"										
Bis(2-chloroethyl)ether	ND	167	"										
Bis(2-chloroisopropyl)ether	ND	167	"										
2-Chloronaphthalene	ND	167	"										
2-Chlorophenol	ND	167	"										
4-Chlorophenyl phenyl ether	ND	167	"										
Chrysene	ND	167	"										
Dibenzo(a,h)anthracene	ND	167	"										
Dibenzofuran	ND	167	"										
Di-n-butyl phthalate	ND	167	"										
1,3-Dichlorobenzene	ND	167	"										
1,4-Dichlorobenzene	ND	167	"										
1,2-Dichlorobenzene	ND	167	"										
3,3'-Dichlorobenzidine	ND	333	"										
2,4-Dichlorophenol	ND	167	"										
Diethyl phthalate	ND	167	"										
2,4-Dimethylphenol	ND	167	"										
Dimethyl phthalate	ND	167	"										
4,6-Dinitro-2-methylphenol	ND	167	"										
2,4-Dinitrophenol	ND	333	"										
2,4-Dinitrotoluene	ND	167	"										
2,6-Dinitrotoluene	ND	167	"										
Di-n-octyl phthalate	ND	167	"										
Bis(2-ethylhexyl)phthalate	ND	167	"										
Fluoranthene	ND	167	"										
Fluorene	ND	167	"										
Hexachlorobenzene	ND	167	"										
Hexachlorobutadiene	ND	167	"										
Hexachlorocyclopentadiene	ND	167	"										
Hexachloroethane	ND	167	"										
Indeno(1,2,3-cd)pyrene	ND	167	"										
Isophorone	ND	167	"										
2-Methylnaphthalene	ND	167	"										
2-Methylphenol	ND	167	"										
3- & 4-Methylphenols	ND	167	"										
Naphthalene	ND	167	"										
3-Nitroaniline	ND	167	"										



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit			Result					RPD	

Batch BE41602 - EPA 3550C

Blank (BE41602-BLK1)

Prepared: 05/30/2014 Analyzed: 06/02/2014

2-Nitroaniline	ND	167	ug/kg wet								
4-Nitroaniline	ND	167	"								
Nitrobenzene	ND	167	"								
2-Nitrophenol	ND	167	"								
4-Nitrophenol	ND	167	"								
N-nitroso-di-n-propylamine	ND	167	"								
N-Nitrosodimethylamine	ND	167	"								
N-Nitrosodiphenylamine	ND	167	"								
Pentachlorophenol	ND	167	"								
Phenanthrene	ND	167	"								
Phenol	ND	167	"								
Pyrene	ND	167	"								
Pyridine	ND	167	"								
1,2,4-Trichlorobenzene	ND	167	"								
2,4,6-Trichlorophenol	ND	167	"								
2,4,5-Trichlorophenol	ND	167	"								
<i>Surrogate: 2-Fluorophenol</i>	<i>1160</i>		<i>"</i>	<i>2500</i>		<i>46.4</i>		<i>10-105</i>			
<i>Surrogate: Phenol-d5</i>	<i>1150</i>		<i>"</i>	<i>2500</i>		<i>45.9</i>		<i>10-118</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>717</i>		<i>"</i>	<i>1670</i>		<i>42.8</i>		<i>10-140</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>868</i>		<i>"</i>	<i>1670</i>		<i>52.1</i>		<i>10-126</i>			
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>1540</i>		<i>"</i>	<i>2500</i>		<i>61.6</i>		<i>10-150</i>			
<i>Surrogate: Terphenyl-d14</i>	<i>1100</i>		<i>"</i>	<i>1670</i>		<i>65.6</i>		<i>10-137</i>			

LCS (BE41602-BS1)

Prepared: 05/30/2014 Analyzed: 06/02/2014

Acenaphthene	780	167	ug/kg wet	1670		46.8		17-124			
Acenaphthylene	739	167	"	1670		44.3		16-124			
Aniline	542	167	"	1670		32.5		10-111			
Anthracene	830	167	"	1670		49.8		24-124			
Benzo(a)anthracene	789	167	"	1670		47.3		25-134			
Benzo(a)pyrene	961	167	"	1670		57.7		29-144			
Benzo(b)fluoranthene	897	167	"	1670		53.8		20-151			
Benzo(g,h,i)perylene	1030	167	"	1670		62.0		10-153			
Benzo(k)fluoranthene	871	167	"	1670		52.3		10-148			
Benzyl alcohol	613	167	"	1670		36.8		17-128			
Benzyl butyl phthalate	670	167	"	1670		40.2		10-132			
4-Bromophenyl phenyl ether	889	167	"	1670		53.4		30-138			
4-Chloro-3-methylphenol	682	167	"	1670		40.9		16-138			
4-Chloroaniline	383	167	"	1670		23.0		10-117			
Bis(2-chloroethoxy)methane	601	167	"	1670		36.1		10-129			
Bis(2-chloroethyl)ether	649	167	"	1670		38.9		14-125			
Bis(2-chloroisopropyl)ether	619	167	"	1670		37.2		14-122			
2-Chloronaphthalene	756	167	"	1670		45.3		22-115			
2-Chlorophenol	689	167	"	1670		41.3		25-121			
4-Chlorophenyl phenyl ether	869	167	"	1670		52.1		18-132			
Chrysene	813	167	"	1670		48.8		24-116			
Dibenzo(a,h)anthracene	1000	167	"	1670		60.3		17-147			
Dibenzofuran	782	167	"	1670		46.9		23-123			
Di-n-butyl phthalate	734	167	"	1670		44.0		19-123			
1,3-Dichlorobenzene	716	167	"	1670		43.0		32-113			
1,4-Dichlorobenzene	719	167	"	1670		43.1		28-111			
1,2-Dichlorobenzene	728	167	"	1670		43.7		26-113			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting		Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit	Units							Level	Result

Batch BE41602 - EPA 3550C

LCS (BE41602-BS1)

Prepared: 05/30/2014 Analyzed: 06/02/2014

3,3'-Dichlorobenzidine	913	333	ug/kg wet	1670		54.8	10-147				
2,4-Dichlorophenol	775	167	"	1670		46.5	23-133				
Diethyl phthalate	731	167	"	1670		43.9	23-122				
2,4-Dimethylphenol	681	167	"	1670		40.9	15-131				
Dimethyl phthalate	766	167	"	1670		46.0	28-127				
4,6-Dinitro-2-methylphenol	831	167	"	1670		49.9	10-149				
2,4-Dinitrophenol	670	333	"	1670		40.2	10-149				
2,4-Dinitrotoluene	797	167	"	1670		47.8	30-123				
2,6-Dinitrotoluene	818	167	"	1670		49.1	30-125				
Di-n-octyl phthalate	708	167	"	1670		42.5	10-132				
Bis(2-ethylhexyl)phthalate	744	167	"	1670		44.7	10-141				
Fluoranthene	904	167	"	1670		54.2	36-125				
Fluorene	837	167	"	1670		50.2	16-130				
Hexachlorobenzene	705	167	"	1670		42.3	10-129				
Hexachlorobutadiene	862	167	"	1670		51.7	22-153				
Hexachlorocyclopentadiene	694	167	"	1670		41.6	10-134				
Hexachloroethane	660	167	"	1670		39.6	20-112				
Indeno(1,2,3-cd)pyrene	972	167	"	1670		58.3	10-155				
Isophorone	584	167	"	1670		35.1	14-131				
2-Methylnaphthalene	753	167	"	1670		45.2	16-127				
2-Methylphenol	613	167	"	1670		36.8	10-146				
3- & 4-Methylphenols	645	167	"	1670		38.7	20-109				
Naphthalene	722	167	"	1670		43.3	20-121				
3-Nitroaniline	733	167	"	1670		44.0	23-123				
2-Nitroaniline	698	167	"	1670		41.9	24-126				
4-Nitroaniline	577	167	"	1670		34.6	14-125				
Nitrobenzene	601	167	"	1670		36.0	20-121				
2-Nitrophenol	692	167	"	1670		41.5	17-129				
4-Nitrophenol	470	167	"	1670		28.2	10-136				
N-nitroso-di-n-propylamine	594	167	"	1670		35.6	21-119				
N-Nitrosodimethylamine	585	167	"	1670		35.1	10-124				
N-Nitrosodiphenylamine	914	167	"	1670		54.8	10-163				
Pentachlorophenol	893	167	"	1670		53.6	10-143				
Phenanthrene	879	167	"	1670		52.8	24-123				
Phenol	596	167	"	1670		35.8	15-123				
Pyrene	837	167	"	1670		50.2	24-132				
Pyridine	377	167	"	1670		22.6	10-92				
1,2,4-Trichlorobenzene	778	167	"	1670		46.7	23-130				
2,4,6-Trichlorophenol	779	167	"	1670		46.7	27-122				
2,4,5-Trichlorophenol	749	167	"	1670		44.9	14-138				
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Surrogate: 2-Fluorophenol	1040		"	2500		41.7	10-105				
Surrogate: Phenol-d5	999		"	2500		39.9	10-118				
Surrogate: Nitrobenzene-d5	612		"	1670		36.6	10-140				
Surrogate: 2-Fluorobiphenyl	763		"	1670		45.8	10-126				
Surrogate: 2,4,6-Tribromophenol	1440		"	2500		57.4	30-130				
Surrogate: Terphenyl-d14	839		"	1670		50.1	10-137				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE41602 - EPA 3550C											
LCS Dup (BE41602-BSD1)											
										Prepared: 05/30/2014 Analyzed: 06/02/2014	
Acenaphthene	935	167	ug/kg wet	1670		56.1	17-124		18.2	30	
Acenaphthylene	889	167	"	1670		53.4	16-124		18.5	30	
Aniline	585	167	"	1670		35.1	10-111		7.57	30	
Anthracene	997	167	"	1670		59.8	24-124		18.3	30	
Benzo(a)anthracene	969	167	"	1670		58.2	25-134		20.5	30	
Benzo(a)pyrene	1070	167	"	1670		64.5	29-144		11.1	30	
Benzo(b)fluoranthene	810	167	"	1670		48.6	20-151		10.2	30	
Benzo(g,h,i)perylene	1290	167	"	1670		77.4	10-153		22.0	30	
Benzo(k)fluoranthene	792	167	"	1670		47.5	10-148		9.54	30	
Benzyl alcohol	713	167	"	1670		42.8	17-128		15.2	30	
Benzyl butyl phthalate	832	167	"	1670		49.9	10-132		21.6	30	
4-Bromophenyl phenyl ether	1080	167	"	1670		64.5	30-138		19.0	30	
4-Chloro-3-methylphenol	839	167	"	1670		50.4	16-138		20.7	30	
4-Chloroaniline	528	167	"	1670		31.7	10-117		31.8	30	Non-dir.
Bis(2-chloroethoxy)methane	697	167	"	1670		41.8	10-129		14.8	30	
Bis(2-chloroethyl)ether	738	167	"	1670		44.3	14-125		12.9	30	
Bis(2-chloroisopropyl)ether	693	167	"	1670		41.6	14-122		11.2	30	
2-Chloronaphthalene	903	167	"	1670		54.2	22-115		17.8	30	
2-Chlorophenol	782	167	"	1670		46.9	25-121		12.7	30	
4-Chlorophenyl phenyl ether	1060	167	"	1670		63.5	18-132		19.6	30	
Chrysene	998	167	"	1670		59.9	24-116		20.5	30	
Dibenzo(a,h)anthracene	1270	167	"	1670		76.0	17-147		23.1	30	
Dibenzofuran	936	167	"	1670		56.1	23-123		17.9	30	
Di-n-butyl phthalate	880	167	"	1670		52.8	19-123		18.1	30	
1,3-Dichlorobenzene	822	167	"	1670		49.3	32-113		13.7	30	
1,4-Dichlorobenzene	803	167	"	1670		48.2	28-111		11.0	30	
1,2-Dichlorobenzene	816	167	"	1670		48.9	26-113		11.4	30	
3,3'-Dichlorobenzidine	1140	333	"	1670		68.5	10-147		22.4	30	
2,4-Dichlorophenol	912	167	"	1670		54.7	23-133		16.2	30	
Diethyl phthalate	885	167	"	1670		53.1	23-122		19.1	30	
2,4-Dimethylphenol	807	167	"	1670		48.4	15-131		16.9	30	
Dimethyl phthalate	929	167	"	1670		55.7	28-127		19.2	30	
4,6-Dinitro-2-methylphenol	963	167	"	1670		57.8	10-149		14.7	30	
2,4-Dinitrophenol	761	333	"	1670		45.6	10-149		12.6	30	
2,4-Dinitrotoluene	979	167	"	1670		58.7	30-123		20.5	30	
2,6-Dinitrotoluene	996	167	"	1670		59.8	30-125		19.6	30	
Di-n-octyl phthalate	901	167	"	1670		54.0	10-132		24.0	30	
Bis(2-ethylhexyl)phthalate	919	167	"	1670		55.1	10-141		21.0	30	
Fluoranthene	1090	167	"	1670		65.5	36-125		18.8	30	
Fluorene	994	167	"	1670		59.6	16-130		17.1	30	
Hexachlorobenzene	845	167	"	1670		50.7	10-129		18.1	30	
Hexachlorobutadiene	1000	167	"	1670		60.1	22-153		15.1	30	
Hexachlorocyclopentadiene	859	167	"	1670		51.6	10-134		21.3	30	
Hexachloroethane	759	167	"	1670		45.6	20-112		14.0	30	
Indeno(1,2,3-cd)pyrene	1220	167	"	1670		73.3	10-155		22.8	30	
Isophorone	689	167	"	1670		41.3	14-131		16.4	30	
2-Methylnaphthalene	889	167	"	1670		53.3	16-127		16.6	30	
2-Methylphenol	715	167	"	1670		42.9	10-146		15.4	30	
3- & 4-Methylphenols	747	167	"	1670		44.8	20-109		14.6	30	
Naphthalene	842	167	"	1670		50.5	20-121		15.4	30	
3-Nitroaniline	928	167	"	1670		55.7	23-123		23.4	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE41602 - EPA 3550C

LCS Dup (BE41602-BSD1)

Prepared: 05/30/2014 Analyzed: 06/02/2014

2-Nitroaniline	859	167	ug/kg wet	1670		51.5	24-126		20.6	30	
4-Nitroaniline	776	167	"	1670		46.5	14-125		29.3	30	
Nitrobenzene	684	167	"	1670		41.0	20-121		13.0	30	
2-Nitrophenol	814	167	"	1670		48.9	17-129		16.2	30	
4-Nitrophenol	597	167	"	1670		35.8	10-136		23.9	30	
N-nitroso-di-n-propylamine	679	167	"	1670		40.7	21-119		13.3	30	
N-Nitrosodimethylamine	737	167	"	1670		44.2	10-124		23.0	30	
N-Nitrosodiphenylamine	1090	167	"	1670		65.2	10-163		17.2	30	
Pentachlorophenol	1090	167	"	1670		65.4	10-143		19.9	30	
Phenanthrene	1050	167	"	1670		63.1	24-123		17.8	30	
Phenol	672	167	"	1670		40.3	15-123		11.9	30	
Pyrene	1020	167	"	1670		61.4	24-132		20.1	30	
Pyridine	352	167	"	1670		21.1	10-92		6.86	30	
1,2,4-Trichlorobenzene	912	167	"	1670		54.7	23-130		15.8	30	
2,4,6-Trichlorophenol	937	167	"	1670		56.2	27-122		18.5	30	
2,4,5-Trichlorophenol	824	167	"	1670		49.5	14-138		9.58	30	
<i>Surrogate: 2-Fluorophenol</i>	<i>1040</i>		<i>"</i>	<i>2500</i>		<i>41.7</i>	<i>10-105</i>				
<i>Surrogate: Phenol-d5</i>	<i>1010</i>		<i>"</i>	<i>2500</i>		<i>40.5</i>	<i>10-118</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>633</i>		<i>"</i>	<i>1670</i>		<i>37.8</i>	<i>10-140</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>817</i>		<i>"</i>	<i>1670</i>		<i>49.0</i>	<i>10-126</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>1550</i>		<i>"</i>	<i>2500</i>		<i>61.9</i>	<i>30-130</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>928</i>		<i>"</i>	<i>1670</i>		<i>55.5</i>	<i>10-137</i>				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	Flag	RPD	RPD	Limit	Flag
		Limit		Level	Result	Limits		Limit			

Batch BE41580 - EPA 3550C

Blank (BE41580-BLK1)

Prepared: 05/29/2014 Analyzed: 05/30/2014

Toxaphene	ND	16.7	ug/kg wet								
Methoxychlor	ND	1.65	"								
Heptachlor epoxide	ND	0.330	"								
Heptachlor	ND	0.330	"								
gamma-BHC (Lindane)	ND	0.330	"								
Endrin ketone	ND	0.330	"								
Endrin aldehyde	ND	0.330	"								
Endrin	ND	0.330	"								
Endosulfan sulfate	ND	0.330	"								
Endosulfan II	ND	0.330	"								
Endosulfan I	ND	0.330	"								
Dieldrin	ND	0.330	"								
delta-BHC	ND	0.330	"								
Chlordane, total	ND	1.32	"								
beta-BHC	ND	0.330	"								
alpha-BHC	ND	0.330	"								
Aldrin	ND	0.330	"								
4,4'-DDT	ND	0.330	"								
4,4'-DDE	ND	0.330	"								
4,4'-DDD	ND	0.330	"								
Aroclor 1260	ND	17.0	"								
Aroclor 1254	ND	17.0	"								
Aroclor 1248	ND	17.0	"								
Aroclor 1242	ND	17.0	"								
Aroclor 1232	ND	17.0	"								
Aroclor 1221	ND	17.0	"								
Aroclor 1016	ND	17.0	"								
Total PCBs	ND	17.0	"								
<i>Surrogate: Tetrachloro-m-xylene</i>	57.9		"	67.7		85.6		30-140			
<i>Surrogate: Decachlorobiphenyl</i>	47.0		"	71.7		65.6		30-140			



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE41580 - EPA 3550C

LCS (BE41580-BS1)

Prepared: 05/29/2014 Analyzed: 05/30/2014

Methoxychlor	27.9	1.65	ug/kg wet	33.3		83.6	40-140				
Heptachlor epoxide	25.3	0.330	"	33.3		75.8	40-140				
Heptachlor	26.7	0.330	"	33.3		80.0	40-140				
gamma-BHC (Lindane)	26.7	0.330	"	33.3		80.0	40-140				
Endrin ketone	25.7	0.330	"	33.3		77.0	40-140				
Endrin aldehyde	23.0	0.330	"	33.3		69.0	40-140				
Endrin	26.3	0.330	"	33.3		78.9	40-140				
Endosulfan sulfate	26.8	0.330	"	33.3		80.5	40-140				
Endosulfan II	25.7	0.330	"	33.3		77.1	40-140				
Endosulfan I	26.9	0.330	"	33.3		80.6	40-140				
Dieldrin	26.3	0.330	"	33.3		78.9	40-140				
delta-BHC	29.6	0.330	"	33.3		88.8	40-140				
beta-BHC	28.1	0.330	"	33.3		84.2	40-140				
alpha-BHC	28.2	0.330	"	33.3		84.5	40-140				
Aldrin	25.9	0.330	"	33.3		77.6	40-140				
4,4'-DDT	31.6	0.330	"	33.3		94.9	40-140				
4,4'-DDE	24.2	0.330	"	33.3		72.6	40-140				
4,4'-DDD	25.7	0.330	"	33.3		77.1	40-140				
<i>Surrogate: Tetrachloro-m-xylene</i>	54.6		"	67.7		80.7	30-140				
<i>Surrogate: Decachlorobiphenyl</i>	41.6		"	71.7		58.0	30-140				

LCS (BE41580-BS2)

Prepared: 05/29/2014 Analyzed: 05/30/2014

Aroclor 1260	334	17.0	ug/kg wet	333		100	40-130				
Aroclor 1016	360	17.0	"	333		108	40-130				
<i>Surrogate: Tetrachloro-m-xylene</i>	56.0		"	67.7		82.8	30-140				
<i>Surrogate: Decachlorobiphenyl</i>	50.3		"	71.7		70.2	30-140				

LCS Dup (BE41580-BSD1)

Prepared: 05/29/2014 Analyzed: 05/30/2014

Methoxychlor	29.4	1.65	ug/kg wet	33.3		88.1	40-140	5.27	30		
Heptachlor epoxide	26.3	0.330	"	33.3		78.9	40-140	3.94	30		
Heptachlor	28.4	0.330	"	33.3		85.3	40-140	6.41	30		
gamma-BHC (Lindane)	28.1	0.330	"	33.3		84.3	40-140	5.23	30		
Endrin ketone	25.2	0.330	"	33.3		75.5	40-140	2.01	30		
Endrin aldehyde	23.1	0.330	"	33.3		69.4	40-140	0.577	30		
Endrin	26.7	0.330	"	33.3		80.1	40-140	1.55	30		
Endosulfan sulfate	26.4	0.330	"	33.3		79.3	40-140	1.45	30		
Endosulfan II	25.8	0.330	"	33.3		77.3	40-140	0.260	30		
Endosulfan I	27.5	0.330	"	33.3		82.5	40-140	2.27	30		
Dieldrin	27.0	0.330	"	33.3		80.9	40-140	2.47	30		
delta-BHC	30.6	0.330	"	33.3		91.7	40-140	3.21	30		
beta-BHC	29.2	0.330	"	33.3		87.6	40-140	3.92	30		
alpha-BHC	29.8	0.330	"	33.3		89.3	40-140	5.58	30		
Aldrin	27.0	0.330	"	33.3		80.9	40-140	4.20	30		
4,4'-DDT	31.2	0.330	"	33.3		93.5	40-140	1.41	30		
4,4'-DDE	24.7	0.330	"	33.3		74.0	40-140	1.99	30		
4,4'-DDD	25.4	0.330	"	33.3		76.1	40-140	1.27	30		
<i>Surrogate: Tetrachloro-m-xylene</i>	58.1		"	67.7		85.9	30-140				
<i>Surrogate: Decachlorobiphenyl</i>	41.0		"	71.7		57.2	30-140				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit			Result					RPD	Limit

Batch BE41580 - EPA 3550C

LCS Dup (BE41580-BSD2)

Prepared: 05/29/2014 Analyzed: 05/30/2014

Aroclor 1260	344	17.0	ug/kg wet	333		103	40-130			2.77	25
Aroclor 1016	358	17.0	"	333		108	40-130			0.482	25
<i>Surrogate: Tetrachloro-m-xylene</i>	58.3		"	67.7		86.2	30-140				
<i>Surrogate: Decachlorobiphenyl</i>	52.7		"	71.7		73.5	30-140				

Matrix Spike (BE41580-MS1)

*Source sample: 14E1029-01 (SP-6 (2'-4'))

Prepared: 05/29/2014 Analyzed: 05/30/2014

Methoxychlor	25.0	8.88	ug/kg dry	35.9	ND	69.7	30-150				
Heptachlor epoxide	21.7	1.78	"	35.9	ND	60.5	30-150				
Heptachlor	23.3	1.78	"	35.9	ND	64.8	30-150				
gamma-BHC (Lindane)	22.4	1.78	"	35.9	ND	62.5	30-150				
Endrin ketone	20.6	1.78	"	35.9	ND	57.5	30-150				
Endrin aldehyde	17.8	1.78	"	35.9	ND	49.5	30-150				
Endrin	22.2	1.78	"	35.9	ND	61.7	30-150				
Endosulfan sulfate	25.3	1.78	"	35.9	ND	70.5	30-150				
Endosulfan II	19.4	1.78	"	35.9	ND	54.2	30-150				
Endosulfan I	19.0	1.78	"	35.9	ND	52.9	30-150				
Dieldrin	19.5	1.78	"	35.9	ND	54.3	30-150				
delta-BHC	21.9	1.78	"	35.9	ND	61.0	30-150				
beta-BHC	26.3	1.78	"	35.9	ND	73.3	30-150				
alpha-BHC	23.2	1.78	"	35.9	ND	64.6	30-150				
Aldrin	20.0	1.78	"	35.9	ND	55.9	30-150				
4,4'-DDT	18.6	1.78	"	35.9	ND	51.8	30-150				
4,4'-DDE	16.6	1.78	"	35.9	ND	46.1	30-150				
4,4'-DDD	19.3	1.78	"	35.9	ND	53.7	30-150				
<i>Surrogate: Tetrachloro-m-xylene</i>	66.2		"	72.9		90.9	30-140				
<i>Surrogate: Decachlorobiphenyl</i>	44.3		"	77.2		57.4	30-140				

Matrix Spike (BE41580-MS2)

*Source sample: 14E1029-01 (SP-6 (2'-4'))

Prepared: 05/29/2014 Analyzed: 05/30/2014

Aroclor 1260	251	18.3	ug/kg dry	359	ND	69.8	40-140				
Aroclor 1016	276	18.3	"	359	ND	76.8	40-140				
<i>Surrogate: Tetrachloro-m-xylene</i>	43.1		"	72.9		59.1	30-140				
<i>Surrogate: Decachlorobiphenyl</i>	41.3		"	77.2		53.5	30-140				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE41579 - EPA 3050B

Blank (BE41579-BLK1)

Prepared & Analyzed: 05/29/2014

Aluminum	1.03	1.00	mg/kg wet								
Antimony	ND	0.500	"								
Arsenic	ND	1.00	"								
Barium	ND	1.00	"								
Beryllium	ND	0.100	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.500	"								
Copper	ND	0.500	"								
Iron	ND	2.00	"								
Lead	ND	0.300	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	0.500	"								
Potassium	ND	5.00	"								
Selenium	ND	1.00	"								
Silver	ND	0.500	"								
Sodium	ND	10.0	"								
Thallium	ND	1.00	"								
Vanadium	ND	1.00	"								
Zinc	ND	1.00	"								

Reference (BE41579-SRM1)

Prepared & Analyzed: 05/29/2014

Aluminum	6760	1.00	mg/kg wet	8840	76.4	42-158
Antimony	107	0.500	"	88.2	122	26.3-289
Arsenic	89.7	1.00	"	99.6	90.0	69.3-131
Barium	282	1.00	"	310	91.1	74.2-126
Beryllium	65.9	0.100	"	72.3	91.1	73.8-126
Cadmium	159	0.300	"	182	87.4	73.6-126
Calcium	6130	5.00	"	6790	90.3	74.2-126
Chromium	120	0.500	"	136	88.5	70.4-130
Cobalt	115	0.500	"	128	89.7	74.1-125
Copper	98.0	0.500	"	102	96.1	74.3-126
Iron	9360	2.00	"	12600	74.3	31-168
Lead	100	0.300	"	115	87.1	72.1-129
Magnesium	2620	5.00	"	3010	86.9	66.1-134
Manganese	292	0.500	"	323	90.5	74.9-125
Nickel	148	0.500	"	153	96.5	73.2-126
Potassium	2410	5.00	"	2840	85.0	62-138
Selenium	136	1.00	"	150	90.5	67.3-133
Silver	33.3	0.500	"	40.4	82.4	65.8-134
Sodium	2500	10.0	"	2760	90.7	65.9-134
Thallium	150	1.00	"	174	86.3	69-132
Vanadium	85.6	1.00	"	97.6	87.8	65.2-135
Zinc	137	1.00	"	161	85.0	68.3-132



Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE41624 - EPA SW846-7471											
Blank (BE41624-BLK1)											
Mercury	ND	0.0330	mg/kg wet								Prepared & Analyzed: 05/30/2014
Reference (BE41624-SRM1)											
Mercury	3.71	0.330	mg/kg wet	3.73		99.4	68.6-131				



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF40013 - EPA SW846-3060											
Blank (BF40013-BLK1)											
Prepared & Analyzed: 06/02/2014											
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Reference (BF40013-SRM1)											
Prepared & Analyzed: 06/02/2014											
Chromium, Hexavalent	95.9		mg/L	125		76.7	20.2-180				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14E1029-01	SP-6 (2'-4')	40mL Vial with Stir Bar-Cool 4° C
14E1029-02	SP-6 (8'-10')	40mL Vial with Stir Bar-Cool 4° C
14E1029-03	SP-7 (2'-4')	40mL Vial with Stir Bar-Cool 4° C
14E1029-04	SP-7 (10'-12')	40mL Vial with Stir Bar-Cool 4° C



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interferences.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-DB	Analyte in Method Blank >MDL. Sample conc. >10 X blank conc.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.
<hr/>	
*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.



Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 14E1029

Client Information		Report to:		Invoice To:		Client Project ID		Turn-Around Time		Report Type/Deliverables	
Company: <u>Hydro Tech Enviro</u>	Name: <u>SAME</u> <input checked="" type="checkbox"/>	Company: <u>Hauppauge, NY 11788</u>	Name: <u>SAME</u> <input checked="" type="checkbox"/>	Company: <u>551 Waverly Avenue, Brooklyn NY</u>	Address: <u>Brooklyn NY</u>	8270 or 625	8082 PCB	RUSH Same Day	Summary	QA/QC Summary	
Address: <u>77 Arkay Drive, Suite G</u>	Company: <u>Hauppauge, NY 11788</u>	Address: <u>551 Waverly Avenue, Brooklyn NY</u>	Company: <u>Hauppauge, NY 11788</u>	Purchase Order no. <u>5879</u>		8081 Herb	8151 Herb	RUSH Next Day	QA/QC Summary	CT RCP Pkg	
Phone no.: <u>631-462-5866</u>	Address: <u>Hauppauge, NY 11788</u>	E-mail: <u>Paul Matti</u>		Samples from: <u>CT_NY_X_NJ</u>		Acids Only	PAH	RUSH Two Day	CT RCP Pkg	ASP A Pkg	
Contact Person: <u>Paul Matti</u>	E-mail: <u>1@hydrotechenviro.com</u>	E-mail: <u>Paul Matti</u>		OTHER		Site Spec.	TAGM	RUSH Three Day	ASP A Pkg	ASP B Pkg	
E-mail Address: <u>1@hydrotechenviro.com</u>	Fax No.: <u>718-636-0890</u>	E-mail: <u>Paul Matti</u>		OTHER		App. IX	608 PCB	Standard (4 days) <input checked="" type="checkbox"/>	Excel	EDD	
FAX No.: <u>718-636-0890</u>	E-mail: <u>Paul Matti</u>		E-mail: <u>Paul Matti</u>		OTHER		8021B list	OTHER		EDD	

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Name (printed)
Paul Matti

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
SP-6 (2'-4')	5/23/2014	S	8260, 8270 BNA, 8081/8082, TAL METALS (INCL. HEX CHROMIUM)	2 (8onz) + Terr
SP-6 (8'-10')	5/23/2014	S		2 (8onz) + Terr
SP-7 (2'-4')	5/23/2014	S		2 (8onz) + Terr
SP-7 (10'-12')	5/23/2014	S		2 (8onz) + Terr

Comments
COMPARE DATA TO USCOS, RSCOS & CSCOS

Coel-F-C	HMO3	H2SO4	NaOH	NONE	FROZEN	Temperature on Receipt
Samples Relinquished By <u>Paul Matti</u> Date/Time <u>5/27/14</u> Samples Received in LAB by <u>Paul Matti</u> Date/Time <u>5-27-14 1700</u>						3.6 °C



Technical Report

prepared for:

Hydro Tech Environmental (Brooklyn)

15 Ocean Avenue

Brooklyn NY, 11225

Attention: Paul Matli

Report Date: 09/16/2014

Client Project ID: 140127 551 Waverly Ave. Brooklyn, NY

York Project (SDG) No.: 14I0534

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 09/16/2014
Client Project ID: 140127 551 Waverly Ave. Brooklyn, NY
York Project (SDG) No.: 14I0534

Hydro Tech Environmental (Brooklyn)

15 Ocean Avenue
Brooklyn NY, 11225
Attention: Paul Matli

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on September 15, 2014 and listed below. The project was identified as your project: **140127 551 Waverly Ave. Brooklyn, NY.**

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
14I0534-01	SP-8 0-2ft	Soil	09/12/2014	09/15/2014
14I0534-02	SP-8 10-12ft	Soil	09/12/2014	09/15/2014
14I0534-03	SP-9 0-2ft	Soil	09/12/2014	09/15/2014
14I0534-04	SP-9 10-12ft	Soil	09/12/2014	09/15/2014

General Notes for York Project (SDG) No.: 14I0534

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 09/16/2014





Sample Information

Client Sample ID: SP-8 0-2ft

York Sample ID: 14I0534-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
14I0534	140127 551 Waverly Ave. Brooklyn, NY	Soil	September 12, 2014 3:00 pm	09/15/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	44	88	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
78-93-3	2-Butanone	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
67-64-1	Acetone	26	Cal-E, CCV-E, B	ug/kg dry	2.2	8.8	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
71-43-2	Benzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
108-86-1	Bromobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
75-25-2	Bromoform	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK



Sample Information

Client Sample ID: SP-8 0-2ft

York Sample ID: 14I0534-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0534

140127 551 Waverly Ave. Brooklyn, NY

Soil

September 12, 2014 3:00 pm

09/15/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
67-66-3	Chloroform	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
75-09-2	Methylene chloride	ND		ug/kg dry	2.2	8.8	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
91-20-3	Naphthalene	ND		ug/kg dry	2.2	8.8	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.4	8.8	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
100-42-5	Styrene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
108-88-3	Toluene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.6	13	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:13	BK

Surrogate Recoveries

Result

Acceptance Range

17060-07-0 Surrogate: 1,2-Dichloroethane-d4

113 %

67-130

460-00-4 Surrogate: p-Bromofluorobenzene

110 %

75-127



Sample Information

Client Sample ID: SP-8 0-2ft

York Sample ID: 14I0534-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0534

140127 551 Waverly Ave. Brooklyn, NY

Soil

September 12, 2014 3:00 pm

09/15/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: Toluene-d8	98.2 %			90-112						

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	105	J	ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
62-53-3	Aniline	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
120-12-7	Anthracene	206		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
56-55-3	Benzo(a)anthracene	689		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
50-32-8	Benzo(a)pyrene	350		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
205-99-2	Benzo(b)fluoranthene	309		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
191-24-2	Benzo(g,h,i)perylene	210		ug/kg dry	88.7	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
207-08-9	Benzo(k)fluoranthene	344		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	88.7	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	88.7	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	88.7	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
218-01-9	Chrysene	679		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
132-64-9	Dibenzofuran	57.4	J	ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	176	352	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	88.7	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH



Sample Information

Client Sample ID: SP-8 0-2ft

York Sample ID: 14I0534-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0534

140127 551 Waverly Ave. Brooklyn, NY

Soil

September 12, 2014 3:00 pm

09/15/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	88.7	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	176	352	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	88.7	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
206-44-0	Fluoranthene	1100		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
86-73-7	Fluorene	94.3	J	ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	88.7	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
193-39-5	Indeno(1,2,3-cd)pyrene	197		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
78-59-1	Isophorone	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	88.7	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	88.7	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
91-20-3	Naphthalene	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	88.7	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	88.7	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	88.7	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	88.7	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	88.7	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
85-01-8	Phenanthrene	1080		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
108-95-2	Phenol	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
129-00-0	Pyrene	1190		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
110-86-1	Pyridine	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	44.3	176	1	EPA 8270D	09/15/2014 21:43	09/16/2014 11:35	KH



Sample Information

Client Sample ID: SP-8 0-2ft

York Sample ID: 14I0534-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0534

140127 551 Waverly Ave. Brooklyn, NY

Soil

September 12, 2014 3:00 pm

09/15/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	40.0 %			10-105						
4165-62-2	Surrogate: Phenol-d5	45.3 %			10-118						
4165-60-0	Surrogate: Nitrobenzene-d5	40.4 %			10-140						
321-60-8	Surrogate: 2-Fluorobiphenyl	39.8 %			10-126						
118-79-6	Surrogate: 2,4,6-Tribromophenol	35.7 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	44.7 %			10-137						

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.61	2.61	5	EPA 8081B	09/15/2014 20:00	09/16/2014 10:45	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.61	2.61	5	EPA 8081B	09/15/2014 20:00	09/16/2014 10:45	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	2.61	2.61	5	EPA 8081B	09/15/2014 20:00	09/16/2014 10:45	JW
309-00-2	Aldrin	ND		ug/kg dry	2.61	2.61	5	EPA 8081B	09/15/2014 20:00	09/16/2014 10:45	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.61	2.61	5	EPA 8081B	09/15/2014 20:00	09/16/2014 10:45	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.61	2.61	5	EPA 8081B	09/15/2014 20:00	09/16/2014 10:45	JW
57-74-9	Chlordane, total	ND		ug/kg dry	105	105	5	EPA 8081B	09/15/2014 20:00	09/16/2014 10:45	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	2.61	2.61	5	EPA 8081B	09/15/2014 20:00	09/16/2014 10:45	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.61	2.61	5	EPA 8081B	09/15/2014 20:00	09/16/2014 10:45	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.61	2.61	5	EPA 8081B	09/15/2014 20:00	09/16/2014 10:45	JW
959-98-8	Endosulfan I	ND		ug/kg dry	2.61	2.61	5	EPA 8081B	09/15/2014 20:00	09/16/2014 10:45	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.61	2.61	5	EPA 8081B	09/15/2014 20:00	09/16/2014 10:45	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.61	2.61	5	EPA 8081B	09/15/2014 20:00	09/16/2014 10:45	JW
72-20-8	Endrin	ND		ug/kg dry	2.61	2.61	5	EPA 8081B	09/15/2014 20:00	09/16/2014 10:45	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.61	2.61	5	EPA 8081B	09/15/2014 20:00	09/16/2014 10:45	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	2.61	2.61	5	EPA 8081B	09/15/2014 20:00	09/16/2014 10:45	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.61	2.61	5	EPA 8081B	09/15/2014 20:00	09/16/2014 10:45	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.61	2.61	5	EPA 8081B	09/15/2014 20:00	09/16/2014 10:45	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.61	2.61	5	EPA 8081B	09/15/2014 20:00	09/16/2014 10:45	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.61	2.61	5	EPA 8081B	09/15/2014 20:00	09/16/2014 10:45	JW
72-43-5	Methoxychlor	ND		ug/kg dry	13.1	13.1	5	EPA 8081B	09/15/2014 20:00	09/16/2014 10:45	JW
8001-35-2	Toxaphene	ND		ug/kg dry	132	132	5	EPA 8081B	09/15/2014 20:00	09/16/2014 10:45	JW
Surrogate Recoveries		Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	76.6 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	73.6 %			30-140						



Sample Information

Client Sample ID: SP-8 0-2ft **York Sample ID:** 14I0534-01
York Project (SDG) No. 14I0534 **Client Project ID** 140127 551 Waverly Ave. Brooklyn, NY **Matrix** Soil **Collection Date/Time** September 12, 2014 3:00 pm **Date Received** 09/15/2014

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0264	0.0264	1	EPA 8082A	09/15/2014 20:00	09/16/2014 11:36	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0264	0.0264	1	EPA 8082A	09/15/2014 20:00	09/16/2014 11:36	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0264	0.0264	1	EPA 8082A	09/15/2014 20:00	09/16/2014 11:36	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0264	0.0264	1	EPA 8082A	09/15/2014 20:00	09/16/2014 11:36	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0264	0.0264	1	EPA 8082A	09/15/2014 20:00	09/16/2014 11:36	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0264	0.0264	1	EPA 8082A	09/15/2014 20:00	09/16/2014 11:36	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0264	0.0264	1	EPA 8082A	09/15/2014 20:00	09/16/2014 11:36	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0264	0.0264	1	EPA 8082A	09/15/2014 20:00	09/16/2014 11:36	AMC
Surrogate Recoveries		Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	67.0 %	30-140								
2051-24-3	Surrogate: Decachlorobiphenyl	68.0 %	30-140								

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8910		mg/kg dry	1.06	1.06	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:08	MW
7440-36-0	Antimony	ND		mg/kg dry	0.528	0.528	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:08	MW
7440-38-2	Arsenic	5.10		mg/kg dry	1.06	1.06	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:08	MW
7440-39-3	Barium	290		mg/kg dry	1.06	1.06	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:08	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.106	0.106	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:08	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.317	0.317	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:08	MW
7440-70-2	Calcium	8190		mg/kg dry	0.528	5.28	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:08	MW
7440-47-3	Chromium	16.1		mg/kg dry	0.528	0.528	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:08	MW
7440-48-4	Cobalt	6.41		mg/kg dry	0.528	0.528	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:08	MW
7440-50-8	Copper	20.3		mg/kg dry	0.528	0.528	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:08	MW
7439-89-6	Iron	16700		mg/kg dry	2.11	2.11	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:08	MW
7439-92-1	Lead	384		mg/kg dry	0.317	0.317	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:08	MW
7439-95-4	Magnesium	2510		mg/kg dry	5.28	5.28	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:08	MW
7439-96-5	Manganese	305		mg/kg dry	0.528	0.528	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:08	MW
7440-02-0	Nickel	23.4		mg/kg dry	0.528	0.528	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:08	MW
7440-09-7	Potassium	865		mg/kg dry	5.28	5.28	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:08	MW
7782-49-2	Selenium	ND		mg/kg dry	1.06	1.06	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:08	MW
7440-22-4	Silver	ND		mg/kg dry	0.528	0.528	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:08	MW
7440-23-5	Sodium	491		mg/kg dry	10.6	10.6	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:08	MW
7440-28-0	Thallium	ND		mg/kg dry	1.06	1.06	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:08	MW
7440-62-2	Vanadium	23.7		mg/kg dry	1.06	1.06	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:08	MW



Sample Information

Client Sample ID: SP-8 0-2ft York Sample ID: 14I0534-01
York Project (SDG) No. 14I0534 Client Project ID 140127 551 Waverly Ave. Brooklyn, NY Matrix Soil Collection Date/Time September 12, 2014 3:00 pm Date Received 09/15/2014

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, LOD/MDL, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7440-66-6 Zinc 118 mg/kg dry 1.06 1.06 1 EPA 6010C 09/16/2014 09:05 09/16/2014 12:08 MW

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, LOD/MDL, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7439-97-6 Mercury 0.227 mg/kg dry 0.0317 0.0317 1 EPA 7473 09/16/2014 07:03 09/16/2014 11:02 ALD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, LOD/MDL, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: solids * % Solids 94.7 % 0.100 0.100 1 SM 2540G 09/16/2014 09:15 09/16/2014 17:18 KK

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, LOD/MDL, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 18540-29-9 Chromium, Hexavalent ND mg/kg dry 0.369 0.528 1 EPA 7196A 09/16/2014 07:48 09/16/2014 16:45 SC

Sample Information

Client Sample ID: SP-8 10-12ft York Sample ID: 14I0534-02
York Project (SDG) No. 14I0534 Client Project ID 140127 551 Waverly Ave. Brooklyn, NY Matrix Soil Collection Date/Time September 12, 2014 3:00 pm Date Received 09/15/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, LOD/MDL, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows 1-6: 630-20-6 1,1,1,2-Tetrachloroethane ND ug/kg dry 2.1 4.2 1 EPA 8260C 09/16/2014 08:44 09/16/2014 10:47 BK; 71-55-6 1,1,1-Trichloroethane ND ug/kg dry 2.1 4.2 1 EPA 8260C 09/16/2014 08:44 09/16/2014 10:47 BK; 79-34-5 1,1,2,2-Tetrachloroethane ND ug/kg dry 2.1 4.2 1 EPA 8260C 09/16/2014 08:44 09/16/2014 10:47 BK; 76-13-1 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) ND ug/kg dry 2.1 4.2 1 EPA 8260C 09/16/2014 08:44 09/16/2014 10:47 BK; 79-00-5 1,1,2-Trichloroethane ND ug/kg dry 2.1 4.2 1 EPA 8260C 09/16/2014 08:44 09/16/2014 10:47 BK; 75-34-3 1,1-Dichloroethane ND ug/kg dry 2.1 4.2 1 EPA 8260C 09/16/2014 08:44 09/16/2014 10:47 BK



Sample Information

Client Sample ID: SP-8 10-12ft

York Sample ID: 14I0534-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0534

140127 551 Waverly Ave. Brooklyn, NY

Soil

September 12, 2014 3:00 pm

09/15/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	42	83	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
78-93-3	2-Butanone	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
67-64-1	Acetone	ND		ug/kg dry	2.1	8.3	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
71-43-2	Benzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
108-86-1	Bromobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
75-25-2	Bromoform	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
67-66-3	Chloroform	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK



Sample Information

Client Sample ID: SP-8 10-12ft

York Sample ID: 14I0534-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0534

140127 551 Waverly Ave. Brooklyn, NY

Soil

September 12, 2014 3:00 pm

09/15/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
75-09-2	Methylene chloride	ND		ug/kg dry	2.1	8.3	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
91-20-3	Naphthalene	ND		ug/kg dry	2.1	8.3	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.2	8.3	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
100-42-5	Styrene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
108-88-3	Toluene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.2	12	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/16/2014 08:44	09/16/2014 10:47	BK
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	114 %			67-130						
460-00-4	Surrogate: p-Bromofluorobenzene	118 %			75-127						
2037-26-5	Surrogate: Toluene-d8	98.2 %			90-112						



Sample Information

Client Sample ID: SP-8 10-12ft

York Sample ID: 14I0534-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0534

140127 551 Waverly Ave. Brooklyn, NY

Soil

September 12, 2014 3:00 pm

09/15/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
62-53-3	Aniline	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
120-12-7	Anthracene	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	87.8	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	87.8	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	87.8	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	87.8	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
218-01-9	Chrysene	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	174	348	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	87.8	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	87.8	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	174	348	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	87.8	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH



Sample Information

Client Sample ID: SP-8 10-12ft

York Sample ID: 14I0534-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0534

140127 551 Waverly Ave. Brooklyn, NY

Soil

September 12, 2014 3:00 pm

09/15/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
206-44-0	Fluoranthene	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
86-73-7	Fluorene	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	87.8	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
78-59-1	Isophorone	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	87.8	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	87.8	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
91-20-3	Naphthalene	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	87.8	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	87.8	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	87.8	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	87.8	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	87.8	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
85-01-8	Phenanthrene	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
108-95-2	Phenol	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
129-00-0	Pyrene	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
110-86-1	Pyridine	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	43.9	174	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:06	KH
	Surrogate Recoveries	Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	35.0 %		10-105							
4165-62-2	Surrogate: Phenol-d5	37.9 %		10-118							
4165-60-0	Surrogate: Nitrobenzene-d5	33.7 %		10-140							



Sample Information

Client Sample ID: SP-8 10-12ft

York Sample ID: 14I0534-02

York Project (SDG) No.

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Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	Surrogate: 2-Fluorobiphenyl	30.7 %			10-126						
118-79-6	Surrogate: 2,4,6-Tribromophenol	34.6 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	43.1 %			10-137						

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:17	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:17	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:17	JW
309-00-2	Aldrin	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:17	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:17	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:17	JW
57-74-9	Chlordane, total	ND		ug/kg dry	103	103	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:17	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:17	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:17	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:17	JW
959-98-8	Endosulfan I	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:17	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:17	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:17	JW
72-20-8	Endrin	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:17	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:17	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:17	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:17	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:17	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:17	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:17	JW
72-43-5	Methoxychlor	ND		ug/kg dry	12.9	12.9	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:17	JW
8001-35-2	Toxaphene	ND		ug/kg dry	131	131	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:17	JW
	Surrogate Recoveries	Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	79.6 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	71.6 %			30-140						



Sample Information

Client Sample ID: SP-8 10-12ft

York Sample ID: 14I0534-02

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Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0261	0.0261	1	EPA 8082A	09/15/2014 20:00	09/16/2014 11:56	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0261	0.0261	1	EPA 8082A	09/15/2014 20:00	09/16/2014 11:56	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0261	0.0261	1	EPA 8082A	09/15/2014 20:00	09/16/2014 11:56	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0261	0.0261	1	EPA 8082A	09/15/2014 20:00	09/16/2014 11:56	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0261	0.0261	1	EPA 8082A	09/15/2014 20:00	09/16/2014 11:56	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0261	0.0261	1	EPA 8082A	09/15/2014 20:00	09/16/2014 11:56	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0261	0.0261	1	EPA 8082A	09/15/2014 20:00	09/16/2014 11:56	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0261	0.0261	1	EPA 8082A	09/15/2014 20:00	09/16/2014 11:56	AMC

Surrogate Recoveries

Result

Acceptance Range

877-09-8 Surrogate: Tetrachloro-m-xylene 71.5 % 30-140

2051-24-3 Surrogate: Decachlorobiphenyl 70.5 % 30-140

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7870		mg/kg dry	1.04	1.04	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:25	MW
7440-36-0	Antimony	ND		mg/kg dry	0.522	0.522	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:25	MW
7440-38-2	Arsenic	2.40		mg/kg dry	1.04	1.04	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:25	MW
7440-39-3	Barium	42.8		mg/kg dry	1.04	1.04	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:25	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.104	0.104	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:25	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.313	0.313	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:25	MW
7440-70-2	Calcium	567		mg/kg dry	0.522	5.22	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:25	MW
7440-47-3	Chromium	15.0		mg/kg dry	0.522	0.522	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:25	MW
7440-48-4	Cobalt	6.82		mg/kg dry	0.522	0.522	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:25	MW
7440-50-8	Copper	19.2		mg/kg dry	0.522	0.522	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:25	MW
7439-89-6	Iron	15800		mg/kg dry	2.09	2.09	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:25	MW
7439-92-1	Lead	8.06		mg/kg dry	0.313	0.313	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:25	MW
7439-95-4	Magnesium	3360		mg/kg dry	5.22	5.22	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:25	MW
7439-96-5	Manganese	425		mg/kg dry	0.522	0.522	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:25	MW
7440-02-0	Nickel	36.4		mg/kg dry	0.522	0.522	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:25	MW
7440-09-7	Potassium	949		mg/kg dry	5.22	5.22	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:25	MW
7782-49-2	Selenium	1.20		mg/kg dry	1.04	1.04	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:25	MW
7440-22-4	Silver	ND		mg/kg dry	0.522	0.522	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:25	MW
7440-23-5	Sodium	92.8		mg/kg dry	10.4	10.4	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:25	MW
7440-28-0	Thallium	ND		mg/kg dry	1.04	1.04	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:25	MW
7440-62-2	Vanadium	28.5		mg/kg dry	1.04	1.04	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:25	MW



Sample Information

Client Sample ID: SP-8 10-12ft

York Sample ID: 14I0534-02

York Project (SDG) No.

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Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	32.4		mg/kg dry	1.04	1.04	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:25	MW

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0313	0.0313	1	EPA 7473	09/16/2014 07:03	09/16/2014 11:11	ALD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	95.7		%	0.100	0.100	1	SM 2540G	09/16/2014 09:15	09/16/2014 17:18	KK

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.366	0.522	1	EPA 7196A	09/16/2014 07:48	09/16/2014 16:45	SC

Sample Information

Client Sample ID: SP-9 0-2ft

York Sample ID: 14I0534-03

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

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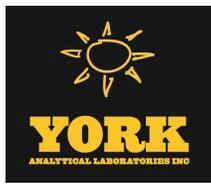
Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK



Sample Information

Client Sample ID: SP-9 0-2ft

York Sample ID: 14I0534-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0534

140127 551 Waverly Ave. Brooklyn, NY

Soil

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09/15/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	46	91	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
78-93-3	2-Butanone	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
67-64-1	Acetone	6.9	Cal-E, CCV-E, J, B	ug/kg dry	2.3	9.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
71-43-2	Benzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
108-86-1	Bromobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
75-25-2	Bromoform	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
67-66-3	Chloroform	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK



Sample Information

Client Sample ID: SP-9 0-2ft

York Sample ID: 14I0534-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0534

140127 551 Waverly Ave. Brooklyn, NY

Soil

September 12, 2014 3:00 pm

09/15/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-95-3	Dibromomethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
75-09-2	Methylene chloride	ND		ug/kg dry	2.3	9.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
91-20-3	Naphthalene	ND		ug/kg dry	2.3	9.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.6	9.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
100-42-5	Styrene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
108-88-3	Toluene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.8	14	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:21	BK
	Surrogate Recoveries	Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	109 %		67-130							
460-00-4	Surrogate: p-Bromofluorobenzene	107 %		75-127							
2037-26-5	Surrogate: Toluene-d8	98.8 %		90-112							



Sample Information

Client Sample ID: SP-9 0-2ft

York Sample ID: 14I0534-03

York Project (SDG) No.

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14I0534

140127 551 Waverly Ave. Brooklyn, NY

Soil

September 12, 2014 3:00 pm

09/15/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	691	J	ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
62-53-3	Aniline	ND		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
120-12-7	Anthracene	1110		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
56-55-3	Benzo(a)anthracene	2700		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
50-32-8	Benzo(a)pyrene	1260		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
205-99-2	Benzo(b)fluoranthene	1100		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
191-24-2	Benzo(g,h,i)perylene	806	J	ug/kg dry	454	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
207-08-9	Benzo(k)fluoranthene	1270		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	454	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	454	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	454	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
218-01-9	Chrysene	2540		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
53-70-3	Dibenzo(a,h)anthracene	417	J	ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
132-64-9	Dibenzofuran	299	J	ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	903	1800	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	454	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	454	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	903	1800	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	454	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH



Sample Information

Client Sample ID: SP-9 0-2ft

York Sample ID: 14I0534-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0534

140127 551 Waverly Ave. Brooklyn, NY

Soil

September 12, 2014 3:00 pm

09/15/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
206-44-0	Fluoranthene	4740		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
86-73-7	Fluorene	602	J	ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	454	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
193-39-5	Indeno(1,2,3-cd)pyrene	817	J	ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
78-59-1	Isophorone	ND		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	454	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	454	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
91-20-3	Naphthalene	530	J	ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	454	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	454	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	454	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	454	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	454	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
85-01-8	Phenanthrene	5430		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
108-95-2	Phenol	ND		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
129-00-0	Pyrene	5040		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
110-86-1	Pyridine	ND		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	227	902	5	EPA 8270D	09/15/2014 21:43	09/16/2014 13:06	KH

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	55.3 %	10-105
4165-62-2	Surrogate: Phenol-d5	65.2 %	10-118
4165-60-0	Surrogate: Nitrobenzene-d5	57.5 %	10-140
321-60-8	Surrogate: 2-Fluorobiphenyl	61.6 %	10-126
118-79-6	Surrogate: 2,4,6-Tribromophenol	39.1 %	10-150



Sample Information

Client Sample ID: SP-9 0-2ft

York Sample ID: 14I0534-03

York Project (SDG) No.

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14I0534

140127 551 Waverly Ave. Brooklyn, NY

Soil

September 12, 2014 3:00 pm

09/15/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1718-51-0	Surrogate: Terphenyl-d14	65.0 %			10-137						

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.68	2.68	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:33	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.68	2.68	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:33	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	2.68	2.68	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:33	JW
309-00-2	Aldrin	ND		ug/kg dry	2.68	2.68	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:33	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.68	2.68	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:33	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.68	2.68	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:33	JW
57-74-9	Chlordane, total	ND		ug/kg dry	107	107	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:33	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	2.68	2.68	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:33	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.68	2.68	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:33	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.68	2.68	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:33	JW
959-98-8	Endosulfan I	ND		ug/kg dry	2.68	2.68	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:33	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.68	2.68	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:33	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.68	2.68	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:33	JW
72-20-8	Endrin	ND		ug/kg dry	2.68	2.68	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:33	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.68	2.68	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:33	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	2.68	2.68	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:33	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.68	2.68	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:33	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.68	2.68	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:33	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.68	2.68	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:33	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.68	2.68	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:33	JW
72-43-5	Methoxychlor	ND		ug/kg dry	13.4	13.4	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:33	JW
8001-35-2	Toxaphene	ND		ug/kg dry	136	136	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:33	JW
	Surrogate Recoveries	Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	70.8 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	66.8 %			30-140						



Sample Information

Client Sample ID: SP-9 0-2ft

York Sample ID: 14I0534-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0534

140127 551 Waverly Ave. Brooklyn, NY

Soil

September 12, 2014 3:00 pm

09/15/2014

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0270	0.0270	1	EPA 8082A	09/15/2014 20:00	09/16/2014 12:13	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0270	0.0270	1	EPA 8082A	09/15/2014 20:00	09/16/2014 12:13	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0270	0.0270	1	EPA 8082A	09/15/2014 20:00	09/16/2014 12:13	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0270	0.0270	1	EPA 8082A	09/15/2014 20:00	09/16/2014 12:13	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0270	0.0270	1	EPA 8082A	09/15/2014 20:00	09/16/2014 12:13	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0270	0.0270	1	EPA 8082A	09/15/2014 20:00	09/16/2014 12:13	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0270	0.0270	1	EPA 8082A	09/15/2014 20:00	09/16/2014 12:13	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0270	0.0270	1	EPA 8082A	09/15/2014 20:00	09/16/2014 12:13	AMC

Surrogate Recoveries

Result

Acceptance Range

877-09-8 Surrogate: Tetrachloro-m-xylene 75.5 % 30-140

2051-24-3 Surrogate: Decachlorobiphenyl 80.5 % 30-140

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6270		mg/kg dry	1.08	1.08	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:29	MW
7440-36-0	Antimony	ND		mg/kg dry	0.541	0.541	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:29	MW
7440-38-2	Arsenic	3.40		mg/kg dry	1.08	1.08	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:29	MW
7440-39-3	Barium	100		mg/kg dry	1.08	1.08	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:29	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.108	0.108	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:29	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.325	0.325	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:29	MW
7440-70-2	Calcium	20100		mg/kg dry	0.541	5.41	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:29	MW
7440-47-3	Chromium	11.2		mg/kg dry	0.541	0.541	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:29	MW
7440-48-4	Cobalt	5.12		mg/kg dry	0.541	0.541	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:29	MW
7440-50-8	Copper	25.6		mg/kg dry	0.541	0.541	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:29	MW
7439-89-6	Iron	12000		mg/kg dry	2.16	2.16	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:29	MW
7439-92-1	Lead	72.7		mg/kg dry	0.325	0.325	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:29	MW
7439-95-4	Magnesium	2340		mg/kg dry	5.41	5.41	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:29	MW
7439-96-5	Manganese	246		mg/kg dry	0.541	0.541	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:29	MW
7440-02-0	Nickel	20.5		mg/kg dry	0.541	0.541	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:29	MW
7440-09-7	Potassium	1150		mg/kg dry	5.41	5.41	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:29	MW
7782-49-2	Selenium	1.23		mg/kg dry	1.08	1.08	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:29	MW
7440-22-4	Silver	ND		mg/kg dry	0.541	0.541	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:29	MW
7440-23-5	Sodium	1250		mg/kg dry	10.8	10.8	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:29	MW
7440-28-0	Thallium	ND		mg/kg dry	1.08	1.08	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:29	MW
7440-62-2	Vanadium	19.0		mg/kg dry	1.08	1.08	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:29	MW



Sample Information

Client Sample ID: SP-9 0-2ft York Sample ID: 14I0534-03
York Project (SDG) No. 14I0534 Client Project ID 140127 551 Waverly Ave. Brooklyn, NY Matrix Soil Collection Date/Time September 12, 2014 3:00 pm Date Received 09/15/2014

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, LOD/MDL, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7440-66-6 Zinc 93.9 mg/kg dry 1.08 1.08 1 EPA 6010C 09/16/2014 09:05 09/16/2014 12:29 MW

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, LOD/MDL, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7439-97-6 Mercury 0.118 mg/kg dry 0.0325 0.0325 1 EPA 7473 09/16/2014 07:03 09/16/2014 11:20 ALD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, LOD/MDL, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: solids * % Solids 92.4 % 0.100 0.100 1 SM 2540G 09/16/2014 09:15 09/16/2014 17:18 KK

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, LOD/MDL, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 18540-29-9 Chromium, Hexavalent ND mg/kg dry 0.379 0.541 1 EPA 7196A 09/16/2014 07:48 09/16/2014 16:45 SC

Sample Information

Client Sample ID: SP-9 10-12ft York Sample ID: 14I0534-04
York Project (SDG) No. 14I0534 Client Project ID 140127 551 Waverly Ave. Brooklyn, NY Matrix Soil Collection Date/Time September 12, 2014 3:00 pm Date Received 09/15/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, LOD/MDL, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows 1-6: 630-20-6 1,1,1,2-Tetrachloroethane ND ug/kg dry 2.0 4.1 1 EPA 8260C 09/16/2014 08:44 09/16/2014 11:54 BK; 71-55-6 1,1,1-Trichloroethane ND ug/kg dry 2.0 4.1 1 EPA 8260C 09/16/2014 08:44 09/16/2014 11:54 BK; 79-34-5 1,1,2,2-Tetrachloroethane ND ug/kg dry 2.0 4.1 1 EPA 8260C 09/16/2014 08:44 09/16/2014 11:54 BK; 76-13-1 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) ND ug/kg dry 2.0 4.1 1 EPA 8260C 09/16/2014 08:44 09/16/2014 11:54 BK; 79-00-5 1,1,2-Trichloroethane ND ug/kg dry 2.0 4.1 1 EPA 8260C 09/16/2014 08:44 09/16/2014 11:54 BK; 75-34-3 1,1-Dichloroethane ND ug/kg dry 2.0 4.1 1 EPA 8260C 09/16/2014 08:44 09/16/2014 11:54 BK



Sample Information

Client Sample ID: SP-9 10-12ft

York Sample ID: 14I0534-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0534

140127 551 Waverly Ave. Brooklyn, NY

Soil

September 12, 2014 3:00 pm

09/15/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	41	81	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
78-93-3	2-Butanone	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
67-64-1	Acetone	8.7	Cal-E, CCV-E, B	ug/kg dry	2.0	8.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
71-43-2	Benzene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
108-86-1	Bromobenzene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
75-25-2	Bromoform	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
67-66-3	Chloroform	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK



Sample Information

Client Sample ID: SP-9 10-12ft

York Sample ID: 14I0534-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0534

140127 551 Waverly Ave. Brooklyn, NY

Soil

September 12, 2014 3:00 pm

09/15/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-95-3	Dibromomethane	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
75-09-2	Methylene chloride	ND		ug/kg dry	2.0	8.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
91-20-3	Naphthalene	ND		ug/kg dry	2.0	8.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.1	8.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
100-42-5	Styrene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
108-88-3	Toluene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.1	12	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	09/16/2014 08:44	09/16/2014 11:54	BK
	Surrogate Recoveries	Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	109 %		67-130							
460-00-4	Surrogate: p-Bromofluorobenzene	115 %		75-127							
2037-26-5	Surrogate: Toluene-d8	98.2 %		90-112							



Sample Information

Client Sample ID: SP-9 10-12ft

York Sample ID: 14I0534-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0534

140127 551 Waverly Ave. Brooklyn, NY

Soil

September 12, 2014 3:00 pm

09/15/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
62-53-3	Aniline	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
120-12-7	Anthracene	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	89.8	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	89.8	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	89.8	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	89.8	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
218-01-9	Chrysene	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	179	356	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	89.8	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	89.8	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	179	356	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	89.8	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH



Sample Information

Client Sample ID: SP-9 10-12ft

York Sample ID: 14I0534-04

York Project (SDG) No.

Client Project ID

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140127 551 Waverly Ave. Brooklyn, NY

Soil

September 12, 2014 3:00 pm

09/15/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
206-44-0	Fluoranthene	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
86-73-7	Fluorene	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	89.8	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
78-59-1	Isophorone	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	89.8	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	89.8	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
91-20-3	Naphthalene	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	89.8	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	89.8	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	89.8	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	89.8	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	89.8	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
85-01-8	Phenanthrene	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
108-95-2	Phenol	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
129-00-0	Pyrene	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
110-86-1	Pyridine	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	44.9	178	1	EPA 8270D	09/15/2014 21:43	09/16/2014 12:36	KH
	Surrogate Recoveries	Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	46.3 %		10-105							
4165-62-2	Surrogate: Phenol-d5	50.2 %		10-118							
4165-60-0	Surrogate: Nitrobenzene-d5	46.1 %		10-140							



Sample Information

Client Sample ID: SP-9 10-12ft

York Sample ID: 14I0534-04

York Project (SDG) No.

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140127 551 Waverly Ave. Brooklyn, NY

Soil

September 12, 2014 3:00 pm

09/15/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	Surrogate: 2-Fluorobiphenyl	39.0 %			10-126						
118-79-6	Surrogate: 2,4,6-Tribromophenol	43.3 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	50.4 %			10-137						

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:49	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:49	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:49	JW
309-00-2	Aldrin	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:49	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:49	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:49	JW
57-74-9	Chlordane, total	ND		ug/kg dry	106	106	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:49	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:49	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:49	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:49	JW
959-98-8	Endosulfan I	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:49	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:49	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:49	JW
72-20-8	Endrin	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:49	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:49	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:49	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:49	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:49	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:49	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:49	JW
72-43-5	Methoxychlor	ND		ug/kg dry	13.2	13.2	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:49	JW
8001-35-2	Toxaphene	ND		ug/kg dry	134	134	5	EPA 8081B	09/15/2014 20:00	09/16/2014 11:49	JW
	Surrogate Recoveries	Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	76.9 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	62.1 %			30-140						



Sample Information

Client Sample ID: SP-9 10-12ft

York Sample ID: 14I0534-04

York Project (SDG) No.

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140127 551 Waverly Ave. Brooklyn, NY

Soil

September 12, 2014 3:00 pm

09/15/2014

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0267	0.0267	1	EPA 8082A	09/15/2014 20:00	09/16/2014 12:33	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0267	0.0267	1	EPA 8082A	09/15/2014 20:00	09/16/2014 12:33	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0267	0.0267	1	EPA 8082A	09/15/2014 20:00	09/16/2014 12:33	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0267	0.0267	1	EPA 8082A	09/15/2014 20:00	09/16/2014 12:33	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0267	0.0267	1	EPA 8082A	09/15/2014 20:00	09/16/2014 12:33	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0267	0.0267	1	EPA 8082A	09/15/2014 20:00	09/16/2014 12:33	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0267	0.0267	1	EPA 8082A	09/15/2014 20:00	09/16/2014 12:33	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0267	0.0267	1	EPA 8082A	09/15/2014 20:00	09/16/2014 12:33	AMC

Surrogate Recoveries

Result

Acceptance Range

877-09-8 Surrogate: Tetrachloro-m-xylene 65.5 % 30-140

2051-24-3 Surrogate: Decachlorobiphenyl 54.5 % 30-140

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9840		mg/kg dry	1.07	1.07	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:34	MW
7440-36-0	Antimony	ND		mg/kg dry	0.535	0.535	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:34	MW
7440-38-2	Arsenic	2.43		mg/kg dry	1.07	1.07	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:34	MW
7440-39-3	Barium	37.1		mg/kg dry	1.07	1.07	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:34	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.107	0.107	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:34	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.321	0.321	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:34	MW
7440-70-2	Calcium	346		mg/kg dry	0.535	5.35	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:34	MW
7440-47-3	Chromium	14.9		mg/kg dry	0.535	0.535	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:34	MW
7440-48-4	Cobalt	7.38		mg/kg dry	0.535	0.535	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:34	MW
7440-50-8	Copper	18.1		mg/kg dry	0.535	0.535	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:34	MW
7439-89-6	Iron	18900		mg/kg dry	2.14	2.14	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:34	MW
7439-92-1	Lead	6.62		mg/kg dry	0.321	0.321	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:34	MW
7439-95-4	Magnesium	3280		mg/kg dry	5.35	5.35	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:34	MW
7439-96-5	Manganese	385		mg/kg dry	0.535	0.535	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:34	MW
7440-02-0	Nickel	28.3		mg/kg dry	0.535	0.535	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:34	MW
7440-09-7	Potassium	1140		mg/kg dry	5.35	5.35	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:34	MW
7782-49-2	Selenium	ND		mg/kg dry	1.07	1.07	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:34	MW
7440-22-4	Silver	ND		mg/kg dry	0.535	0.535	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:34	MW
7440-23-5	Sodium	294		mg/kg dry	10.7	10.7	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:34	MW
7440-28-0	Thallium	ND		mg/kg dry	1.07	1.07	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:34	MW
7440-62-2	Vanadium	21.4		mg/kg dry	1.07	1.07	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:34	MW



Sample Information

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140127 551 Waverly Ave. Brooklyn, NY

Soil

September 12, 2014 3:00 pm

09/15/2014

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	39.5		mg/kg dry	1.07	1.07	1	EPA 6010C	09/16/2014 09:05	09/16/2014 12:34	MW

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0321	0.0321	1	EPA 7473	09/16/2014 07:03	09/16/2014 11:29	ALD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	93.5		%	0.100	0.100	1	SM 2540G	09/16/2014 09:15	09/16/2014 17:18	KK

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.374	0.535	1	EPA 7196A	09/16/2014 07:48	09/16/2014 16:45	SC



Analytical Batch Summary

Batch ID: BI40693 **Preparation Method:** EPA 3545A **Prepared By:** DB

YORK Sample ID	Client Sample ID	Preparation Date
14I0534-01	SP-8 0-2ft	09/15/14
14I0534-01	SP-8 0-2ft	09/15/14
14I0534-02	SP-8 10-12ft	09/15/14
14I0534-02	SP-8 10-12ft	09/15/14
14I0534-03	SP-9 0-2ft	09/15/14
14I0534-03	SP-9 0-2ft	09/15/14
14I0534-04	SP-9 10-12ft	09/15/14
14I0534-04	SP-9 10-12ft	09/15/14
BI40693-BLK1	Blank	09/15/14
BI40693-BLK1	Blank	09/15/14
BI40693-BS1	LCS	09/15/14
BI40693-BS2	LCS	09/15/14
BI40693-BSD1	LCS Dup	09/15/14
BI40693-BSD2	LCS Dup	09/15/14
BI40693-MS1	Matrix Spike	09/15/14

Batch ID: BI40718 **Preparation Method:** EPA 3550C **Prepared By:** SA

YORK Sample ID	Client Sample ID	Preparation Date
14I0534-01	SP-8 0-2ft	09/15/14
14I0534-02	SP-8 10-12ft	09/15/14
14I0534-03	SP-9 0-2ft	09/15/14
14I0534-04	SP-9 10-12ft	09/15/14
BI40718-BLK1	Blank	09/15/14
BI40718-BS1	LCS	09/15/14
BI40718-BSD1	LCS Dup	09/15/14
BI40718-MS1	Matrix Spike	09/15/14

Batch ID: BI40719 **Preparation Method:** EPA 7473 soil **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
14I0534-01	SP-8 0-2ft	09/16/14
14I0534-02	SP-8 10-12ft	09/16/14
14I0534-03	SP-9 0-2ft	09/16/14
14I0534-04	SP-9 10-12ft	09/16/14
BI40719-BLK1	Blank	09/16/14
BI40719-SRM1	Reference	09/16/14

Batch ID: BI40723 **Preparation Method:** EPA SW846-3060 **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
14I0534-01	SP-8 0-2ft	09/16/14
14I0534-02	SP-8 10-12ft	09/16/14
14I0534-03	SP-9 0-2ft	09/16/14



14I0534-04	SP-9 10-12ft	09/16/14
BI40723-BLK1	Blank	09/16/14
BI40723-SRM1	Reference	09/16/14

Batch ID: BI40736 **Preparation Method:** EPA 3050B **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14I0534-01	SP-8 0-2ft	09/16/14
14I0534-02	SP-8 10-12ft	09/16/14
14I0534-03	SP-9 0-2ft	09/16/14
14I0534-04	SP-9 10-12ft	09/16/14
BI40736-BLK1	Blank	09/16/14
BI40736-SRM1	Reference	09/16/14

Batch ID: BI40742 **Preparation Method:** % Solids Prep **Prepared By:** KK

YORK Sample ID	Client Sample ID	Preparation Date
14I0534-01	SP-8 0-2ft	09/16/14
14I0534-02	SP-8 10-12ft	09/16/14
14I0534-03	SP-9 0-2ft	09/16/14
14I0534-04	SP-9 10-12ft	09/16/14
BI40742-DUP1	Duplicate	09/16/14

Batch ID: BI40751 **Preparation Method:** EPA 5035A **Prepared By:** OW

YORK Sample ID	Client Sample ID	Preparation Date
14I0534-01	SP-8 0-2ft	09/16/14
14I0534-02	SP-8 10-12ft	09/16/14
14I0534-03	SP-9 0-2ft	09/16/14
14I0534-04	SP-9 10-12ft	09/16/14
BI40751-BLK1	Blank	09/16/14
BI40751-BS1	LCS	09/16/14
BI40751-BSD1	LCS Dup	09/16/14



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI40751 - EPA 5035A

Blank (BI40751-BLK1)

Prepared & Analyzed: 09/16/2014

1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	3.9	10	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	10	"								
Naphthalene	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI40751 - EPA 5035A

Blank (BI40751-BLK1)

Prepared & Analyzed: 09/16/2014

o-Xylene	ND	5.0	ug/kg wet								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Vinyl acetate	ND	5.0	"								
Surrogate: 1,2-Dichloroethane-d4	56.2		ug/L	50.0		112	67-130				
Surrogate: p-Bromofluorobenzene	54.4		"	50.0		109	75-127				
Surrogate: Toluene-d8	48.5		"	50.0		97.0	90-112				

LCS (BI40751-BS1)

Prepared & Analyzed: 09/16/2014

1,1,1,2-Tetrachloroethane	48.2		ug/L	50.0		96.5	72-126				
1,1,1-Trichloroethane	50.5		"	50.0		101	74-126				
1,1,2,2-Tetrachloroethane	48.0		"	50.0		96.1	72-133				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46.2		"	50.0		92.5	47-160				
1,1,2-Trichloroethane	45.5		"	50.0		91.1	81-124				
1,1-Dichloroethane	44.6		"	50.0		89.3	80-125				
1,1-Dichloroethylene	47.8		"	50.0		95.7	62-136				
1,1-Dichloropropylene	46.4		"	50.0		92.7	81-121				
1,2,3-Trichlorobenzene	48.8		"	50.0		97.5	63-154				
1,2,3-Trichloropropane	50.0		"	50.0		100	70-126				
1,2,4-Trichlorobenzene	48.0		"	50.0		96.1	61-158				
1,2,4-Trimethylbenzene	46.0		"	50.0		92.0	83-123				
1,2-Dibromo-3-chloropropane	55.6		"	50.0		111	48-152				
1,2-Dibromoethane	48.2		"	50.0		96.4	81-123				
1,2-Dichlorobenzene	46.1		"	50.0		92.2	81-117				
1,2-Dichloroethane	51.1		"	50.0		102	67-129				
1,2-Dichloropropane	41.4		"	50.0		82.8	74-127				
1,3,5-Trimethylbenzene	45.3		"	50.0		90.5	81-120				
1,3-Dichlorobenzene	46.2		"	50.0		92.3	84-117				
1,3-Dichloropropane	45.4		"	50.0		90.8	77-125				
1,4-Dichlorobenzene	47.7		"	50.0		95.4	85-118				
1,4-Dioxane	102.0		"	1000		102	31-190				
2,2-Dichloropropane	50.5		"	50.0		101	69-129				
2-Butanone	50.8		"	50.0		102	58-159				
2-Chlorotoluene	46.3		"	50.0		92.6	75-123				
4-Chlorotoluene	46.1		"	50.0		92.2	76-121				
Acetone	59.4		"	50.0		119	32-173				
Benzene	44.4		"	50.0		88.7	83-126				
Bromobenzene	44.1		"	50.0		88.3	70-130				
Bromochloromethane	45.9		"	50.0		91.7	73-128				
Bromodichloromethane	48.5		"	50.0		97.0	74-126				
Bromoform	54.8		"	50.0		110	63-137				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI40751 - EPA 5035A

LCS (BI40751-BS1)

Prepared & Analyzed: 09/16/2014

Bromomethane	35.6		ug/L	50.0		71.3	24-144				
Carbon tetrachloride	52.2		"	50.0		104	68-132				
Chlorobenzene	45.2		"	50.0		90.5	87-115				
Chloroethane	41.7		"	50.0		83.4	39-146				
Chloroform	48.1		"	50.0		96.2	84-120				
Chloromethane	32.3		"	50.0		64.5	35-153				
cis-1,2-Dichloroethylene	44.4		"	50.0		88.9	86-121				
cis-1,3-Dichloropropylene	46.4		"	50.0		92.8	78-122				
Dibromochloromethane	51.7		"	50.0		103	41-149				
Dibromomethane	48.1		"	50.0		96.2	82-118				
Dichlorodifluoromethane	32.6		"	50.0		65.2	52-143				
Ethyl Benzene	45.4		"	50.0		90.9	81-118				
Hexachlorobutadiene	50.4		"	50.0		101	70-133				
Isopropylbenzene	45.4		"	50.0		90.8	78-122				
Methyl tert-butyl ether (MTBE)	48.5		"	50.0		96.9	62-140				
Methylene chloride	39.4		"	50.0		78.7	48-143				
Naphthalene	45.7		"	50.0		91.4	55-160				
n-Butylbenzene	46.4		"	50.0		92.7	71-142				
n-Propylbenzene	45.5		"	50.0		90.9	80-123				
o-Xylene	46.9		"	50.0		93.9	81-118				
p- & m- Xylenes	92.7		"	100		92.7	80-120				
p-Isopropyltoluene	46.0		"	50.0		91.9	83-126				
sec-Butylbenzene	45.7		"	50.0		91.4	84-123				
Styrene	46.1		"	50.0		92.2	85-115				
tert-Butylbenzene	45.1		"	50.0		90.2	78-122				
Tetrachloroethylene	45.7		"	50.0		91.3	76-129				
Toluene	43.9		"	50.0		87.9	85-116				
trans-1,2-Dichloroethylene	44.6		"	50.0		89.3	66-136				
trans-1,3-Dichloropropylene	49.9		"	50.0		99.9	71-128				
Trichloroethylene	45.7		"	50.0		91.4	83-118				
Trichlorofluoromethane	47.2		"	50.0		94.3	54-141				
Vinyl Chloride	37.8		"	50.0		75.6	38-147				
Vinyl acetate	48.3		"	50.0		96.7	67-136				
Surrogate: 1,2-Dichloroethane-d4	57.4		"	50.0		115	67-130				
Surrogate: p-Bromofluorobenzene	52.3		"	50.0		105	75-127				
Surrogate: Toluene-d8	48.8		"	50.0		97.6	90-112				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI40751 - EPA 5035A											
LCS Dup (BI40751-BS01)											
Prepared & Analyzed: 09/16/2014											
1,1,1,2-Tetrachloroethane	52.9		ug/L	50.0		106	72-126		9.21	30	
1,1,1-Trichloroethane	56.7		"	50.0		113	74-126		11.5	30	
1,1,2,2-Tetrachloroethane	50.2		"	50.0		100	72-133		4.30	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51.4		"	50.0		103	47-160		10.6	30	
1,1,2-Trichloroethane	50.2		"	50.0		100	81-124		9.72	30	
1,1-Dichloroethane	50.5		"	50.0		101	80-125		12.2	30	
1,1-Dichloroethylene	55.1		"	50.0		110	62-136		14.2	30	
1,1-Dichloropropylene	52.6		"	50.0		105	81-121		12.5	30	
1,2,3-Trichlorobenzene	54.7		"	50.0		109	63-154		11.5	30	
1,2,3-Trichloropropane	54.1		"	50.0		108	70-126		7.92	30	
1,2,4-Trichlorobenzene	54.2		"	50.0		108	61-158		12.0	30	
1,2,4-Trimethylbenzene	52.1		"	50.0		104	83-123		12.4	30	
1,2-Dibromo-3-chloropropane	60.5		"	50.0		121	48-152		8.51	30	
1,2-Dibromoethane	54.0		"	50.0		108	81-123		11.3	30	
1,2-Dichlorobenzene	52.9		"	50.0		106	81-117		13.8	30	
1,2-Dichloroethane	56.2		"	50.0		112	67-129		9.48	30	
1,2-Dichloropropane	47.2		"	50.0		94.4	74-127		13.1	30	
1,3,5-Trimethylbenzene	51.4		"	50.0		103	81-120		12.7	30	
1,3-Dichlorobenzene	51.8		"	50.0		104	84-117		11.4	30	
1,3-Dichloropropane	50.7		"	50.0		101	77-125		11.0	30	
1,4-Dichlorobenzene	52.2		"	50.0		104	85-118		8.93	30	
1,4-Dioxane	1000		"	1000		100	31-190		1.49	30	
2,2-Dichloropropane	56.1		"	50.0		112	69-129		10.5	30	
2-Butanone	44.5		"	50.0		89.0	58-159		13.3	30	
2-Chlorotoluene	51.7		"	50.0		103	75-123		11.0	30	
4-Chlorotoluene	51.7		"	50.0		103	76-121		11.4	30	
Acetone	44.7		"	50.0		89.4	32-173		28.3	30	
Benzene	49.4		"	50.0		98.7	83-126		10.7	30	
Bromobenzene	50.3		"	50.0		101	70-130		13.1	30	
Bromochloromethane	50.2		"	50.0		100	73-128		9.09	30	
Bromodichloromethane	56.0		"	50.0		112	74-126		14.3	30	
Bromoform	58.6		"	50.0		117	63-137		6.69	30	
Bromomethane	41.5		"	50.0		82.9	24-144		15.1	30	
Carbon tetrachloride	58.9		"	50.0		118	68-132		12.2	30	
Chlorobenzene	51.2		"	50.0		102	87-115		12.2	30	
Chloroethane	45.9		"	50.0		91.9	39-146		9.65	30	
Chloroform	53.4		"	50.0		107	84-120		10.3	30	
Chloromethane	37.1		"	50.0		74.2	35-153		14.0	30	
cis-1,2-Dichloroethylene	51.0		"	50.0		102	86-121		13.8	30	
cis-1,3-Dichloropropylene	51.8		"	50.0		104	78-122		11.1	30	
Dibromochloromethane	58.3		"	50.0		117	41-149		12.0	30	
Dibromomethane	53.5		"	50.0		107	82-118		10.6	30	
Dichlorodifluoromethane	38.2		"	50.0		76.4	52-143		15.7	30	
Ethyl Benzene	50.5		"	50.0		101	81-118		10.6	30	
Hexachlorobutadiene	56.9		"	50.0		114	70-133		12.2	30	
Isopropylbenzene	50.7		"	50.0		101	78-122		11.0	30	
Methyl tert-butyl ether (MTBE)	53.7		"	50.0		107	62-140		10.3	30	
Methylene chloride	44.8		"	50.0		89.7	48-143		13.0	30	
Naphthalene	54.1		"	50.0		108	55-160		16.8	30	
n-Butylbenzene	52.5		"	50.0		105	71-142		12.4	30	
n-Propylbenzene	50.9		"	50.0		102	80-123		11.2	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI40751 - EPA 5035A

LCS Dup (BI40751-BSD1)

Prepared & Analyzed: 09/16/2014

o-Xylene	51.8		ug/L	50.0		104	81-118		9.77	30	
p- & m- Xylenes	104		"	100		104	80-120		11.8	30	
p-Isopropyltoluene	52.2		"	50.0		104	83-126		12.7	30	
sec-Butylbenzene	51.1		"	50.0		102	84-123		11.3	30	
Styrene	51.0		"	50.0		102	85-115		10.2	30	
tert-Butylbenzene	51.3		"	50.0		103	78-122		12.9	30	
Tetrachloroethylene	50.6		"	50.0		101	76-129		10.3	30	
Toluene	49.8		"	50.0		99.7	85-116		12.6	30	
trans-1,2-Dichloroethylene	51.1		"	50.0		102	66-136		13.6	30	
trans-1,3-Dichloropropylene	54.7		"	50.0		109	71-128		9.12	30	
Trichloroethylene	52.0		"	50.0		104	83-118		13.0	30	
Trichlorofluoromethane	53.5		"	50.0		107	54-141		12.6	30	
Vinyl Chloride	43.4		"	50.0		86.8	38-147		13.8	30	
Vinyl acetate	51.6		"	50.0		103	67-136		6.49	30	
Surrogate: 1,2-Dichloroethane-d4	54.6		"	50.0		109	67-130				
Surrogate: p-Bromofluorobenzene	51.8		"	50.0		104	75-127				
Surrogate: Toluene-d8	48.8		"	50.0		97.6	90-112				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit								RPD	

Batch BI40718 - EPA 3550C

Blank (BI40718-BLK1)

Prepared: 09/15/2014 Analyzed: 09/16/2014

Acenaphthene	ND	167	ug/kg wet								
Acenaphthylene	ND	167	"								
Aniline	ND	167	"								
Anthracene	ND	167	"								
Benzo(a)anthracene	ND	167	"								
Benzo(a)pyrene	ND	167	"								
Benzo(b)fluoranthene	ND	167	"								
Benzo(g,h,i)perylene	ND	167	"								
Benzo(k)fluoranthene	ND	167	"								
Benzyl alcohol	ND	167	"								
Benzyl butyl phthalate	ND	167	"								
4-Bromophenyl phenyl ether	ND	167	"								
4-Chloro-3-methylphenol	ND	167	"								
4-Chloroaniline	ND	167	"								
Bis(2-chloroethoxy)methane	ND	167	"								
Bis(2-chloroethyl)ether	ND	167	"								
Bis(2-chloroisopropyl)ether	ND	167	"								
2-Chloronaphthalene	ND	167	"								
2-Chlorophenol	ND	167	"								
4-Chlorophenyl phenyl ether	ND	167	"								
Chrysene	ND	167	"								
Dibenzo(a,h)anthracene	ND	167	"								
Dibenzofuran	ND	167	"								
Di-n-butyl phthalate	ND	167	"								
1,3-Dichlorobenzene	ND	167	"								
1,4-Dichlorobenzene	ND	167	"								
1,2-Dichlorobenzene	ND	167	"								
3,3'-Dichlorobenzidine	ND	333	"								
2,4-Dichlorophenol	ND	167	"								
Diethyl phthalate	ND	167	"								
2,4-Dimethylphenol	ND	167	"								
Dimethyl phthalate	ND	167	"								
4,6-Dinitro-2-methylphenol	ND	167	"								
2,4-Dinitrophenol	ND	333	"								
2,4-Dinitrotoluene	ND	167	"								
2,6-Dinitrotoluene	ND	167	"								
Di-n-octyl phthalate	ND	167	"								
Bis(2-ethylhexyl)phthalate	ND	167	"								
Fluoranthene	ND	167	"								
Fluorene	ND	167	"								
Hexachlorobenzene	ND	167	"								
Hexachlorobutadiene	ND	167	"								
Hexachlorocyclopentadiene	ND	167	"								
Hexachloroethane	ND	167	"								
Indeno(1,2,3-cd)pyrene	ND	167	"								
Isophorone	ND	167	"								
2-Methylnaphthalene	ND	167	"								
2-Methylphenol	ND	167	"								
3- & 4-Methylphenols	ND	167	"								
Naphthalene	ND	167	"								
3-Nitroaniline	ND	167	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting		Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit	Units							Level	Result

Batch BI40718 - EPA 3550C

Blank (BI40718-BLK1)

Prepared: 09/15/2014 Analyzed: 09/16/2014

2-Nitroaniline	ND	167	ug/kg wet								
4-Nitroaniline	ND	167	"								
Nitrobenzene	ND	167	"								
2-Nitrophenol	ND	167	"								
4-Nitrophenol	ND	167	"								
N-nitroso-di-n-propylamine	ND	167	"								
N-Nitrosodimethylamine	ND	167	"								
N-Nitrosodiphenylamine	ND	167	"								
Pentachlorophenol	ND	167	"								
Phenanthrene	ND	167	"								
Phenol	ND	167	"								
Pyrene	ND	167	"								
Pyridine	ND	167	"								
1,2,4-Trichlorobenzene	ND	167	"								
2,4,6-Trichlorophenol	ND	167	"								
2,4,5-Trichlorophenol	ND	167	"								
<i>Surrogate: 2-Fluorophenol</i>	<i>1090</i>		<i>"</i>	<i>2510</i>		<i>43.3</i>		<i>10-105</i>			
<i>Surrogate: Phenol-d5</i>	<i>1180</i>		<i>"</i>	<i>2510</i>		<i>47.1</i>		<i>10-118</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>672</i>		<i>"</i>	<i>1670</i>		<i>40.2</i>		<i>10-140</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>680</i>		<i>"</i>	<i>1670</i>		<i>40.8</i>		<i>10-126</i>			
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>1030</i>		<i>"</i>	<i>2500</i>		<i>41.1</i>		<i>10-150</i>			
<i>Surrogate: Terphenyl-d14</i>	<i>831</i>		<i>"</i>	<i>1670</i>		<i>49.7</i>		<i>10-137</i>			

LCS (BI40718-BS1)

Prepared: 09/15/2014 Analyzed: 09/16/2014

Acenaphthene	1200	167	ug/kg wet	1670		71.8		17-124			
Acenaphthylene	1150	167	"	1670		69.1		16-124			
Aniline	994	167	"	1670		59.6		10-111			
Anthracene	1100	167	"	1670		66.1		24-124			
Benzo(a)anthracene	1330	167	"	1670		79.5		25-134			
Benzo(a)pyrene	1350	167	"	1670		80.9		29-144			
Benzo(b)fluoranthene	1060	167	"	1670		63.5		20-151			
Benzo(g,h,i)perylene	1230	167	"	1670		73.7		10-153			
Benzo(k)fluoranthene	1050	167	"	1670		63.1		10-148			
Benzyl alcohol	1130	167	"	1670		67.8		17-128			
Benzyl butyl phthalate	1510	167	"	1670		90.8		10-132			
4-Bromophenyl phenyl ether	949	167	"	1670		56.9		30-138			
4-Chloro-3-methylphenol	908	167	"	1670		54.5		16-138			
4-Chloroaniline	907	167	"	1670		54.4		10-117			
Bis(2-chloroethoxy)methane	897	167	"	1670		53.8		10-129			
Bis(2-chloroethyl)ether	1070	167	"	1670		64.0		14-125			
Bis(2-chloroisopropyl)ether	1190	167	"	1670		71.7		14-122			
2-Chloronaphthalene	1180	167	"	1670		70.7		22-115			
2-Chlorophenol	1060	167	"	1670		63.5		25-121			
4-Chlorophenyl phenyl ether	1030	167	"	1670		61.8		18-132			
Chrysene	1400	167	"	1670		84.2		24-116			
Dibenzo(a,h)anthracene	1280	167	"	1670		76.5		17-147			
Dibenzofuran	1080	167	"	1670		65.0		23-123			
Di-n-butyl phthalate	1160	167	"	1670		69.9		19-123			
1,3-Dichlorobenzene	1020	167	"	1670		61.0		32-113			
1,4-Dichlorobenzene	1030	167	"	1670		62.0		28-111			
1,2-Dichlorobenzene	987	167	"	1670		59.2		26-113			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting		Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit	Units							Level	Result

Batch BI40718 - EPA 3550C

LCS (BI40718-BS1)

Prepared: 09/15/2014 Analyzed: 09/16/2014

3,3'-Dichlorobenzidine	1450	333	ug/kg wet	1670		86.8		10-147			
2,4-Dichlorophenol	781	167	"	1670		46.9		23-133			
Diethyl phthalate	1210	167	"	1670		72.7		23-122			
2,4-Dimethylphenol	872	167	"	1670		52.3		15-131			
Dimethyl phthalate	1280	167	"	1670		76.9		28-127			
4,6-Dinitro-2-methylphenol	1020	167	"	1670		61.0		10-149			
2,4-Dinitrophenol	1390	333	"	1670		83.3		10-149			
2,4-Dinitrotoluene	1420	167	"	1670		85.0		30-123			
2,6-Dinitrotoluene	1250	167	"	1670		75.0		30-125			
Di-n-octyl phthalate	1520	167	"	1670		91.3		10-132			
Bis(2-ethylhexyl)phthalate	1460	167	"	1670		87.4		10-141			
Fluoranthene	1170	167	"	1670		70.2		36-125			
Fluorene	1210	167	"	1670		72.4		16-130			
Hexachlorobenzene	1080	167	"	1670		65.0		10-129			
Hexachlorobutadiene	782	167	"	1670		46.9		22-153			
Hexachlorocyclopentadiene	881	167	"	1670		52.8		10-134			
Hexachloroethane	1090	167	"	1670		65.4		20-112			
Indeno(1,2,3-cd)pyrene	1230	167	"	1670		73.7		10-155			
Isophorone	993	167	"	1670		59.6		14-131			
2-Methylnaphthalene	891	167	"	1670		53.5		16-127			
2-Methylphenol	894	167	"	1670		53.6		10-146			
3- & 4-Methylphenols	968	167	"	1670		58.1		20-109			
Naphthalene	1010	167	"	1670		60.8		20-121			
3-Nitroaniline	1250	167	"	1670		74.9		23-123			
2-Nitroaniline	1300	167	"	1670		77.7		24-126			
4-Nitroaniline	1240	167	"	1670		74.3		14-125			
Nitrobenzene	915	167	"	1670		54.9		20-121			
2-Nitrophenol	793	167	"	1670		47.6		17-129			
4-Nitrophenol	1280	167	"	1670		76.6		10-136			
N-nitroso-di-n-propylamine	1140	167	"	1670		68.3		21-119			
N-Nitrosodimethylamine	1140	167	"	1670		68.1		10-124			
N-Nitrosodiphenylamine	1050	167	"	1670		63.2		10-163			
Pentachlorophenol	942	167	"	1670		56.5		10-143			
Phenanthrene	1230	167	"	1670		73.6		24-123			
Phenol	944	167	"	1670		56.6		15-123			
Pyrene	1390	167	"	1670		83.6		24-132			
Pyridine	615	167	"	1670		36.9		10-92			
1,2,4-Trichlorobenzene	767	167	"	1670		46.0		23-130			
2,4,6-Trichlorophenol	940	167	"	1670		56.4		27-122			
2,4,5-Trichlorophenol	1000	167	"	1670		60.0		14-138			
<i>Surrogate: 2-Fluorophenol</i>	<i>1410</i>		<i>"</i>	<i>2510</i>		<i>56.4</i>		<i>10-105</i>			
<i>Surrogate: Phenol-d5</i>	<i>1540</i>		<i>"</i>	<i>2510</i>		<i>61.5</i>		<i>10-118</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>826</i>		<i>"</i>	<i>1670</i>		<i>49.3</i>		<i>10-140</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>933</i>		<i>"</i>	<i>1670</i>		<i>56.0</i>		<i>10-126</i>			
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>1370</i>		<i>"</i>	<i>2500</i>		<i>54.7</i>		<i>30-130</i>			
<i>Surrogate: Terphenyl-d14</i>	<i>1050</i>		<i>"</i>	<i>1670</i>		<i>62.5</i>		<i>10-137</i>			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI40718 - EPA 3550C											
LCS Dup (BI40718-bsd1)											
										Prepared: 09/15/2014 Analyzed: 09/16/2014	
Acenaphthene	1180	167	ug/kg wet	1670		70.7	17-124		1.63	30	
Acenaphthylene	1150	167	"	1670		68.9	16-124		0.319	30	
Aniline	896	167	"	1670		53.8	10-111		10.4	30	
Anthracene	1150	167	"	1670		68.9	24-124		4.24	30	
Benzo(a)anthracene	1340	167	"	1670		80.3	25-134		1.00	30	
Benzo(a)pyrene	1410	167	"	1670		84.7	29-144		4.66	30	
Benzo(b)fluoranthene	1290	167	"	1670		77.5	20-151		19.9	30	
Benzo(g,h,i)perylene	1430	167	"	1670		86.0	10-153		15.4	30	
Benzo(k)fluoranthene	1580	167	"	1670		94.7	10-148		40.1	30	Non-dir.
Benzyl alcohol	1100	167	"	1670		65.9	17-128		2.75	30	
Benzyl butyl phthalate	1480	167	"	1670		88.8	10-132		2.29	30	
4-Bromophenyl phenyl ether	951	167	"	1670		57.1	30-138		0.246	30	
4-Chloro-3-methylphenol	995	167	"	1670		59.7	16-138		9.11	30	
4-Chloroaniline	985	167	"	1670		59.1	10-117		8.28	30	
Bis(2-chloroethoxy)methane	1020	167	"	1670		60.9	10-129		12.4	30	
Bis(2-chloroethyl)ether	961	167	"	1670		57.7	14-125		10.4	30	
Bis(2-chloroisopropyl)ether	1090	167	"	1670		65.1	14-122		9.59	30	
2-Chloronaphthalene	1120	167	"	1670		66.9	22-115		5.52	30	
2-Chlorophenol	924	167	"	1670		55.4	25-121		13.5	30	
4-Chlorophenyl phenyl ether	1120	167	"	1670		67.1	18-132		8.29	30	
Chrysene	1380	167	"	1670		82.7	24-116		1.80	30	
Dibenzo(a,h)anthracene	1440	167	"	1670		86.4	17-147		12.1	30	
Dibenzofuran	1190	167	"	1670		71.4	23-123		9.33	30	
Di-n-butyl phthalate	1190	167	"	1670		71.6	19-123		2.40	30	
1,3-Dichlorobenzene	950	167	"	1670		57.0	32-113		6.71	30	
1,4-Dichlorobenzene	992	167	"	1670		59.5	28-111		4.11	30	
1,2-Dichlorobenzene	933	167	"	1670		56.0	26-113		5.66	30	
3,3'-Dichlorobenzidine	1450	333	"	1670		87.2	10-147		0.529	30	
2,4-Dichlorophenol	955	167	"	1670		57.3	23-133		20.0	30	
Diethyl phthalate	1320	167	"	1670		79.3	23-122		8.69	30	
2,4-Dimethylphenol	955	167	"	1670		57.3	15-131		9.09	30	
Dimethyl phthalate	1370	167	"	1670		82.3	28-127		6.83	30	
4,6-Dinitro-2-methylphenol	1030	167	"	1670		61.8	10-149		1.27	30	
2,4-Dinitrophenol	1380	333	"	1670		82.6	10-149		0.795	30	
2,4-Dinitrotoluene	1430	167	"	1670		86.0	30-123		1.19	30	
2,6-Dinitrotoluene	1340	167	"	1670		80.6	30-125		7.20	30	
Di-n-octyl phthalate	1560	167	"	1670		93.3	10-132		2.19	30	
Bis(2-ethylhexyl)phthalate	1490	167	"	1670		89.5	10-141		2.44	30	
Fluoranthene	1150	167	"	1670		69.2	36-125		1.43	30	
Fluorene	1230	167	"	1670		74.0	16-130		2.16	30	
Hexachlorobenzene	1130	167	"	1670		68.1	10-129		4.60	30	
Hexachlorobutadiene	870	167	"	1670		52.2	22-153		10.7	30	
Hexachlorocyclopentadiene	792	167	"	1670		47.5	10-134		10.6	30	
Hexachloroethane	927	167	"	1670		55.6	20-112		16.2	30	
Indeno(1,2,3-cd)pyrene	1380	167	"	1670		82.6	10-155		11.4	30	
Isophorone	1120	167	"	1670		67.5	14-131		12.5	30	
2-Methylnaphthalene	980	167	"	1670		58.8	16-127		9.51	30	
2-Methylphenol	940	167	"	1670		56.4	10-146		5.05	30	
3- & 4-Methylphenols	940	167	"	1670		56.4	20-109		2.94	30	
Naphthalene	999	167	"	1670		60.0	20-121		1.39	30	
3-Nitroaniline	1340	167	"	1670		80.6	23-123		7.28	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI40718 - EPA 3550C

LCS Dup (BI40718-BSD1)

Prepared: 09/15/2014 Analyzed: 09/16/2014

2-Nitroaniline	1260	167	ug/kg wet	1670		75.8	24-126		2.53	30	
4-Nitroaniline	1250	167	"	1670		75.0	14-125		0.992	30	
Nitrobenzene	969	167	"	1670		58.1	20-121		5.77	30	
2-Nitrophenol	932	167	"	1670		55.9	17-129		16.1	30	
4-Nitrophenol	1370	167	"	1670		82.2	10-136		6.98	30	
N-nitroso-di-n-propylamine	1130	167	"	1670		67.7	21-119		0.971	30	
N-Nitrosodimethylamine	1130	167	"	1670		67.7	10-124		0.589	30	
N-Nitrosodiphenylamine	1030	167	"	1670		61.6	10-163		2.53	30	
Pentachlorophenol	915	167	"	1670		54.9	10-143		2.94	30	
Phenanthrene	1160	167	"	1670		69.8	24-123		5.27	30	
Phenol	854	167	"	1670		51.3	15-123		9.97	30	
Pyrene	1410	167	"	1670		84.6	24-132		1.19	30	
Pyridine	411	167	"	1670		24.7	10-92		39.7	30	Non-dir.
1,2,4-Trichlorobenzene	873	167	"	1670		52.4	23-130		12.9	30	
2,4,6-Trichlorophenol	997	167	"	1670		59.8	27-122		5.85	30	
2,4,5-Trichlorophenol	1080	167	"	1670		64.8	14-138		7.66	30	
<i>Surrogate: 2-Fluorophenol</i>	<i>1330</i>		<i>"</i>	<i>2510</i>		<i>53.1</i>	<i>10-105</i>				
<i>Surrogate: Phenol-d5</i>	<i>1410</i>		<i>"</i>	<i>2510</i>		<i>56.3</i>	<i>10-118</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>886</i>		<i>"</i>	<i>1670</i>		<i>52.9</i>	<i>10-140</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>983</i>		<i>"</i>	<i>1670</i>		<i>59.0</i>	<i>10-126</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>1370</i>		<i>"</i>	<i>2500</i>		<i>54.7</i>	<i>30-130</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>1190</i>		<i>"</i>	<i>1670</i>		<i>71.3</i>	<i>10-137</i>				

Matrix Spike (BI40718-MS1)

*Source sample: 14I0534-01 (SP-8 0-2ft)

Prepared: 09/15/2014 Analyzed: 09/16/2014

Acenaphthene	1160	176	ug/kg dry	1760	105	60.2	13-133				
Acenaphthylene	1040	176	"	1760	ND	59.1	25-125				
Aniline	916	176	"	1760	ND	52.0	10-112				
Anthracene	1320	176	"	1760	206	63.1	27-128				
Benzo(a)anthracene	2180	176	"	1760	689	84.4	20-147				
Benzo(a)pyrene	2600	176	"	1760	350	128	18-153				
Benzo(b)fluoranthene	1510	176	"	1760	309	68.5	10-163				
Benzo(g,h,i)perylene	732	176	"	1760	210	29.7	10-157				
Benzo(k)fluoranthene	1680	176	"	1760	344	75.8	10-157				
Benzyl alcohol	994	176	"	1760	ND	56.5	20-122				
Benzyl butyl phthalate	1570	176	"	1760	ND	89.5	10-129				
4-Bromophenyl phenyl ether	887	176	"	1760	ND	50.4	32-148				
4-Chloro-3-methylphenol	858	176	"	1760	ND	48.8	14-138				
4-Chloroaniline	718	176	"	1760	ND	40.8	10-124				
Bis(2-chloroethoxy)methane	896	176	"	1760	ND	50.9	12-128				
Bis(2-chloroethyl)ether	982	176	"	1760	ND	55.8	18-113				
Bis(2-chloroisopropyl)ether	1050	176	"	1760	ND	59.6	10-130				
2-Chloronaphthalene	1030	176	"	1760	ND	58.4	31-116				
2-Chlorophenol	878	176	"	1760	ND	49.9	28-114				
4-Chlorophenyl phenyl ether	1010	176	"	1760	ND	57.3	10-153				
Chrysene	2090	176	"	1760	679	80.1	18-133				
Dibenzo(a,h)anthracene	800	176	"	1760	ND	45.5	10-146				
Dibenzofuran	1150	176	"	1760	57.4	62.2	26-134				
Di-n-butyl phthalate	1030	176	"	1760	ND	58.4	20-128				
1,3-Dichlorobenzene	863	176	"	1760	ND	49.1	34-100				
1,4-Dichlorobenzene	902	176	"	1760	ND	51.2	26-107				
1,2-Dichlorobenzene	909	176	"	1760	ND	51.7	29-106				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI40718 - EPA 3550C

Matrix Spike (BI40718-MS1)

*Source sample: 14I0534-01 (SP-8 0-2ft)

Prepared: 09/15/2014 Analyzed: 09/16/2014

3,3'-Dichlorobenzidine	960	352	ug/kg dry	1760	ND	54.6	10-134				
2,4-Dichlorophenol	796	176	"	1760	ND	45.2	16-144				
Diethyl phthalate	1060	176	"	1760	ND	60.5	30-119				
2,4-Dimethylphenol	864	176	"	1760	ND	49.1	11-133				
Dimethyl phthalate	1170	176	"	1760	ND	66.5	34-120				
4,6-Dinitro-2-methylphenol	763	176	"	1760	ND	43.3	10-149				
2,4-Dinitrophenol	456	352	"	1760	ND	25.9	10-132				
2,4-Dinitrotoluene	1290	176	"	1760	ND	73.3	42-113				
2,6-Dinitrotoluene	1230	176	"	1760	ND	69.8	36-124				
Di-n-octyl phthalate	1520	176	"	1760	ND	86.6	10-133				
Bis(2-ethylhexyl)phthalate	1400	176	"	1760	ND	79.6	10-138				
Fluoranthene	2330	176	"	1760	1100	69.9	10-155				
Fluorene	1140	176	"	1760	94.3	59.6	12-150				
Hexachlorobenzene	1070	176	"	1760	ND	60.6	16-142				
Hexachlorobutadiene	664	176	"	1760	ND	37.8	11-150				
Hexachlorocyclopentadiene	659	176	"	1760	ND	37.4	10-115				
Hexachloroethane	855	176	"	1760	ND	48.6	14-106				
Indeno(1,2,3-cd)pyrene	805	176	"	1760	197	34.5	10-155				
Isophorone	931	176	"	1760	ND	52.9	14-127				
2-Methylnaphthalene	876	176	"	1760	ND	49.8	10-143				
2-Methylphenol	872	176	"	1760	ND	49.6	10-160				
3- & 4-Methylphenols	969	176	"	1760	ND	55.1	16-115				
Naphthalene	958	176	"	1760	ND	54.5	15-132				
3-Nitroaniline	1110	176	"	1760	ND	63.0	24-128				
2-Nitroaniline	1250	176	"	1760	ND	71.0	33-122				
4-Nitroaniline	1100	176	"	1760	ND	62.5	10-151				
Nitrobenzene	860	176	"	1760	ND	48.9	18-125				
2-Nitrophenol	821	176	"	1760	ND	46.6	12-127				
4-Nitrophenol	1120	176	"	1760	ND	63.6	10-141				
N-nitroso-di-n-propylamine	1030	176	"	1760	ND	58.7	23-115				
N-Nitrosodimethylamine	973	176	"	1760	ND	55.3	10-123				
N-Nitrosodiphenylamine	1100	176	"	1760	ND	62.6	16-166				
Pentachlorophenol	662	176	"	1760	ND	37.6	10-160				
Phenanthrene	2270	176	"	1760	1080	68.1	10-151				
Phenol	853	176	"	1760	ND	48.5	11-124				
Pyrene	3020	176	"	1760	1190	104	13-148				
Pyridine	590	176	"	1760	ND	33.5	10-125				
1,2,4-Trichlorobenzene	721	176	"	1760	ND	41.0	15-139				
2,4,6-Trichlorophenol	916	176	"	1760	ND	52.1	12-138				
2,4,5-Trichlorophenol	984	176	"	1760	ND	55.9	10-148				
Surrogate: 2-Fluorophenol	1340		"	2650		50.7	10-105				
Surrogate: Phenol-d5	1370		"	2650		51.6	10-118				
Surrogate: Nitrobenzene-d5	792		"	1770		44.8	10-140				
Surrogate: 2-Fluorobiphenyl	882		"	1760		50.1	10-126				
Surrogate: 2,4,6-Tribromophenol	1240		"	2640		46.9	30-130				
Surrogate: Terphenyl-d14	1260		"	1770		71.1	10-137				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit			Result					Limit	

Batch BI40693 - EPA 3545A

Blank (BI40693-BLK1)

Prepared: 09/15/2014 Analyzed: 09/16/2014

4,4'-DDD	ND	0.495	ug/kg wet								
4,4'-DDE	ND	0.495	"								
4,4'-DDT	ND	0.495	"								
Aldrin	ND	0.495	"								
alpha-BHC	ND	0.495	"								
beta-BHC	ND	0.495	"								
Chlordane, total	ND	19.8	"								
gamma-Chlordane	ND	0.495	"								
delta-BHC	ND	0.495	"								
Dieldrin	ND	0.495	"								
Endosulfan I	ND	0.495	"								
Endosulfan II	ND	0.495	"								
Endosulfan sulfate	ND	0.495	"								
Endrin	ND	0.495	"								
Endrin aldehyde	ND	0.495	"								
Endrin ketone	ND	0.495	"								
gamma-BHC (Lindane)	ND	0.495	"								
Heptachlor	ND	0.495	"								
Heptachlor epoxide	ND	0.495	"								
alpha-Chlordane	ND	0.495	"								
Methoxychlor	ND	2.48	"								
Toxaphene	ND	25.0	"								
<i>Surrogate: Tetrachloro-m-xylene</i>	80.8		"	100		80.8		30-140			
<i>Surrogate: Decachlorobiphenyl</i>	72.1		"	100		72.1		30-140			

LCS (BI40693-BS1)

Prepared: 09/15/2014 Analyzed: 09/16/2014

4,4'-DDD	36.9	0.495	ug/kg wet	50.0		73.7		40-140			
4,4'-DDE	36.5	0.495	"	50.0		73.1		40-140			
4,4'-DDT	42.5	0.495	"	50.0		84.9		40-140			
Aldrin	33.8	0.495	"	50.0		67.7		40-140			
alpha-BHC	34.5	0.495	"	50.0		68.9		40-140			
beta-BHC	36.4	0.495	"	50.0		72.8		40-140			
gamma-Chlordane	31.9	0.495	"	50.0		63.9		40-140			
delta-BHC	34.7	0.495	"	50.0		69.5		40-140			
Dieldrin	33.2	0.495	"	50.0		66.4		40-140			
Endosulfan I	32.0	0.495	"	50.0		64.0		40-140			
Endosulfan II	31.7	0.495	"	50.0		63.4		40-140			
Endosulfan sulfate	29.6	0.495	"	50.0		59.2		40-140			
Endrin	32.8	0.495	"	50.0		65.6		40-140			
Endrin aldehyde	30.5	0.495	"	50.0		61.0		40-140			
Endrin ketone	33.5	0.495	"	50.0		67.1		40-140			
gamma-BHC (Lindane)	33.8	0.495	"	50.0		67.7		40-140			
Heptachlor	27.6	0.495	"	50.0		55.2		40-140			
Heptachlor epoxide	30.9	0.495	"	50.0		61.9		40-140			
alpha-Chlordane	31.0	0.495	"	50.0		61.9		40-140			
Methoxychlor	44.8	2.48	"	50.0		89.6		40-140			
<i>Surrogate: Tetrachloro-m-xylene</i>	83.8		"	100		83.8		30-140			
<i>Surrogate: Decachlorobiphenyl</i>	72.6		"	100		72.6		30-140			



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit			Result					%REC	RPD

Batch BI40693 - EPA 3545A

LCS Dup (BI40693-BSD1)

Prepared: 09/15/2014 Analyzed: 09/16/2014

4,4'-DDD	37.6	0.495	ug/kg wet	50.0		75.1	40-140			1.84	30
4,4'-DDE	36.9	0.495	"	50.0		73.9	40-140			1.10	30
4,4'-DDT	43.1	0.495	"	50.0		86.1	40-140			1.38	30
Aldrin	34.0	0.495	"	50.0		67.9	40-140			0.341	30
alpha-BHC	34.2	0.495	"	50.0		68.5	40-140			0.713	30
beta-BHC	36.6	0.495	"	50.0		73.1	40-140			0.452	30
gamma-Chlordane	32.3	0.495	"	50.0		64.5	40-140			0.972	30
delta-BHC	35.1	0.495	"	50.0		70.2	40-140			1.06	30
Dieldrin	33.5	0.495	"	50.0		67.1	40-140			1.09	30
Endosulfan I	32.3	0.495	"	50.0		64.6	40-140			0.924	30
Endosulfan II	32.1	0.495	"	50.0		64.2	40-140			1.17	30
Endosulfan sulfate	30.0	0.495	"	50.0		60.0	40-140			1.34	30
Endrin	33.2	0.495	"	50.0		66.5	40-140			1.28	30
Endrin aldehyde	31.1	0.495	"	50.0		62.2	40-140			2.04	30
Endrin ketone	34.0	0.495	"	50.0		67.9	40-140			1.26	30
gamma-BHC (Lindane)	33.9	0.495	"	50.0		67.7	40-140			0.0266	30
Heptachlor	27.7	0.495	"	50.0		55.4	40-140			0.304	30
Heptachlor epoxide	31.1	0.495	"	50.0		62.3	40-140			0.630	30
alpha-Chlordane	31.3	0.495	"	50.0		62.6	40-140			1.03	30
Methoxychlor	45.7	2.48	"	50.0		91.4	40-140			1.94	30
Surrogate: Tetrachloro-m-xylene	82.3		"	100		82.3	30-140				
Surrogate: Decachlorobiphenyl	73.4		"	100		73.4	30-140				

Matrix Spike (BI40693-MS1)

*Source sample: 14I0534-01 (SP-8 0-2ft)

Prepared: 09/15/2014 Analyzed: 09/16/2014

4,4'-DDD	33.5	2.61	ug/kg dry	52.8	ND	63.5	30-150				
4,4'-DDE	29.1	2.61	"	52.8	ND	55.1	30-150				
4,4'-DDT	34.0	2.61	"	52.8	ND	64.5	30-150				
Aldrin	31.3	2.61	"	52.8	ND	59.3	30-150				
alpha-BHC	34.6	2.61	"	52.8	ND	65.5	30-150				
beta-BHC	32.6	2.61	"	52.8	ND	61.8	30-150				
gamma-Chlordane	24.2	2.61	"	52.8	ND	45.9	30-150				
delta-BHC	30.3	2.61	"	52.8	ND	57.5	30-150				
Dieldrin	29.2	2.61	"	52.8	ND	55.3	30-150				
Endosulfan I	25.6	2.61	"	52.8	ND	48.6	30-150				
Endosulfan II	27.6	2.61	"	52.8	ND	52.3	30-150				
Endosulfan sulfate	31.8	2.61	"	52.8	ND	60.3	30-150				
Endrin	35.7	2.61	"	52.8	ND	67.6	30-150				
Endrin aldehyde	26.2	2.61	"	52.8	ND	49.6	30-150				
Endrin ketone	29.9	2.61	"	52.8	ND	56.6	30-150				
gamma-BHC (Lindane)	31.9	2.61	"	52.8	ND	60.4	30-150				
Heptachlor	30.2	2.61	"	52.8	ND	57.2	30-150				
Heptachlor epoxide	29.7	2.61	"	52.8	ND	56.2	30-150				
alpha-Chlordane	30.6	2.61	"	52.8	ND	58.0	30-150				
Methoxychlor	44.7	13.1	"	52.8	ND	84.6	30-150				
Surrogate: Tetrachloro-m-xylene	96.9		"	106		91.7	30-140				
Surrogate: Decachlorobiphenyl	72.2		"	106		68.4	30-140				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI40693 - EPA 3545A											
Blank (BI40693-BLK1)											
Prepared: 09/15/2014 Analyzed: 09/16/2014											
Aroclor 1016	ND	0.0250	mg/kg wet								
Aroclor 1221	ND	0.0250	"								
Aroclor 1232	ND	0.0250	"								
Aroclor 1242	ND	0.0250	"								
Aroclor 1248	ND	0.0250	"								
Aroclor 1254	ND	0.0250	"								
Aroclor 1260	ND	0.0250	"								
Total PCBs	ND	0.0250	"								
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0815		"	0.100		81.5	30-140				
<i>Surrogate: Decachlorobiphenyl</i>	0.0740		"	0.100		74.0	30-140				
LCS (BI40693-BS2)											
Prepared: 09/15/2014 Analyzed: 09/16/2014											
Aroclor 1016	0.364	0.0250	mg/kg wet	0.500		72.7	40-130				
Aroclor 1260	0.380	0.0250	"	0.500		76.0	40-130				
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0765		"	0.100		76.5	30-140				
<i>Surrogate: Decachlorobiphenyl</i>	0.0675		"	0.100		67.5	30-140				
LCS Dup (BI40693-BSD2)											
Prepared: 09/15/2014 Analyzed: 09/16/2014											
Aroclor 1016	0.363	0.0250	mg/kg wet	0.500		72.5	40-130		0.248	25	
Aroclor 1260	0.371	0.0250	"	0.500		74.1	40-130		2.56	25	
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0775		"	0.100		77.5	30-140				
<i>Surrogate: Decachlorobiphenyl</i>	0.0645		"	0.100		64.5	30-140				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI40736 - EPA 3050B

Blank (BI40736-BLK1)

Prepared & Analyzed: 09/16/2014

Aluminum	ND	1.00	mg/kg wet								
Antimony	ND	0.500	"								
Arsenic	ND	1.00	"								
Barium	ND	1.00	"								
Beryllium	ND	0.100	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.500	"								
Copper	ND	0.500	"								
Iron	ND	2.00	"								
Lead	ND	0.300	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	0.500	"								
Potassium	ND	5.00	"								
Selenium	ND	1.00	"								
Silver	ND	0.500	"								
Sodium	ND	10.0	"								
Thallium	ND	1.00	"								
Vanadium	ND	1.00	"								
Zinc	ND	1.00	"								

Reference (BI40736-SRM1)

Prepared & Analyzed: 09/16/2014

Aluminum	8960	1.00	mg/kg wet	9390		95.4	43.5-157				
Antimony	178	0.500	"	129		138	22.4-250				
Arsenic	86.3	1.00	"	88.4		97.7	69-131				
Barium	204	1.00	"	210		97.4	73.3-127				
Beryllium	54.7	0.100	"	55.8		98.0	73.1-127				
Cadmium	133	0.300	"	142		93.9	73.2-128				
Calcium	7550	5.00	"	7530		100	74.6-125				
Chromium	83.6	0.500	"	86.8		96.4	69.1-131				
Cobalt	195	0.500	"	199		98.2	74.4-126				
Copper	281	0.500	"	268		105	76.1-124				
Iron	14200	2.00	"	12800		111	31.6-168				
Lead	91.7	0.300	"	97.9		93.7	70.8-129				
Magnesium	2820	5.00	"	2850		98.9	65.3-135				
Manganese	421	0.500	"	425		99.1	76.2-124				
Nickel	247	0.500	"	236		105	74.2-128				
Potassium	2490	5.00	"	2570		96.9	61.1-139				
Selenium	126	1.00	"	127		99.0	66.6-134				
Silver	60.4	0.500	"	66.2		91.2	67.1-133				
Sodium	1090	10.0	"	1040		105	60.4-139				
Thallium	130	1.00	"	140		92.9	68.3-132				
Vanadium	153	1.00	"	156		98.2	71.8-129				
Zinc	119	1.00	"	161		73.8	66.9-133				



Mercury by EPA 7000/200 Series Methods - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI40719 - EPA 7473 soil											
Blank (BI40719-BLK1)								Prepared & Analyzed: 09/16/2014			
Mercury	ND	0.0300	mg/kg wet								
Reference (BI40719-SRM1)								Prepared & Analyzed: 09/16/2014			
Mercury	3.6048		mg/kg	3.73		96.6	68.6-131				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI40742 - % Solids Prep

Duplicate (BI40742-DUP1)	*Source sample: 14I0534-03 (SP-9 0-2ft)							Prepared & Analyzed: 09/16/2014			
% Solids	93.8	0.100	%		92.4				1.49	20	



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI40723 - EPA SW846-3060											
Blank (BI40723-BLK1)								Prepared & Analyzed: 09/16/2014			
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Reference (BI40723-SRM1)								Prepared & Analyzed: 09/16/2014			
Chromium, Hexavalent	90.3		mg/L	125		72.2	20.2-180				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14I0534-01	SP-8 0-2ft	40mL Vial with Stir Bar-Cool 4° C
14I0534-02	SP-8 10-12ft	40mL Vial with Stir Bar-Cool 4° C
14I0534-03	SP-9 0-2ft	40mL Vial with Stir Bar-Cool 4° C
14I0534-04	SP-9 10-12ft	40mL Vial with Stir Bar-Cool 4° C



Notes and Definitions

J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Cal-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20% AND correlation coefficient <0.990 for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.



APPENDIX-G
LABORATORY DATA DELIVERABLES FOR SOIL VAPOR
ANALYTICAL DATA



Technical Report

prepared for:

Hydro Tech Environmental (Brooklyn)

15 Ocean Avenue

Brooklyn NY, 11225

Attention: Paul Matli

Report Date: 09/16/2014

Client Project ID: 140127 551 Waverly Ave. Brooklyn, NY

York Project (SDG) No.: 14I0533

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 09/16/2014
Client Project ID: 140127 551 Waverly Ave. Brooklyn, NY
York Project (SDG) No.: 14I0533

Hydro Tech Environmental (Brooklyn)

15 Ocean Avenue
Brooklyn NY, 11225
Attention: Paul Matli

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on September 15, 2014 and listed below. The project was identified as your project: **140127 551 Waverly Ave. Brooklyn, NY.**

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
14I0533-01	SV-1	Soil Vapor	09/12/2014	09/15/2014
14I0533-02	SV-2	Soil Vapor	09/12/2014	09/15/2014
14I0533-03	SV-3	Soil Vapor	09/12/2014	09/15/2014
14I0533-04	SV-4	Soil Vapor	09/12/2014	09/15/2014

General Notes for York Project (SDG) No.: 14I0533

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 09/16/2014





Sample Information

Client Sample ID: SV-1

York Sample ID: 14I0533-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0533

140127 551 Waverly Ave. Brooklyn, NY

Soil Vapor

September 12, 2014 3:00 pm

09/15/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	0.16	0.16	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	0.45	0.45	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
79-01-6	Trichloroethylene	ND		ug/m ³	0.17	0.17	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.58	0.58	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.51	0.51	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
108-88-3	Toluene	63		ug/m ³	0.48	0.48	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
109-99-9	* Tetrahydrofuran	4.7		ug/m ³	0.38	0.38	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
127-18-4	Tetrachloroethylene	3.6		ug/m ³	0.22	0.22	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
100-42-5	Styrene	ND		ug/m ³	0.55	0.55	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
115-07-1	* Propylene	ND		ug/m ³	0.22	0.22	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
622-96-8	* p-Ethyltoluene	49		ug/m ³	0.63	0.63	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
179601-23-1	p- & m- Xylenes	100		ug/m ³	1.1	1.1	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
95-47-6	o-Xylene	31		ug/m ³	0.56	0.56	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
110-54-3	n-Hexane	8.2		ug/m ³	0.45	0.45	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
142-82-5	n-Heptane	8.8		ug/m ³	0.52	0.52	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
75-09-2	Methylene chloride	1.0		ug/m ³	0.89	0.89	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.46	0.46	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.52	0.52	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
67-63-0	Isopropanol	33		ug/m ³	0.63	0.63	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.4	1.4	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
100-41-4	Ethyl Benzene	26		ug/m ³	0.56	0.56	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
141-78-6	* Ethyl acetate	ND		ug/m ³	0.92	0.92	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
110-82-7	Cyclohexane	2.8		ug/m ³	0.44	0.44	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.58	0.58	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.51	0.51	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
74-87-3	Chloromethane	0.95		ug/m ³	0.26	0.26	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
67-66-3	Chloroform	2.1		ug/m ³	0.62	0.62	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
75-00-3	Chloroethane	ND		ug/m ³	0.34	0.34	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
56-23-5	Carbon tetrachloride	0.72		ug/m ³	0.20	0.20	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
75-15-0	Carbon disulfide	1.4		ug/m ³	0.40	0.40	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
74-83-9	Bromomethane	ND		ug/m ³	0.50	0.50	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
75-25-2	Bromoform	ND		ug/m ³	1.3	1.3	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	0.79	0.79	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	0.66	0.66	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
71-43-2	Benzene	5.5		ug/m ³	0.41	0.41	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
67-64-1	Acetone	19		ug/m ³	0.30	0.30	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD



Sample Information

Client Sample ID: SV-1

York Sample ID: 14I0533-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0533

140127 551 Waverly Ave. Brooklyn, NY

Soil Vapor

September 12, 2014 3:00 pm

09/15/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	2.1		ug/m ³	1.0	1.0	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
78-93-3	2-Butanone	3.6		ug/m ³	0.38	0.38	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	0.46	0.46	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.77	0.77	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.77	0.77	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
106-99-0	1,3-Butadiene	ND		ug/m ³	0.55	0.55	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
108-67-8	1,3,5-Trimethylbenzene	9.9		ug/m ³	0.63	0.63	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.89	0.89	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.59	0.59	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.52	0.52	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.77	0.77	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
95-63-6	1,2,4-Trimethylbenzene	39		ug/m ³	0.63	0.63	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.95	0.95	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.51	0.51	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.52	0.52	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	3.1		ug/m ³	0.72	0.72	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.70	0.70	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.98	0.98	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.88	0.88	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.70	0.70	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
75-71-8	Dichlorodifluoromethane	2.2		ug/m ³	0.63	0.63	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.98	0.98	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	1.0	1.0	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.52	0.52	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	0.59	0.59	1.28	EPA TO-15	09/16/2014 07:07	09/16/2014 07:07	ALD
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	92.3 %	72-118								

Sample Information

Client Sample ID: SV-2

York Sample ID: 14I0533-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0533

140127 551 Waverly Ave. Brooklyn, NY

Soil Vapor

September 12, 2014 3:00 pm

09/15/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SV-2

York Sample ID: 14I0533-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0533

140127 551 Waverly Ave. Brooklyn, NY

Soil Vapor

September 12, 2014 3:00 pm

09/15/2014

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	0.16	0.16	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	0.45	0.45	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
79-01-6	Trichloroethylene	0.62		ug/m ³	0.17	0.17	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.58	0.58	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.51	0.51	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
108-88-3	Toluene	85		ug/m ³	0.48	0.48	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
109-99-9	* Tetrahydrofuran	7.9		ug/m ³	0.38	0.38	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
127-18-4	Tetrachloroethylene	36		ug/m ³	0.22	0.22	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
100-42-5	Styrene	ND		ug/m ³	0.55	0.55	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
115-07-1	* Propylene	ND		ug/m ³	0.22	0.22	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
622-96-8	* p-Ethyltoluene	67		ug/m ³	0.63	0.63	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
179601-23-1	p- & m- Xylenes	130		ug/m ³	1.1	1.1	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
95-47-6	o-Xylene	42		ug/m ³	0.56	0.56	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
110-54-3	n-Hexane	22		ug/m ³	0.45	0.45	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
142-82-5	n-Heptane	15		ug/m ³	0.52	0.52	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
75-09-2	Methylene chloride	92		ug/m ³	0.89	0.89	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.46	0.46	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
108-10-1	4-Methyl-2-pentanone	12		ug/m ³	0.52	0.52	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
67-63-0	Isopropanol	19		ug/m ³	0.63	0.63	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.4	1.4	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
100-41-4	Ethyl Benzene	34		ug/m ³	0.56	0.56	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
141-78-6	* Ethyl acetate	ND		ug/m ³	0.92	0.92	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
110-82-7	Cyclohexane	7.0		ug/m ³	0.44	0.44	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.58	0.58	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.51	0.51	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
74-87-3	Chloromethane	1.0		ug/m ³	0.26	0.26	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
67-66-3	Chloroform	63		ug/m ³	0.62	0.62	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
75-00-3	Chloroethane	ND		ug/m ³	0.34	0.34	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
56-23-5	Carbon tetrachloride	4.6		ug/m ³	0.20	0.20	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
75-15-0	Carbon disulfide	11		ug/m ³	0.40	0.40	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
74-83-9	Bromomethane	ND		ug/m ³	0.50	0.50	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
75-25-2	Bromoform	ND		ug/m ³	1.3	1.3	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	0.79	0.79	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	0.66	0.66	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
71-43-2	Benzene	11		ug/m ³	0.41	0.41	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
67-64-1	Acetone	220		ug/m ³	5.7	5.7	24	EPA TO-15	09/16/2014 07:16	09/15/2014 23:32	ALD
591-78-6	* 2-Hexanone	5.0		ug/m ³	1.0	1.0	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
78-93-3	2-Butanone	34		ug/m ³	0.38	0.38	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	0.46	0.46	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD



Sample Information

Client Sample ID: SV-2

York Sample ID: 14I0533-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0533

140127 551 Waverly Ave. Brooklyn, NY

Soil Vapor

September 12, 2014 3:00 pm

09/15/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.77	0.77	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.77	0.77	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
106-99-0	1,3-Butadiene	2.3		ug/m ³	0.55	0.55	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
108-67-8	1,3,5-Trimethylbenzene	14		ug/m ³	0.63	0.63	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.89	0.89	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.59	0.59	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.52	0.52	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.77	0.77	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
95-63-6	1,2,4-Trimethylbenzene	55		ug/m ³	0.63	0.63	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.95	0.95	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.51	0.51	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.52	0.52	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	67		ug/m ³	0.72	0.72	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.70	0.70	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.1		ug/m ³	0.98	0.98	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.88	0.88	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
71-55-6	1,1,1-Trichloroethane	3.1		ug/m ³	0.70	0.70	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
75-71-8	Dichlorodifluoromethane	3.1		ug/m ³	0.63	0.63	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.98	0.98	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	1.0	1.0	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.52	0.52	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	0.59	0.59	1.28	EPA TO-15	09/16/2014 07:16	09/16/2014 08:10	ALD
	Surrogate Recoveries	Result			Acceptance Range						
460-00-4	<i>Surrogate: p-Bromofluorobenzene</i>	90.7 %			72-118						

Sample Information

Client Sample ID: SV-3

York Sample ID: 14I0533-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0533

140127 551 Waverly Ave. Brooklyn, NY

Soil Vapor

September 12, 2014 3:00 pm

09/15/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	0.19	0.19	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD



Sample Information

Client Sample ID: SV-3

York Sample ID: 14I0533-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0533

140127 551 Waverly Ave. Brooklyn, NY

Soil Vapor

September 12, 2014 3:00 pm

09/15/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-05-4	Vinyl acetate	ND		ug/m ³	0.51	0.51	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
79-01-6	Trichloroethylene	2.5		ug/m ³	0.20	0.20	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.66	0.66	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.58	0.58	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
108-88-3	Toluene	200		ug/m ³	0.55	0.55	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
109-99-9	* Tetrahydrofuran	12		ug/m ³	0.43	0.43	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
127-18-4	Tetrachloroethylene	15		ug/m ³	0.25	0.25	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
100-42-5	Styrene	ND		ug/m ³	0.62	0.62	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
115-07-1	* Propylene	ND		ug/m ³	0.25	0.25	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
622-96-8	* p-Ethyltoluene	26		ug/m ³	0.71	0.71	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
179601-23-1	p- & m- Xylenes	130		ug/m ³	1.3	1.3	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
95-47-6	o-Xylene	29		ug/m ³	0.63	0.63	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
110-54-3	n-Hexane	49		ug/m ³	0.51	0.51	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
142-82-5	n-Heptane	30		ug/m ³	0.60	0.60	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
75-09-2	Methylene chloride	2.2		ug/m ³	1.0	1.0	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.52	0.52	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
108-10-1	4-Methyl-2-pentanone	12		ug/m ³	0.60	0.60	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
67-63-0	Isopropanol	78		ug/m ³	0.71	0.71	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.5	1.5	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
100-41-4	Ethyl Benzene	33		ug/m ³	0.63	0.63	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
141-78-6	* Ethyl acetate	ND		ug/m ³	1.0	1.0	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
110-82-7	Cyclohexane	6.5		ug/m ³	0.50	0.50	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.66	0.66	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.58	0.58	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
74-87-3	Chloromethane	2.8		ug/m ³	0.30	0.30	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
67-66-3	Chloroform	150		ug/m ³	0.71	0.71	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
75-00-3	Chloroethane	ND		ug/m ³	0.38	0.38	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
56-23-5	Carbon tetrachloride	3.0		ug/m ³	0.23	0.23	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
75-15-0	Carbon disulfide	49		ug/m ³	0.45	0.45	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
74-83-9	Bromomethane	ND		ug/m ³	0.56	0.56	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
75-25-2	Bromoform	ND		ug/m ³	1.5	1.5	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
75-27-4	Bromodichloromethane	2.6		ug/m ³	0.90	0.90	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	0.75	0.75	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
71-43-2	Benzene	45		ug/m ³	0.46	0.46	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
67-64-1	Acetone	540		ug/m ³	6.5	6.5	27.24	EPA TO-15	09/16/2014 07:16	09/16/2014 00:23	ALD
591-78-6	* 2-Hexanone	11		ug/m ³	1.2	1.2	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
78-93-3	2-Butanone	62		ug/m ³	0.43	0.43	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	0.52	0.52	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD



Sample Information

Client Sample ID: SV-3

York Sample ID: 14I0533-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0533

140127 551 Waverly Ave. Brooklyn, NY

Soil Vapor

September 12, 2014 3:00 pm

09/15/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.87	0.87	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.87	0.87	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
106-99-0	1,3-Butadiene	46		ug/m ³	0.63	0.63	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
108-67-8	1,3,5-Trimethylbenzene	5.6		ug/m ³	0.71	0.71	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.0	1.0	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.67	0.67	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.59	0.59	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.87	0.87	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
95-63-6	1,2,4-Trimethylbenzene	23		ug/m ³	0.71	0.71	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.1	1.1	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.58	0.58	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.59	0.59	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	8.7		ug/m ³	0.82	0.82	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.79	0.79	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.1	1.1	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.0	1.0	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.79	0.79	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
75-71-8	Dichlorodifluoromethane	3.0		ug/m ³	0.72	0.72	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.1	1.1	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	1.2	1.2	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.59	0.59	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	0.67	0.67	1.453	EPA TO-15	09/16/2014 07:16	09/16/2014 09:13	ALD
	Surrogate Recoveries	Result			Acceptance Range						
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	88.2 %			72-118						

Sample Information

Client Sample ID: SV-4

York Sample ID: 14I0533-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0533

140127 551 Waverly Ave. Brooklyn, NY

Soil Vapor

September 12, 2014 3:00 pm

09/15/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	0.22	0.22	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD



Sample Information

Client Sample ID: SV-4

York Sample ID: 14I0533-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0533

140127 551 Waverly Ave. Brooklyn, NY

Soil Vapor

September 12, 2014 3:00 pm

09/15/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-05-4	Vinyl acetate	ND		ug/m ³	0.60	0.60	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
79-01-6	Trichloroethylene	1.5		ug/m ³	0.23	0.23	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.78	0.78	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.68	0.68	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
108-88-3	Toluene	160		ug/m ³	0.65	0.65	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
109-99-9	* Tetrahydrofuran	18		ug/m ³	0.51	0.51	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
127-18-4	Tetrachloroethylene	13		ug/m ³	0.29	0.29	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
100-42-5	Styrene	ND		ug/m ³	0.73	0.73	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
115-07-1	* Propylene	ND		ug/m ³	0.30	0.30	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
622-96-8	* p-Ethyltoluene	24		ug/m ³	0.84	0.84	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
179601-23-1	p- & m- Xylenes	100		ug/m ³	1.5	1.5	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
95-47-6	o-Xylene	24		ug/m ³	0.74	0.74	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
110-54-3	n-Hexane	110		ug/m ³	0.60	0.60	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
142-82-5	n-Heptane	29		ug/m ³	0.70	0.70	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
75-09-2	Methylene chloride	22		ug/m ³	1.2	1.2	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.62	0.62	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.70	0.70	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
67-63-0	Isopropanol	81		ug/m ³	0.84	0.84	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.8	1.8	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
100-41-4	Ethyl Benzene	26		ug/m ³	0.74	0.74	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
141-78-6	* Ethyl acetate	ND		ug/m ³	1.2	1.2	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
110-82-7	Cyclohexane	7.9		ug/m ³	0.59	0.59	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.78	0.78	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.68	0.68	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
74-87-3	Chloromethane	1.5		ug/m ³	0.35	0.35	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
67-66-3	Chloroform	8.2		ug/m ³	0.84	0.84	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
75-00-3	Chloroethane	ND		ug/m ³	0.45	0.45	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
56-23-5	Carbon tetrachloride	1.3		ug/m ³	0.27	0.27	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
75-15-0	Carbon disulfide	10		ug/m ³	0.53	0.53	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
74-83-9	Bromomethane	ND		ug/m ³	0.67	0.67	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
75-25-2	Bromoform	ND		ug/m ³	1.8	1.8	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	1.1	1.1	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	0.89	0.89	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
71-43-2	Benzene	28		ug/m ³	0.55	0.55	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
67-64-1	Acetone	84		ug/m ³	0.41	0.41	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
591-78-6	* 2-Hexanone	ND		ug/m ³	1.4	1.4	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
78-93-3	2-Butanone	19		ug/m ³	0.51	0.51	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD



Sample Information

Client Sample ID: SV-4

York Sample ID: 14I0533-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0533

140127 551 Waverly Ave. Brooklyn, NY

Soil Vapor

September 12, 2014 3:00 pm

09/15/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/m ³	0.62	0.62	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
106-99-0	1,3-Butadiene	44		ug/m ³	0.74	0.74	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
108-67-8	1,3,5-Trimethylbenzene	5.3		ug/m ³	0.84	0.84	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.2	1.2	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.79	0.79	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.69	0.69	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
95-63-6	1,2,4-Trimethylbenzene	21		ug/m ³	0.84	0.84	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.3	1.3	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.68	0.68	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.69	0.69	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	8.3		ug/m ³	0.96	0.96	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.94	0.94	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.3	1.3	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.2	1.2	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.94	0.94	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
75-71-8	Dichlorodifluoromethane	2.5		ug/m ³	0.85	0.85	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.3	1.3	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	1.4	1.4	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.70	0.70	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	0.79	0.79	1.7152	EPA TO-15	09/16/2014 07:16	09/16/2014 10:16	ALD
	Surrogate Recoveries	Result			Acceptance Range						
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	89.3 %			72-118						



Analytical Batch Summary

Batch ID: BI40720

Preparation Method: EPA TO15 PREP

Prepared By: ALD

YORK Sample ID	Client Sample ID	Preparation Date
14I0533-01	SV-1	09/16/14
14I0533-02	SV-2	09/16/14
14I0533-03	SV-3	09/16/14
14I0533-04	SV-4	09/16/14
BI40720-BLK1	Blank	09/15/14
BI40720-BS1	LCS	09/15/14



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI40720 - EPA TO15 PREP

Blank (BI40720-BLK1)

Prepared & Analyzed: 09/15/2014

Vinyl Chloride	ND	0.13	ug/m ³								
Vinyl acetate	ND	0.35	"								
Trichloroethylene	ND	0.13	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
Toluene	ND	0.38	"								
Tetrahydrofuran	ND	0.29	"								
Tetrachloroethylene	ND	0.17	"								
Styrene	ND	0.43	"								
Propylene	ND	0.17	"								
p-Ethyltoluene	ND	0.49	"								
p- & m- Xylenes	ND	0.87	"								
o-Xylene	ND	0.43	"								
n-Hexane	ND	0.35	"								
n-Heptane	ND	0.41	"								
Methylene chloride	ND	0.69	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
4-Methyl-2-pentanone	ND	0.41	"								
Isopropanol	ND	0.49	"								
Hexachlorobutadiene	ND	1.1	"								
Ethyl Benzene	ND	0.43	"								
Ethyl acetate	ND	0.72	"								
Cyclohexane	ND	0.34	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
cis-1,2-Dichloroethylene	ND	0.40	"								
Chloromethane	ND	0.21	"								
Chloroform	ND	0.49	"								
Chloroethane	ND	0.26	"								
Carbon tetrachloride	ND	0.16	"								
Carbon disulfide	ND	0.31	"								
Bromomethane	ND	0.39	"								
Bromoform	ND	1.0	"								
Bromodichloromethane	ND	0.62	"								
Benzyl chloride	ND	0.52	"								
Benzene	ND	0.32	"								
Acetone	ND	0.24	"								
2-Hexanone	ND	0.82	"								
2-Butanone	ND	0.29	"								
1,4-Dioxane	ND	0.36	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Butadiene	ND	0.43	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,1-Dichloroethylene	ND	0.40	"								
1,1-Dichloroethane	ND	0.40	"								



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit			Result					Limit	

Batch BI40720 - EPA TO15 PREP

Blank (BI40720-BLK1)

Prepared & Analyzed: 09/15/2014

Trichlorofluoromethane (Freon 11)	ND	0.56	ug/m ³								
1,1,2-Trichloroethane	ND	0.55	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,1-Trichloroethane	ND	0.55	"								
Dichlorodifluoromethane	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
Dibromochloromethane	ND	0.80	"								
Methyl Methacrylate	ND	0.41	"								
Chlorobenzene	ND	0.46	"								

<i>Surrogate: p-Bromofluorobenzene</i>	8.42		ppbv	9.60		87.7	72-118				
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LCS (BI40720-BS1)

Prepared & Analyzed: 09/15/2014

Vinyl Chloride	7.00		ppbv	9.70		72.2	70-130				
Vinyl acetate	5.14		"	10.8		47.6	70-130	Low Bias			
Trichloroethylene	8.37		"	9.90		84.5	70-130				
trans-1,3-Dichloropropylene	9.40		"	10.9		86.2	70-130				
trans-1,2-Dichloroethylene	8.42		"	9.70		86.8	70-130				
Toluene	10.2		"	10.4		98.3	70-130				
Tetrahydrofuran	8.20		"	9.20		89.1	70-130				
Tetrachloroethylene	8.98		"	10.0		89.8	70-130				
Styrene	10.4		"	10.3		101	70-130				
Propylene	8.41		"	10.4		80.9	70-130				
p-Ethyltoluene	11.9		"	10.1		118	70-130				
p- & m- Xylenes	21.3		"	20.2		106	70-130				
o-Xylene	10.8		"	10.5		102	70-130				
n-Hexane	9.55		"	10.0		95.5	70-130				
n-Heptane	9.47		"	10.3		91.9	70-130				
Methylene chloride	8.02		"	9.90		81.0	70-130				
Methyl tert-butyl ether (MTBE)	9.13		"	9.80		93.2	70-130				
4-Methyl-2-pentanone	8.35		"	9.20		90.8	70-130				
Isopropanol	7.84		"	9.20		85.2	70-130				
Hexachlorobutadiene	8.73		"	9.90		88.2	70-130				
Ethyl Benzene	10.8		"	10.3		104	70-130				
Ethyl acetate	8.96		"	8.50		105	70-130				
Cyclohexane	9.54		"	10.1		94.5	70-130				
cis-1,3-Dichloropropylene	9.31		"	10.5		88.7	70-130				
cis-1,2-Dichloroethylene	9.14		"	10.3		88.7	70-130				
Chloromethane	7.34		"	9.70		75.7	70-130				
Chloroform	8.53		"	10.1		84.5	70-130				
Chloroethane	9.32		"	9.90		94.1	70-130				
Carbon tetrachloride	7.92		"	10.2		77.6	70-130				
Carbon disulfide	8.50		"	10.5		81.0	70-130				
Bromomethane	8.92		"	9.90		90.1	70-130				
Bromoform	9.81		"	10.1		97.1	70-130				
Bromodichloromethane	8.61		"	9.90		87.0	70-130				
Benzyl chloride	8.07		"	10.2		79.1	70-130				
Benzene	9.02		"	10.2		88.4	70-130				
Acetone	8.35		"	9.80		85.2	70-130				
2-Hexanone	6.84		"	9.30		73.5	70-130				
2-Butanone	7.80		"	9.40		83.0	70-130				
1,4-Dioxane	8.37		"	9.90		84.5	70-130				



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI40720 - EPA TO15 PREP											
LCS (BI40720-BS1)											
Prepared & Analyzed: 09/15/2014											
1,4-Dichlorobenzene	10.7		ppbv	10.2		105	70-130				
1,3-Dichlorobenzene	10.6		"	10.2		104	70-130				
1,3-Butadiene	6.95		"	10.1		68.8	70-130	Low Bias			
1,3,5-Trimethylbenzene	11.3		"	10.2		111	70-130				
1,2-Dichlorotetrafluoroethane	7.22		"	10.2		70.8	70-130				
1,2-Dichloropropane	8.95		"	10.3		86.9	70-130				
1,2-Dichloroethane	8.14		"	10.1		80.6	70-130				
1,2-Dichlorobenzene	10.4		"	10.1		103	70-130				
1,2,4-Trimethylbenzene	12.1		"	10.2		118	70-130				
1,2,4-Trichlorobenzene	11.4		"	9.60		118	70-130				
1,1-Dichloroethylene	8.65		"	10.0		86.5	70-130				
1,1-Dichloroethane	8.62		"	10.0		86.2	70-130				
Trichlorofluoromethane (Freon 11)	8.91		"	10.5		84.9	70-130				
1,1,2-Trichloroethane	8.81		"	10.3		85.5	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.44		"	9.70		87.0	70-130				
1,1,2,2-Tetrachloroethane	9.71		"	10.5		92.5	70-130				
1,1,1-Trichloroethane	8.25		"	9.90		83.3	70-130				
Dichlorodifluoromethane	5.91		"	10.0		59.1	70-130	Low Bias			
1,2-Dibromoethane	9.37		"	10.3		91.0	70-130				
Dibromochloromethane	9.63		"	10.3		93.5	70-130				
Methyl Methacrylate	8.92		"	9.50		93.9	70-130				
Chlorobenzene	10.2		"	10.4		98.1	70-130				
<i>Surrogate: p-Bromofluorobenzene</i>	8.35		"	9.60		87.0	72-118				



Notes and Definitions

QL-03 This LCS analyte recovered outside of acceptance limits. The LCS contains approximately 70 compounds, a limited number of which may be outside acceptance windows.

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

