1038 GREENE AVENUE

BROOKLYN, NEW YORK 11221

Remedial Investigation Report

NYC VCP Site Number:
OER Site Number: 14EHAN603K

Prepared for:

Greene Pastures, LLC
329 Hewes Street
Brooklyn, NY 11211

Prepared by:

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

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NOVEMBER 2014

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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	Photo-ionization Detector
QEP	Qualified Environmental Professional
RI	Remedial Investigation
RIR	Remedial Investigation Report
SCO	Soil Cleanup Objective
SPEED	Searchable Property Environmental Electronic Database

CERTIFICATION

I, Charles Sosik, 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 Redevelopment Project located at 1038 Greene Avenue, Brooklyn, NY, (NYC VCP Site No.). 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.

	11/19/2014	Charles Sosik
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 1038 Greene Avenue in the Williamsburg section of Brooklyn, New York, and is currently identified as Block 1623, Lot 25 on the New York City Tax Map. Figure 1 shows the Site location. Lot 25 is a rectangular shaped lot consisting of 80 feet of street frontage on Greene Avenue and a depth of approximately 100 feet for a total of approximately 8,000 ft^2. The Site is located on the south side of Greene Avenue between Patchen Avenue and Broadway and is bordered by Greene Avenue to the north, a 1 and 2 family residential building to the west, a multi-family walk up to the east, and a church to the south. A map of the site boundary is shown on Figure 2.

The entire footprint of Lot 25 is currently developed with a one story commercial building (with partial basement), utilized as a warehouse.

Summary of Proposed Redevelopment Plan

The development project consists of redeveloping the lot with a new 7-story residential apartment building with a full cellar level. Cellar uses will include a 375 ft^2 recreation room, two 325 ft^2 accessory recreation rooms, a 300 ft^2 accessory recreation room, a 295 ft^2 accessory recreation room, a compactor room, fire pump room, storage rooms, laundry room, electric meter room, water meter room, gas meter room, elevator shaft, and stairwells. The first floor consists of the residential lobby, 5 apartments, refuse room, elevator, and bicycle parking room. Floors 2 through 7 will consist of residential apartments.

The building will cover 4,480 ft^2 of the lot leaving an 8 ft concrete walkway on either side of the building and a 30 ft x 80 ft concrete capped rear yard. The cellar level will require excavation to a depth of approximately 12 feet below grade. Therefore, an estimated 2,700 cubic yards (4,050

tons) of soil will require excavation for the new building's cellar. The water table is approximately 44 feet below grade surface (bgs), and will not be encountered during excavation. The general layout of the building is presented in Figure 3. The current zoning designation is C4-4L. The proposed use is consistent with existing zoning for the property.

Summary of Past Uses of Site and Areas of Concern

A Phase I screening was competed by EBC in 2014. The following Site history was established based on historic Sanborn maps:

Prior to 1888, the Site was developed with a three-story residential building. The three-story structure was occupied by the Kings County Republican club in 1908. By 1932 the three-story building constructed on the Site had been demolished and replaced with the one story commercial building. The building was utilized as a garage (Greene and Bway garage, Wexler Albert Garage) and had an underground gasoline storage tank located within the north side of the building. According to the 1962 Sanborn map, the building was utilized as a metal products warehouse. From approximately 1965 to 1995, the building was utilized as a furniture warehouse (ALW Trucking and Express CO Inc and Adee Transport) and from 2001 to 2007, the building was utilized as a church. The building is currently utilized as a warehouse.

The Site is not listed within any of the Federal, State or City (with exception of the E) environmental databases. There is no record of a tank registered to the property. The Site was assigned an E-designation (E-285) for Hazmat, Noise and Air during the North Bedford Stuyvesant rezoning action completed by the City in October 2012.

Areas of Concern

Areas of Concern (AOCs) identified for the Site include:

1. The presence of historic fill material to depths as great as 10 feet.
2. A gasoline tank is drawn on the northern end of the Site on the 1932 Sanborn map.

Summary of the Work Performed under the Remedial Investigation

EBC performed the following scope of work at the Site in August of 2014:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);

2. Installed three soil borings in June of 2014, and collected three soil samples for chemical analysis from the soil borings to evaluate soil quality as part of a due diligence investigation;
3. Installed five soil borings in August of 2014, and collected ten soil samples and one duplicate soil sample for chemical analysis from the soil borings to evaluate soil quality as part of the Remedial Investigation;
4. Installed three groundwater monitoring wells throughout the Site and collected three groundwater samples and one duplicate groundwater sample for chemical analysis to evaluate groundwater quality; and
5. Installed five soil vapor implants and collected four soil vapor samples for chemical analysis.

Summary of Environmental Findings

1. The elevation of the Site is approximately 56 feet.
2. Depth to groundwater is estimated to be approximately 44 feet below sidewalk grade.
3. Groundwater flow is generally south-southwest.
4. Depth to bedrock is at the Site is greater than 100 feet.
5. The stratigraphy of the Site consists of a 2 to 4 ft layer of historic fill material that extends to depths as great as 10 feet below grade in some areas. The fill is underlain by native brown silty sand.
6. Thirteen soil/fill samples results were compared to New York State Department of Environmental Conservation (NYSDEC) Part 375 Table 375-6.8 Unrestricted Use and Restricted Residential Use Soil Cleanup Objectives (SCOs). The samples showed no SVOCs or PCBs above Unrestricted Use SCOs. One VOC, acetone (maximum of 160 µg/kg) was detected above Unrestricted Use SCOs in all 13 soil samples. Several other VOCs were detected below Unrestricted Use SCOs and included ethylbenzene, m&p-xylenes, methyl ethyl ketone, methylene chloride, and o-xylene, and p-isopropyltoluene. The pesticides 4,4'-DDE (maximum of 10 µg/kg) and 4,4’-DDT (18 µg/kg), were found in two shallow samples exceeding Unrestricted Use SCOs. Several metals including copper (60 mg/kg), chromium (maximum of 34.4 mg/kg), lead (maximum of 356 mg/kg), mercury (maximum of 0.49 mg/kg), and zinc (maximum of 341 mg/kg) exceeded

Unrestricted Use SCOs within each of the shallow soil samples. No metals were detected above Restricted Residential Use SCOs. Overall, the soil results were consistent with data identified at sites with historic fill material in NYC.

7. Three groundwater samples results were compared to New York State 6NYCRR Part 703.5 Class GA groundwater quality standards (GQS). Groundwater samples showed no PCBs or pesticides above GQS. No VOCs were detected above GQS, with the exception of trichloroethene which was detected in all three groundwater samples at a maximum concentration of 5.2 µg/L. Several other VOCs were detected at trace amounts and included acetone (maximum of 2.3 µg/L), chloroform (2.3 µg/L), and tetrachloroethene (max. of 4.6 µg/L). One SVOC, benz(a)anthracene (maximum of 0.02 µg/L) was detected above GQS in one groundwater sample. Several metals were identified, but only iron, magnesium, manganese, and sodium exceeded their respective GQSs.
8. Soil vapor results collected during the RI were compared to the compounds listed in Vapor Intrusion Matrices in the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion, dated October 2006. Samples indicated petroleum related VOCs were at low concentrations and chlorinated VOCs were present at moderate concentrations. Petroleum-related VOCs (BTEX) were detected at a maximum concentration of 595.4 micrograms per cubic meter (µg/m^3). Overall the highest reported concentrations were for toluene (maximum of 201 µg/m^3) and m&p-xylenes (209 µg/m^3). The chlorinated VOC tetrachloroethylene (PCE) was detected in all five soil gas samples ranging in concentration from 5.02 to 97.6 µg/m^3. Trichloroethene (TCE) was detected in all five soil gas samples and ranged in concentration from 2.36 to 76.3 µg/m^3. Carbon tetrachloride (maximum of 0.943 µg/m^3) was detected within four of the five soil gas samples. The chlorinated VOC 1,1,1-trichloroethane was not detected in any of the five soil gas samples. The concentrations of TCE were above guidance matrix established by NYSDOH and require mitigation.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

Greene Pastures LLC has applied to enroll in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 0.18-acre Site located at 1038 Greene Avenue in the Williamsburg section of Brooklyn, New York. The Site will be redeveloped with a 7-story residential apartment building. The RI was conducted in August of 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 1038 Greene Avenue in the Williamsburg section of Brooklyn, New York, and is currently identified as Block 1623, Lot 25 on the New York City Tax Map. Figure 1 shows the Site location. Lot 25 is a rectangular shaped lot consisting of 80 feet of street frontage on Myrtle Avenue and a depth of approximately 100 feet for a total of approximately 8,000 ft^2. The Site is located on the south side of Greene Avenue between Patchen Avenue and Broadway and is bordered by Greene Avenue to the north, a 1 and 2 family residential building to the west, a multi-family walk up to the east, and a church to the south. A map of the site boundary is shown on Figure 2.

The entire footprint of Lot 25 is currently developed with a one story commercial building (with partial basement), utilized as a warehouse.

1.2 Proposed Redevelopment Plan

The development project consists of redeveloping the lot with a new 7-story residential apartment building with a full cellar level. Cellar uses will include a 375 ft^2 recreation room, two 325 ft^2 accessory recreation rooms, a 300 ft^2 accessory recreation room, a 295 ft^2 accessory recreation room, a compactor room, fire pump room, storage rooms, laundry room, electric meter room, water meter room, gas meter room, elevator shaft, and stairwells. The first floor consists of

the residential lobby, 5 apartments, refuse room, elevator, and bicycle parking room. Floors 2 through 7 will consist of residential apartments.

The building will cover 4,480 ft^2 of the lot leaving an 8 ft concrete walkway on either side of the building and a 30 ft x 80 ft concrete capped rear yard. The cellar level will require excavation to a depth of approximately 12 feet below grade. Therefore, an estimated 2,700 cubic yards (4,050 tons) of soil will require excavation for the new building's cellar The water table is approximately 44 feet below grade surface (bgs), and will therefore not be encountered during excavation. The general layout of the building is presented in Figure 3. The current zoning designation is C4-4L. The proposed use is consistent with existing zoning for the property.

1.3 Description of Surrounding Property

The area immediately surrounding Site consists of residential lots consisting of 3 and 4-story multi-family walk ups and 1 and 2 family buildings to the east and west, a parking lot to the North, a large office building to the northeast, and a church directly south. Figure 4 shows the surrounding land usage of the adjacent properties listed below as well as additional properties located up to 500 feet away from the Site. There are 3 churches and one school located within a 250 ft radius of the Site.

Surrounding Property Usage

Direction	Property Description
North	Block 1618, Lot 35 - 1003 Green Avenue Greene Avenue, beyond which is a commercial building
South	Block 1623, Lot 63 - 869 Lexington Avenue A commercial building
East	Block 1623, Lot 24 - 1046 Greene Avenue A residential building
West	Block 1623, Lot 29 - 1034 Greene Avenue A residential building

2.0 SITE HISTORY

2.1 Past Uses and Ownership

A Phase I Environmental Site Assessment Report was prepared for the Site by EBC in July of 2014. A copy of the Phase I Report is attached in Attachment A. The following Site history was established based on a review of the historic Sanborn maps and City Directory Listings:

Prior to 1888, the Site was developed with a three-story residential building. The three-story structure was occupied by the Kings County Republican club in 1908. By 1932 the three-story building constructed on the Site had been demolished and replaced with the one story commercial building. The building was utilized as a garage (Greene and Bway garage, Wexler Albert Garage) and had an underground gasoline storage tank located within the north side of the building. According to the 1962 Sanborn map, the building was utilized as a metal products warehouse. From approximately 1965 to 1995, the building was utilized as a furniture warehouse (ALW Trucking and Express CO Inc and Adee Transport) and from 2001 to 2007, the building was utilized as a church. The building is currently utilized as a warehouse.

Based on these findings, EBC identified the following recognized environmental conditions for the Site:

- Presence of two gaoline USTs, gasoline fill port and vent lines, and dispenser.
- Spill located at 1003 Green Avenue.

The Site is not listed within any of the Federal, State or City (with exception of the E) environmental databases. There is no record of a tank registered to the property. The Site was assigned an E-designation (E-285) for Hazmat, Noise and Air during the North Bedford Stuyvesant rezoning action completed by the City in October 2012.

2.2 Previous Investigations

EBC is not aware of any previous investigations conducted at the Site.

2.3 Site Inspection

Mr. Kevin Waters of EBC performed a site inspection on June 19, 2014, beginning at approximately 10:00 am. The reconnaissance included a visual inspection of the interior of the

building, the sidewalk immediately in front of the building, and the exterior of adjacent properties. At the time of the inspection, the Site was developed with a one-story warehouse building. Two vent pipes typically associated with underground gasoline tanks were observed extending through the roof. A gasoline fill port was noted within the sidewalk and a gasoline dispenser was observed within the building. An oil/water separator was observed within the front portion of the building. In addition, EBC noted the presence of several empty 55 gallon steel drums, and one 55 gallon steel drum that still contained used oil.

2.4 Areas of Concern

Areas of Concern (AOCs) identified for the Site include:

1. The presence of historic fill material to depths as great as 10 feet.
2. A gasoline tank is drawn on the northern end of the Site on the 1932 Sanborn map.

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3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Kevin Brussee.

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.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

EBC performed the following scope of work at the Site in June and August of 2014:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed five soil borings in June of 2014 around the underground gasoline storage tanks, and collected three soil samples for chemical analysis from the soil borings to evaluate soil quality as part of a due diligence investigation;
3. Installed five soil borings in August of 2014 from across the Site, and collected ten soil samples and one duplicate soil sample for chemical analysis from the soil borings to evaluate soil quality as part of the Remedial Investigation;
4. Installed three groundwater monitoring wells throughout the Site and collected three groundwater samples and one duplicate groundwater sample for chemical analysis to evaluate groundwater quality; and
5. Installed five soil vapor implants and collected four soil vapor samples for chemical analysis.

4.1 Geophysical Investigation

A geophysical investigation was not performed as a part of this assessment.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

On June 3, 2014 and August 20, 2014, a total of ten soil borings (B1 through B10) were installed at the locations shown on Figure 5. Soil borings B1 through B5 were performed in June of 2014 to determine if the two underground gasoline storage tanks had negatively impacted subsurface soil. The location of soil borings B6 through B10 were chosen to gain representative soil quality information across the remainder of the Site. For each of the five soil borings completed August 20, 2014 (B6 to B10), and for the five borings collected June 3, 2014 (B1, B2, B5) soil samples were collected continuously from grade to a final depth of 15 feet below existing grade or refusal using a five-foot steel macro-core sampler with acetate liners and Geoprobe direct-push equipment. Soil recovered from each of the soil borings was field screened for the presence of VOCs with a photoionization detector (PID) and visually inspected for evidence of

contamination. PID readings reported above background concentration included the following: a reading of 70 ppm was noted in B1 at approximately 13 ft below grade; a PID reading of 25 ppm was recorded at B8 from 0 to approximately 5 ft below grade. Soil samples for laboratory analysis were retained from 13 to 15 foot interval for B1, the 18 to 20 foot interval from B2 and B5, and from the 0 to 2 foot and 12 to 14 foot intervals from borings B6 to B10.

Soil boring details are provided in Table 1. Boring logs were prepared by a Qualified Environmental Professional and are provided in Attachment B.

Groundwater Monitoring Well Construction

Three temporary 1-inch diameter PVC monitoring wells (MW1 - MW3) with 10 feet of 0.010 slot screen were installed to intersect the water table. Since groundwater was encountered at approximately 45 feet below grade, monitoring wells were installed to a depth of 50 to 55 feet. Monitoring well sampling details are provided in Table 1. Monitoring well locations are shown in Figure 5.

Survey

Soil borings, monitoring wells and soil gas sampling locations were located to the nearest 0.10 foot with respect to two or more permanent site features.

Water Level Measurement

Approximate groundwater level measurements were collected using a Solinst oil/water interface meter to ensure the surface of the water table was within the screened section of the monitoring well. No free product was observed within the two monitoring wells. Water level data is included in Table 1.

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 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 soil samples were collected for chemical analysis during this RI. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Tables 2, 3, 4 and 5. Figure 5 shows the location of samples collected during this RI. Laboratories and analytical methods for soil samples collected during the RI are shown below.

The thirteen soil samples were collected in pre-cleaned, laboratory supplied glassware, stored in a cooler with ice and submitted for analysis with proper chain of custody to Phoenix Environmental Laboratories (Phoenix) of 587 East Middle Turnpike, Manchester, CT 06040, a New York State ELAP certified environmental laboratory (ELAP Certification No. 11301). All soil samples were analyzed for the presence of volatile organic compounds (VOCs) by EPA Method 8260, semi-volatile organic compounds (SVOCs) by EPA Method 8270, pesticides/PCBs by EPA Methods 8081/8082, and target analyte list (TAL) metals.

Groundwater Sampling

Three groundwater samples and one duplicate sample were collected for chemical analysis during this RI. Groundwater samples were collected from the monitoring wells utilizing dedicated polyethylene tubing and a peristaltic pump. Groundwater samples were collected in pre-cleaned, laboratory supplied glassware, stored in a cooler with ice and submitted to Phoenix for analysis of VOCs by EPA Method 8260, SVOCs by EPA Method 8270, pesticides/PCBs by EPA Methods 8081/8082 and TAL metals. Groundwater sample collection data is reported in Tables 6 through 9. Sampling logs with information on purging and sampling of groundwater monitoring wells are included in Attachment C. Figure 5 shows the location of the wells. Laboratories and analytical methods are shown below.

Soil Vapor Sampling

Five soil vapor probes (SG1, SG2, SG3, SG4 and SG5) were installed and five soil vapor samples were collected for chemical analysis during this RI. The five soil vapor sampling

locations are shown in Figure 5. Soil vapor sample collection data is reported in Table 10, and the soil vapor sampling logs are included in Attachment D. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.*
All five soil vapor probes were installed using Geoprobe™ equipment and tooling. The vapor probes that were installed were the Geoprobe™ Model AT86 series, which are constructed of a 6-inch length of double woven stainless steel wire. The five soil vapor probes were installed to a depth of 11 feet below grade. Each probe was attached to ¼ inch polyethylene tubing which extended approximately 18 inches beyond that needed to reach the surface. The tubing was capped with a ¼ inch plastic end to prevent the infiltration of foreign particles into the tube. Coarse sand was placed around the probe to a height of approximately 1 foot above the bottom of the probe. The remainder of the borehole was sealed with a bentonite slurry to the surface.

Soil vapor sampling for the five soil vapor probes was conducted on September 1, 2014. Prior to sampling, each sampling location was tested to ensure a proper surface seal had been obtained. In accordance with NYSDOH guidance (NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, February 2005), a tracer gas (helium) was used as a quality assurance/quality control device to verify the integrity of the sampling point seal prior to collecting the samples. Prior to testing and collecting samples, the surface immediately surrounding the polyethylene tubing of the vapor implant was sealed using a 1 foot ft by 1 ft square sheet of 2 mil HDPE plastic firmly adhered to a wetted layer of granular bentonite. The seal was then tested by enriching the air space above the seal with a tracer gas (helium) while continuously monitoring air drawn from the implant with a helium detector (Dielectric Model MGD-2002, Multi-Gas Detector) for a minimum of 15 minutes. The tracer gas test procedure was employed at all five soil vapor sampling locations. No surface seal leaks were observed at any of the locations.

Following verification that the surface seal was tight, one to three volumes (i.e., the volume of the sample probe and tube) of air was purged from the implant using a calibrated vacuum pump. After purging, a 6-liter Summa® canister, fitted with a 2-hour flow regulator, was attached to the surface tube of each of the four vapor implants. Prior to initiating sample collection, sample identification, canister number, date and start time were recorded on tags attached to each canister and in a bound field note book. Sampling then proceeded by fully opening the flow

control valve on each canister in turn. Immediately after opening the flow control valve on a canister, the initial vacuum (inches of mercury) was recorded in the field book and on the sample tag. When the vacuum level in the canister was between 5 and 8 inches of mercury (approx 2 hours), the flow controller valve was closed, and the final vacuum recorded in the field notebook and on the sample tag.

The soil gas sample identification, date, start time, start vacuum, end time and end vacuum were recorded on tags attached to each canister and on a sample log sheet (Attachment D). Samples were submitted to Phoenix for laboratory analysis of VOCs EPA Method TO-15.

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 Phoenix Environmental Laboratories
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and was Phoenix Environmental Laboratories
Chemical Analytical Methods	Soil and groundwater analytical methods: • 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); Soil vapor analytical methods: • VOCs by TO-15 VOC parameters.

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Tables 2 through 10. Laboratory data deliverables for all samples evaluated in this RIR are provided in Attachment E.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

Stratigraphy

The stratigraphy of the Site from the surface down consists of a 2 to 4 ft layer of historic fill material that extends to depths as great as 10 feet below grade in some areas. The fill is underlain by native brown silty sand.

Hydrogeology

A table of water level data for monitoring wells MW1, MW2 and MW3 is included in Table 1. The average depth to groundwater is 45 feet. Groundwater flow is generally southwest.

5.2 Soil Chemistry

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. A summary table of data for chemical analyses performed on soil samples is included in Tables 2 through 5. Figure 6 posts the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Unrestricted Use and Restricted Residential Use Soil Cleanup Objectives.

Data collected during the RI showed no SVOCs or PCBs above Unrestricted Use SCOs. One VOC, acetone (maximum of 160 µg/kg) was detected above Unrestricted Use SCOs in all 13 soil samples. Several other VOCs were detected below Unrestricted Use SCOs and included ethylbenzene, m&p-xylenes, methyl ethyl ketone, methylene chloride, and o-xylene, and p-isopropyltoluene. The pesticides 4,4'-DDE (maximum of 10 µg/kg) and 4,4'-DDT (18 µg/kg), were found in two shallow samples exceeding Unrestricted Use SCOs. Several metals including copper (60 mg/kg), chromium (maximum of 34.4 mg/kg), lead (maximum of 356 mg/kg), mercury (maximum of 0.49 mg/kg), and zinc (maximum of 341 mg/kg) exceeded Unrestricted Use SCOs within each of the shallow soil samples. No metals were detected above Restricted Residential Use SCOs. Overall, the soil results were consistent with data identified at sites with historic fill material in NYC.

5.3 Groundwater Chemistry

Groundwater samples collected during the RI showed no PCBs or pesticides above GQS. No VOCs were detected above GQS, with the exception of trichloroethene which was detected in all three groundwater samples at a maximum concentration of 5.2 µg/L. Several other VOCs were detected at trace amounts and included acetone (maximum of 2.3 µg/L), chloroform (2.3 µg/L), and tetrachloroethene (max. of 4.6 µg/L). One SVOC, benz(a)anthracene (maximum of 0.02 µg/L) was detected above GQS in one groundwater sample. Several metals were identified, but only iron, magnesium, manganese, and sodium exceeded their respective GQSs.

5.4 Soil Vapor Chemistry

Data collected during the RI indicated petroleum related VOCs were at low concentrations and chlorinated VOCs were present at moderate concentrations. Petroleum-related VOCs (BTEX) were detected at a maximum concentration of 595.4 micrograms per cubic meter (µg/m^3). Overall the highest reported concentrations were for toluene (maximum of 201 µg/m^3) and m&p-xylenes (209 µg/m^3). The chlorinated VOC tetrachloroethylene (PCE) was detected in all five soil gas samples ranging in concentration from 5.02 to 97.6 µg/m^3. Trichloroethene (TCE) was detected in all five soil gas samples and ranged in concentration from 2.36 to 76.3 µg/m^3. Carbon tetrachloride (maximum of 0.943 µg/m^3) was detected within four of the five soil gas samples. The chlorinated VOC 1,1,1-trichloroethane was not detected in any of the five soil gas samples. The concentrations of TCE were above guidance matrix established by NYSDOH and require mitigation.

5.4 Prior Activity

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

5.5 Impediments to Remedial Action

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

TABLES

Table 1
1038 Greene Avenue, Brooklyn, NY
Soil Boring / Well Information

SAMPLE ID	Date	Total Depth (ft)	Diameter (in)	Construction Materials	Screen Length (ft)	DTW (ft)
SB1	6/3/2014	20	2	Geoprobe	-	-
SB2	6/3/2014	20	2	Geoprobe	-	-
SB3	6/3/2014	12	2	Geoprobe	-	-
SB4	6/3/2014	13	2	Geoprobe	-	-
SB5	6/3/2014	20	2	Geoprobe	-	-
SB6	8/20/2014	15	2	Geoprobe	-	-
SB7	8/20/2014	15	2	Geoprobe	-	-
SB8	8/20/2014	15	2	Geoprobe	-	-
SB9	8/20/2014	15	2	Geoprobe	-	-
SB10	8/20/2014	15	2	Geoprobe	-	-
MW1	8/20/2014	55	1	PVC	10.00	45
MW2	8/20/2014	55	1	PVC	10.00	45
MW3	8/20/214	50	1	PVC	10.00	45

TABLE 2
1036 Greene Avenue,
Brooklyn, New York
Soil Analytical Results
Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	B1		B2		B5		B6				B7				B8				B9				B10			
			13-Jun-14		13-Jun-14		13-Jun-14		8/20/2014				8/20/2014				8/20/2014				8/20/2014				8/20/2014			
			(13-15')		(18-20')		(18-20')		(0-2')		(12-14')		(0-2')		(12-14')		(0-2')		(12-14')		(0-2')		(12-14')		(0-2')		(12-14')	
			µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachlorothane			< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
1,1,1-Trichloroethane	680	100,000	< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
1,1,2,2-Tetrachloroethane			< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
1,1,2-Trichloroethane			< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
1,1-Dichloroethane	270	26,000	< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
1,1-Dichloroethene	330	100,000	< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
1,1-Dichloropropene			< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
1,2,3-Trichlorobenzene			< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
1,2,3-Trichloropropane			< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
1,2,4-Trichlorobenzene			< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
1,2,4-Trimethylbenzene	3,600	52,000	< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
1,2-Dibromo-3-chloropropane			< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
1,2-Dibromomethane			< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
1,2-Dichlorobenzene	1,100	100,000	< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
1,2-Dichloroethane	20	3,100	< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
1,2-Dichloropropane			< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
1,3,5-Trimethylbenzene	8,400	52,000	< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
1,3-Dichlorobenzene	2,400	4,900	< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
1,3-Dichloropropane			< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
1,4-Dichlorobenzene	1,800	13,000	< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
2,2-Dichloropropane			< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
2-Chlorotoluene			< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
2-Hexanone (Methyl Butyl Ketone)			< 27	27	< 26	26	< 27	27	< 27	27	< 27	27	< 27	27	< 27	27	< 27	27	< 27	27	< 27	27	< 27	27	< 27	27	< 26	26
2-Isopropyltoluene			< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
4-Chlorotoluene			< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
4-Methyl-2-Pentanone			< 27	27	< 26	26	< 27	27	< 27	27	< 27	27	< 27	27	< 27	27	< 27	27	< 27	27	< 27	27	< 27	27	< 27	27	< 26	26
Acetone	50	100,000	**6.7**	50	**6.2**	50	**15**	50	**160**	50	**39**	50	**80**	50	**57**	50	**56**	50	< 50	50	**51**	50	**84**	50	**160**	50	**51**	50
Acrylonitrile			< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11
Benzene	60	4,800	< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
Bromobenzene			< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
Bromochloromethane			< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
Bromodichloromethane			< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
Bromoform			< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
Bromomethane			< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
Carbon Disulfide			< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
Carbon tetrachloride	760	2,400	< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
Chlorobenzene	1,100	100,000	< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
Chloroethane			< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
Chloroform	370	49,000	< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
Chloromethane			< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
cis-1,2-Dichloroethene	250	100,000	< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
cis-1,3-Dichloropropene			< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
Dibromochloromethane			< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
Dibromomethane			< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
Dichlorodifluoromethane			< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
Ethylbenzene	1,000	41,000	< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	**1.1**	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
Hexachlorobutadiene			< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
Isopropylbenzene			< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
m&p-Xylenes	260	100,000	< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	**2.5**	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	**5.3**	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	**3.3**	5.4	< 5.3	5.3
Methyl Ethyl Ketone (2-Butanone)	120	100,000	< 33	33	< 32	32	< 33	33	**16**	33	< 32	32	< 33	33	< 32	32	< 33	33	< 33	33	< 32	32	< 32	32	**10**	33	< 32	32
Methyl t-butyl ether (MTBE)	930	100,000	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11
Methylene chloride	50	100,000	**1.6**	5.5	**2.7**	5.3	**3.4**	5.5	**2.4**	5.5	**2.8**	5.4	**2.7**	5.5	**2.7**	5.3	**3**	5.4	**2.6**	5.5	**2.5**	5.4	**2.7**	5.4	**2.6**	5.4	**2.6**	5.3
Naphthalene	12,000	100,000	< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
n-Butylbenzene	12,000	100,000	< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
n-Propylbenzene	3,900	100,000	< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
o-Xylene	260	100,000	< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	**2.2**	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
p-Isopropyltoluene			**1.1**	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
sec-Butylbenzene	11,000	100,000	< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
Styrene			< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
tert-Butylbenzene	5,900	100,000	< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
Tetrachloroethene	1,300	19,000	< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
Tetrahydrofuran (THF)			< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11
Toluene	700	100,000	< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
trans-1,2-Dichloroethene	190	100,000	< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
trans-1,3-Dichloropropene			< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
trabs-1,4-dichloro-2-butene			< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11
Trichloroethene	470	21,000	< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
Trichlorofluoromethane			< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
Trichlorotrifluoroethane			< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
Vinyl Chloride	20	900	< 5.5	5.5	< 5.3	5.3	< 5.5	5.5	< 5.5	5.5	< 5.4	5.4	< 5.5	5.5	< 5.3	5.3	< 5.4	5.4	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3
Total BTEX Concentration			**0**		**0**		**0**		**2.5**		**0**		**0**		**0**		**8.6**		**0**		**0**		**0**		**3.3**		**0**	
Total VOCs Concentration			**9.4**		**8.9**		**18.4**		**180.9**		**41.8**		**82.7**		**59.7**		**67.6**		**2.6**		**53.5**		**86.7**		**175.9**		**53.6**	

Notes:

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value

Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value

TABLE 3
1036 Greene Avenue,
Brooklyn, New York
Soil Analytical Results
Semi-Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	B1		B2		B5		B6				B7				B8				B9				B10			
			06/13/14		06/13/14		06/13/14		8/20/2014				8/20/2014				8/20/2014				8/20/2014				8/20/2014			
			(0-2')		(11-13')		(0-2')		(0-2')		(12-14')		(0-2')		(12-14')		(0-2')		(12-14')		(0-2')		(12-14')		(0-2')		(12-14')	
			µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,2,4,5-Tetrachlorobenzene			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
1,2,4-Trichlorobenzene			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
1,2-Dichlorobenzene			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
1,2-Diphenylhydrazine			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
1,3-Dichlorobenzene			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
1,4-Dichlorobenzene			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
2,4,5-Trichlorophenol			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
2,4,6-Trichlorophenol			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
2,4-Dichlorophenol			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
2,4-Dimethylphenol			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
2,4-Dinitrophenol			-	-	-	-	-	-	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1700	1,700	< 1800	1,800	< 1700	1,700
2,4-Dinitrotoluene			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
2,6-Dinitrotoluene			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
2-Chloronaphthalene			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
2-Chlorophenol			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
2-Methylnaphthalene			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
2-Methylphenol (o-cresol)	330	100,000	-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
2-Nitroaniline			-	-	-	-	-	-	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1700	1,700	< 1800	1,800	< 1700	1,700
2-Nitrophenol			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
3&4-Methylphenol (m&p-cresol)	330	100,000	-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
3,3'-Dichlorobenzidine			-	-	-	-	-	-	< 720	720	< 710	710	< 730	730	< 700	700	< 720	720	< 720	720	< 690	690	< 700	700	< 710	710	< 690	690
3-Nitroaniline			-	-	-	-	-	-	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1700	1,700	< 1800	1,800	< 1700	1,700
4,6-Dinitro-2-methylphenol			-	-	-	-	-	-	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1700	1,700	< 1800	1,800	< 1700	1,700
4-Bromophenyl phenyl ether			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
4-Chloro-3-methylphenol			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
4-Chloroaniline			-	-	-	-	-	-	< 720	720	< 710	710	< 730	730	< 700	700	< 720	720	< 720	720	< 690	690	< 700	700	< 710	710	< 690	690
4-Chlorophenyl phenyl ether			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
4-Nitroaniline			-	-	-	-	-	-	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1700	1,700	< 1800	1,800	< 1700	1,700
4-Nitrophenol			-	-	-	-	-	-	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1700	1,700	< 1800	1,800	< 1700	1,700
Acenaphthene	20,000	100,000	< 260	260	< 240	240	< 250	250	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
Acenaphthylene	100,000	100,000	< 260	260	< 240	240	< 250	250	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
Acetophenone			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
Aniline			-	-	-	-	-	-	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1700	1,700	< 1800	1,800	< 1700	1,700
Anthracene	100,000	100,000	< 260	260	< 240	240	< 250	250	< 250	250	< 250	250	**120**	260	< 240	240	< 250	250	< 250	250	**180**	240	< 240	240	< 250	250	< 240	240
Benz(a)anthracene	1,000	1,000	< 260	260	< 240	240	< 250	250	< 250	250	< 250	250	**290**	260	< 240	240	< 250	250	**240**	250	**540**	240	< 240	240	**160**	250	< 240	240
Benzidine			-	-	-	-	-	-	< 720	720	< 710	710	< 730	730	< 700	700	< 720	720	< 720	720	< 690	690	< 700	700	< 710	710	< 690	690
Benzo(a)pyrene	1,000	1,000	< 260	260	< 240	240	< 250	250	< 250	250	< 250	250	**260**	260	< 240	240	< 250	250	**240**	250	**480**	240	< 240	240	**150**	250	< 240	240
Benzo(b)fluoranthene	1,000	1,000	< 260	260	< 240	240	< 250	250	< 250	250	< 250	250	**370**	260	< 240	240	**210**	250	**300**	250	**650**	240	< 240	240	**230**	250	< 240	240
Benzo(ghi)perylene	100,000	100,000	< 260	260	< 240	240	< 250	250	< 250	250	< 250	250	**200**	260	< 240	240	< 250	250	**180**	250	**340**	240	< 240	240	**120**	250	< 240	240
Benzo(k)fluoranthene	800	3,900	< 260	260	< 240	240	< 250	250	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	**190**	240	< 240	240	< 250	250	< 240	240
Benzoic acid			-	-	-	-	-	-	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1700	1,700	< 1800	1,800	< 1700	1,700
Benzyl butyl phthalate			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
Bis(2-chloroethoxy)methane			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
Bis(2-chloroethyl)ether			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
Bis(2-chloroisopropyl)ether			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
Bis(2-ethylhexyl)phthalate			-	-	-	-	-	-	**150**	250	**150**	250	**300**	260	< 240	240	**330**	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
Carbazole			-	-	-	-	-	-	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1700	1,700	< 1800	1,800	< 1700	1,700
Chrysene	1,000	3,900	< 260	260	< 240	240	< 250	250	< 250	250	< 250	250	**300**	260	< 240	240	**160**	250	**200**	250	**540**	240	< 240	240	**190**	250	< 240	240
Dibenz(a,h)anthracene	330	330	< 260	260	< 240	240	< 250	250	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
Dibenzofuran	7,000	59,000	-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
Diethyl phthalate			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
Dimethylphthalate			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
Di-n-butylphthalate			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
Di-n-octylphthalate			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
Fluoranthene	100,000	100,000	< 260	260	< 240	240	< 250	250	**200**	250	< 250	250	**800**	260	< 240	240	**280**	250	**460**	250	**1,200**	240	< 240	240	**400**	250	**120**	240
Fluorene	30,000	100,000	< 260	260	< 240	240	< 250	250	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
Hexachlorobenzene			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
Hexachlorobutadiene			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
Hexachlorocyclopentadiene			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
Hexachloroethane			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
Indeno(1,2,3-cd)pyrene	500	500	< 260	260	< 240	240	< 250	250	< 250	250	< 250	250	**170**	260	< 240	240	< 250	250	**150**	250	**300**	240	< 240	240	< 250	250	< 240	240
Isophorone			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
Naphthalene	12,000	100,000	< 260	260	< 240	240	< 250	250	< 250	250	< 250	250	< 260	260	< 240	240	**110**	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
Nitrobenzene			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
N-Nitrosodimethylamine			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
N-Nitrosodi-n-propylamine			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
N-Nitrosodiphenylamine			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
Pentachloronitrobenzene			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
Pentachlorophenol	800	6,700	-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
Phenanthrene	100,000	100,000	< 260	260	< 240	240	< 250	250	< 250	250	< 250	250	**680**	260	< 240	240	**340**	250	**230**	250	**1,100**	240	< 240	240	**290**	250	**120**	240
Phenol	330	100,000	-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240
Pyrene	100,000	100,000	< 260	260	< 240	240	< 250	250	**170**	250	< 250	250	**660**	260	< 240	240	**230**	250	**420**	250	**1,000**	240	< 240	240	**330**	250	< 240	240
Pyridine			-	-	-	-	-	-	< 250	250	< 250	250	< 260	260	< 240	240	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240

Notes:
* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives
RL - Reporting Limit
Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value
Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value

TABLE 4
1036 Greene Avenue,
Brooklyn, New York
Soil Analytical Results
Pesticides PCBs

	COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	B6				B7				B8				B9				B10			
				(0-2') µg/Kg		(12-14') µg/Kg		(0-2') µg/Kg		(12-14') µg/Kg		(0-2') µg/Kg		(12-14') µg/Kg		(0-2') µg/Kg		(12-14') µg/Kg		(0-2') µg/Kg		(12-14') µg/Kg	
				Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Pesticides	4,4' -DDD	3.3	13,000	< 2.6	2.6	< 2.5	2.5	< 2.6	2.6	< 2.5	2.5	< 2.6	2.6	< 2.6	2.6	< 2.5	2.5	< 2.6	2.6	< 2.6	2.6	< 2.5	2.5
	4,4' -DDE	3.3	8,900	< 2.6	2.6	< 2.5	2.5	< 2.6	2.6	< 2.5	2.5	< 7.0	7	< 2.6	2.6	**10**	2.5	< 2.6	2.6	**5.1**	2.6	< 2.5	2.5
	4,4' -DDT	3.3	7,900	< 2.6	2.6	< 2.5	2.5	< 2.6	2.6	< 2.5	2.5	< 4.0	4	< 2.6	2.6	**18**	2.5	< 2.6	2.6	< 2.6	2.6	< 2.5	2.5
	a-BHC	20	480	< 3.6	3.6	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5	< 3.5	3.5	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5
	a-Chlordane	94	4,200	< 3.6	3.6	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5	< 3.5	3.5	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5
	Aldrin	5	97	< 2.5	2.5	< 1.7	1.7	< 1.8	1.8	< 1.8	1.8	< 4.0	4	< 1.8	1.8	< 1.8	1.8	< 1.8	1.8	< 1.8	1.8	< 1.7	1.7
	b-BHC	36	360	< 3.6	3.6	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5	< 3.5	3.5	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5
	d-BHC	40	100,000	< 3.6	3.6	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5	< 3.5	3.5	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5
	Dieldrin	5	200	< 1.8	1.8	< 1.7	1.7	< 1.8	1.8	< 1.8	1.8	< 6.0	6	< 1.8	1.8	< 1.8	1.8	< 1.8	1.8	< 1.8	1.8	< 1.7	1.7
	Endosulfan I	2,400	24,000	< 3.6	3.6	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5	< 3.5	3.5	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5
	Endosulfan II	2,400	24,000	< 3.6	3.6	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5	< 3.5	3.5	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5
	Endosulfan sulfate	2,400	24,000	< 25	25	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5	< 50	50	< 3.5	3.5	< 3.5	3.5	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5
	Endrin	14	11,000	< 3.6	3.6	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5	< 3.5	3.5	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5
	Endrin aldehyde			< 3.6	3.6	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5	< 3.5	3.5	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5
	Endrin ketone			< 1.8	1.8	< 1.7	1.7	< 1.8	1.8	< 1.8	1.8	< 1.8	1.8	< 1.8	1.8	< 1.8	1.8	< 1.8	1.8	< 1.8	1.8	< 1.7	1.7
	g-BHC			< 3.6	3.6	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5	< 5.0	5	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5
	g-Chlordane			< 3.6	3.6	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5	< 3.5	3.5	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5
	Heptachlor	42	2,100	< 3.6	3.6	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5	< 3.5	3.5	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5
	Heptachlor epoxide			< 1.8	1.8	< 1.7	1.7	< 1.8	1.8	< 1.8	1.8	< 5.0	5	< 1.8	1.8	< 1.8	1.8	< 1.8	1.8	< 1.8	1.8	< 1.7	1.7
	Methoxychlor			< 7.2	7.2	< 7.0	7	< 7.2	7.2	< 7.1	7.1	< 7.1	7.1	< 7.1	7.1	< 7.1	7.1	< 7.1	7.1	< 7.1	7.1	< 6.9	6.9
	Toxaphene			< 180	180	< 170	170	< 180	180	< 180	180	< 180	180	< 180	180	< 180	180	< 180	180	< 180	180	< 170	170
PCBs	PCB-1016	100	1,000	< 36	36	< 35	35	< 36	36	< 35	35	< 36	36	< 35	35	< 35	35	< 35	35	< 36	36	< 35	35
	PCB-1221	100	1,000	< 36	36	< 35	35	< 36	36	< 35	35	< 36	36	< 35	35	< 35	35	< 35	35	< 36	36	< 35	35
	PCB-1232	100	1,000	< 36	36	< 35	35	< 36	36	< 35	35	< 36	36	< 35	35	< 35	35	< 35	35	< 36	36	< 35	35
	PCB-1242	100	1,000	< 36	36	< 35	35	< 36	36	< 35	35	< 36	36	< 35	35	< 35	35	< 35	35	< 36	36	< 35	35
	PCB-1248	100	1,000	< 36	36	< 35	35	< 36	36	< 35	35	< 36	36	< 35	35	< 35	35	< 35	35	< 36	36	< 35	35
	PCB-1254	100	1,000	< 36	36	< 35	35	< 36	36	< 35	35	< 36	36	< 35	35	< 35	35	< 35	35	< 36	36	< 35	35
	PCB-1260	100	1,000	< 36	36	< 35	35	< 36	36	< 35	35	< 36	36	< 35	35	< 35	35	< 35	35	< 36	36	< 35	35
	PCB-1262	100	1,000	< 36	36	< 35	35	< 36	36	< 35	35	< 36	36	< 35	35	< 35	35	< 35	35	< 36	36	< 35	35
	PCB-1268	100	1,000	< 36	36	< 35	35	< 36	36	< 35	35	< 36	36	< 35	35	< 35	35	< 35	35	< 36	36	< 35	35

Notes:

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL- Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value

Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value

TABLE 5
1036 Greene Avenue,
Brooklyn, New York
Soil Analytical Results
Metals

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	B6				B7				B8				B9				B10			
			(0-2') µg/Kg		(12-14') µg/Kg		(0-2') µg/Kg		(12-14') µg/Kg		(0-2') µg/Kg		(12-14') µg/Kg		(0-2') µg/Kg		(12-14') µg/Kg		(0-2') µg/Kg		(12-14') µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Aluminum			10,000	34	6,360	35	7,180	38	12,500	35	8,750	36	11,900	38	7,360	34	8,460	34	10,600	33	7,440	35
Antimony			< 1.7	1.7	< 1.8	1.8	< 1.9	1.9	< 1.8	1.8	< 1.8	1.8	< 1.9	1.9	< 1.7	1.7	< 1.7	1.7	< 1.6	1.6	< 1.8	1.8
Arsenic	13	16	2.7	0.7	< 0.7	0.7	7.2	0.8	< 0.7	0.7	3.6	0.7	1.4	0.8	1.6	0.7	< 0.7	0.7	2.7	0.7	0.9	0.7
Barium	350	350	71.5	0.7	36.5	0.7	130	0.8	49.3	0.7	79	0.7	46.7	0.8	53.5	0.7	41.5	0.7	85.6	0.7	42.8	0.7
Beryllium	7.2	14	0.42	0.27	0.47	0.28	0.38	0.31	0.31	0.28	0.42	0.29	0.56	0.31	0.35	0.27	0.52	0.27	0.46	0.26	0.36	0.28
Cadmium	2.5	2.5	0.29	0.34	0.2	0.35	0.27	0.38	< 0.35	0.35	0.33	0.36	< 0.38	0.38	< 0.34	0.34	0.18	0.34	< 0.33	0.33	< 0.35	0.35
Calcium			35,000	34	999	3.5	26,500	38	5,960	3.5	46,800	36	4,670	3.8	26,300	34	1,380	3.4	35,000	33	15,600	35
Chromium	30	180	16.2	0.34	22.1	0.35	14.3	0.38	23.3	0.35	15.5	0.36	34.4	0.38	12.5	0.34	32.4	0.34	14.6	0.33	23.1	0.35
Cobalt			6.24	0.34	7.82	0.35	4.74	0.38	10.1	0.35	5.84	0.36	7.1	0.38	4.37	0.34	8.16	0.34	5.1	0.33	6.64	0.35
Copper	50	270	14.9	0.34	16.1	0.35	23.6	0.38	60	0.35	23.7	0.36	15.1	0.38	11.2	0.34	15.9	0.34	27.4	0.33	18.1	0.35
Iron			15,700	34	26,300	35	11,600	38	20,600	35	16,900	36	26,000	38	10,300	34	30,000	34	12,900	33	17,100	35
Lead	63	400	147	6.7	5.3	0.7	356	7.6	2.9	0.7	107	0.7	30.7	0.8	71	0.7	7.1	0.7	120	0.7	14.2	0.7
Magnesium			4,500	3.4	1,980	3.5	3,010	3.8	3,430	3.5	3,210	3.6	2,320	3.8	2,400	3.4	2,630	3.4	3,060	3.3	2,330	3.5
Manganese	1,600	2,000	309	3.4	584	3.5	279	3.8	382	3.5	250	3.6	442	3.8	196	3.4	663	3.4	352	3.3	299	3.5
Mercury	0.18	0.81	0.12	0.08	< 0.08	0.08	0.49	0.07	< 0.08	0.08	0.22	0.06	0.13	0.08	0.12	0.08	< 0.06	0.06	0.28	0.06	< 0.07	0.07
Nickel	30	140	11.5	0.34	12.2	0.35	12.3	0.38	15.9	0.35	16.3	0.36	14.1	0.38	8.78	0.34	13.6	0.34	12.1	0.33	14	0.35
Potassium			1,120	7	940	7	721	8	888	7	1,150	7	1,340	8	761	7	1,370	7	722	7	1,160	7
Selenium	3.9	36	< 1.3	1.3	< 1.4	1.4	< 1.5	1.5	< 1.4	1.4	< 1.4	1.4	< 1.5	1.5	< 1.3	1.3	< 1.4	1.4	< 1.3	1.3	< 1.4	1.4
Silver	2	36	< 0.34	0.34	< 0.35	0.35	< 0.38	0.38	< 0.35	0.35	< 0.36	0.36	< 0.38	0.38	< 0.34	0.34	< 0.34	0.34	< 0.33	0.33	< 0.35	0.35
Sodium			230	7	127	7	185	8	1,220	7	450	7	100	8	233	7	398	7	178	7	345	7
Thallium			< 1.3	1.3	< 1.4	1.4	< 1.5	1.5	160	1.4	< 1.4	1.4	< 1.5	1.5	< 1.3	1.3	< 1.4	1.4	< 1.3	1.3	< 1.4	1.4
Vanadium			21.8	0.3	29.9	0.4	18.1	0.4	53.1	0.4	25.5	0.4	31.8	0.4	17	0.3	34	0.3	20.5	0.3	25.3	0.4
Zinc	109	2,200	341	6.7	29.4	0.7	202	7.6	24.9	0.7	93	0.7	42.2	0.8	52.2	0.7	29	0.7	40.6	0.7	24.1	0.7

Notes:

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL- Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value

Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value

Table 6
1036 Greene Avenue,
Brooklyn, New York
Ground Water Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater	MW1		MW2		MW3	
		µg/L		µg/L		µg/L	
	µg/L	Results	RL	Results	RL	Results	RL
1,1,1,2-Tetrachlorothane	5	< 1.0	1	< 1.0	1	< 1.0	1
1,1,1-Trichloroethane	5	< 5.0	5	< 5.0	5	< 5.0	5
1,1,2,2-Tetrachloroethane	5	< 1.0	1	< 1.0	1	< 1.0	1
1,1,2-Trichloroethane	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloroethane	5	< 5.0	5	< 5.0	5	< 5.0	5
1,1-Dichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloropropene		< 1.0	1	< 1.0	1	< 1.0	1
1,2,3-Trichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1
1,2,3-Trichloropropane	0.04	< 1.0	1	< 1.0	1	< 1.0	1
1,2,4-Trichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1
1,2,4-Trimethylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dibromo-3-chloropropane	0.04	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dibromoethane		< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dichlorobenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dichloroethane	0.6	< 0.60	0.6	< 0.60	0.6	< 0.60	0.6
1,2-Dichloropropane	0.94	< 1.0	1	< 1.0	1	< 1.0	1
1,3,5-Trimethylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
1,3-Dichlorobenzene		< 5.0	5	< 5.0	5	< 5.0	5
1,3-Dichloropropane	5	< 1.0	1	< 1.0	1	< 1.0	1
1,4-Dichlorobenzene	5	< 5.0	5	< 5.0	5	< 5.0	5
2,2-Dichloropropane	5	< 1.0	1	< 1.0	1	< 1.0	1
2-Chlorotoluene	5	< 1.0	1	< 1.0	1	< 1.0	1
2-Hexanone (Methyl Butyl Ketone)		< 1.0	1	< 1.0	1	< 1.0	1
2-Isopropyltoluene	5	< 1.0	1	< 1.0	1	< 1.0	1
4-Chlorotoluene	5	< 1.0	1	< 1.0	1	< 1.0	1
4-Methyl-2-Pentanone		< 1.0	1	< 1.0	1	< 1.0	1
Acetone		**1**	5	**2.3**	5	**1.5**	5
Acrolein		< 5.0	5	< 5.0	5	< 5.0	5
Acrylonitrile	5	< 5.0	5	< 5.0	5	< 5.0	5
Benzene	1	< 0.70	0.7	< 0.70	0.7	< 0.70	0.7
Bromobenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
Bromochloromethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Bromodichloromethane		< 1.0	1	< 1.0	1	< 1.0	1
Bromoform		< 5.0	5	< 5.0	5	< 5.0	5
Bromomethane	5	< 5.0	5	< 5.0	5	< 5.0	5
Carbon Disulfide	60	< 1.0	1	< 1.0	1	< 1.0	1
Carbon tetrachloride	5	< 1.0	1	< 1.0	1	< 1.0	1
Chlorobenzene	5	< 5.0	5	< 5.0	5	< 5.0	5
Chloroethane	5	< 5.0	5	< 5.0	5	< 5.0	5
Chloroform	7	**2.3**	5	**2.3**	5	**0.6**	5
Chloromethane	60	< 5.0	5	< 5.0	5	< 5.0	5
cis-1,2-Dichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1
cis-1,3-Dichloropropene		< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
Dibromochloromethane		< 1.0	1	< 1.0	1	< 1.0	1
Dibromomethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Dichlorodifluoromethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Ethylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
Hexachlorobutadiene	0.5	< 1.0	1	< 1.0	1	< 1.0	1
Isopropylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
m&p-Xylenes	5	< 1.0	1	< 1.0	1	< 1.0	1
Methyl Ethyl Ketone (2-Butanone)		< 1.0	1	< 1.0	1	< 1.0	1
Methyl t-butyl ether (MTBE)	10	< 1.0	1	< 1.0	1	< 1.0	1
Methylene chloride	5	< 3.0	3	< 3.0	3	< 3.0	3
Naphthalene	10	< 1.0	1	< 1.0	1	< 1.0	1
n-Butylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
n-Propylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
o-Xylene	5	< 1.0	1	< 1.0	1	< 1.0	1
p-Isopropyltoluene		< 1.0	1	< 1.0	1	< 1.0	1
sec-Butylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
Styrene	5	< 1.0	1	< 1.0	1	< 1.0	1
tert-Butylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
Tetrachloroethene	5	**0.86**	1	**4.6**	1	**1.9**	1
Tetrahydrofuran (THF)		< 5.0	5	< 5.0	5	< 5.0	5
Toluene	5	< 1.0	1	< 1.0	1	< 1.0	1
trans-1,2-Dichloroethene	5	< 5.0	5	< 5.0	5	< 5.0	5
trans-1,3-Dichloropropene	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
trans-1,4-dichloro-2-butene	5	< 1.0	1	< 1.0	1	< 1.0	1
Trichloroethene	5	**0.42**	1	**5.2**	1	**3.6**	1
Trichlorofluoromethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Trichlorotrifluoroethane		< 1.0	1	< 1.0	1	< 1.0	1
Vinyl Chloride	2	< 1.0	1	< 1.0	1	< 1.0	1

Notes:
RL- Reporting Limit
Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 7
1036 Greene Avenue,
Brooklyn, New York
Groundwater Analytical Results
Semi-Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards µg/L	MW1 µg/L		MW2 µg/L		MW3 µg/L	
		Results	RL	Results	RL	Results	RL
1,2,4-Trichlorobenzene		< 5.8	5.8	< 5.4	5.4	< 5.3	5.3
1,2-Dichlorobenzene		< 1.2	1.2	< 1.1	1.1	< 1.1	1.1
1,2-Diphenylhydrazine		< 5.8	5.8	< 5.4	5.4	< 5.3	5.3
1,3-Dichlorobenzene	3	< 1.2	1.2	< 1.1	1.1	< 1.1	1.1
1,4-Dichlorobenzene		< 1.2	1.2	< 1.1	1.1	< 1.1	1.1
2,4,5-Trichlorophenol	1	< 1.2	1.2	< 1.1	1.1	< 1.1	1.1
2,4,6-Trichlorophenol	1	< 1.2	1.2	< 1.1	1.1	< 1.1	1.1
2,4-Dichlorophenol		< 1.2	1.2	< 1.1	1.1	< 1.1	1.1
2,4-Dimethylphenol		< 1.2	1.2	< 1.1	1.1	< 1.1	1.1
2,4-Dinitrophenol	5	< 1.2	1.2	< 1.1	1.1	< 1.1	1.1
2,4-Dinitrotoluene	5	< 5.8	5.8	< 5.4	5.4	< 5.3	5.3
2,6-Dinitrotoluene	5	< 5.8	5.8	< 5.4	5.4	< 5.3	5.3
2-Chloronaphthalene	10	< 5.8	5.8	< 5.4	5.4	< 5.3	5.3
2-Chlorophenol	1	< 1.2	1.2	< 1.1	1.1	< 1.1	1.1
2-Methylnaphthalene		< 5.8	5.8	< 5.4	5.4	< 5.3	5.3
2-Methylphenol (o-cresol)	1	< 1.2	1.2	< 1.1	1.1	< 1.1	1.1
2-Nitroaniline	5	< 5.8	5.8	< 5.4	5.4	< 5.3	5.3
2-Nitrophenol	1	< 1.2	1.2	< 1.1	1.1	< 1.1	1.1
3&4-Methylphenol (m&p-cresol)		< 1.2	1.2	< 1.1	1.1	< 1.1	1.1
3,3'-Dichlorobenzidine	5	< 5.8	5.8	< 5.4	5.4	< 5.3	5.3
3-Nitroaniline	5	< 5.8	5.8	< 5.4	5.4	< 5.3	5.3
4,6-Dinitro-2-methylphenol	1	< 1.2	1.2	< 1.1	1.1	< 1.1	1.1
4-Bromophenyl phenyl ether		< 5.8	5.8	< 5.4	5.4	< 5.3	5.3
4-Chloro-3-methylphenol	1	< 1.2	1.2	< 1.1	1.1	< 1.1	1.1
4-Chloroaniline	5	< 4.1	4.1	< 3.8	3.8	< 3.7	3.7
4-Chlorophenyl phenyl ether		< 5.8	5.8	< 5.4	5.4	< 5.3	5.3
4-Nitroaniline	5	< 5.8	5.8	< 5.4	5.4	< 5.3	5.3
4-Nitrophenol		< 1.2	1.2	< 1.1	1.1	< 1.1	1.1
Acetophenone		< 5.8	5.8	< 5.4	5.4	< 5.3	5.3
Aniline	5	< 5.8	5.8	< 5.4	5.4	< 5.3	5.3
Anthracene	50	< 4.1	4.1	< 3.8	3.8	< 3.7	3.7
Benzidine	5	< 5.8	5.8	< 5.4	5.4	< 5.3	5.3
Benzoic acid		< 5.2	5.2	< 4.8	4.8	< 4.7	4.7
Benzyl butyl phthalate	50	< 29	29	< 27	27	< 26	26
Bis(2-chloroethoxy)methane	5	< 5.8	5.8	< 5.4	5.4	< 5.3	5.3
Bis(2-chloroethyl)ether	1	< 5.8	5.8	< 5.4	5.4	< 5.3	5.3
Bis(2-chloroisopropyl)ether		< 1.2	1.2	< 1.1	1.1	< 1.1	1.1
Carbazole		< 5.8	5.8	< 5.4	5.4	< 5.3	5.3
Dibenzofuran		< 29	29	< 27	27	< 26	26
Diethyl phthalate	50	< 5.8	5.8	< 5.4	5.4	< 5.3	5.3
Dimethylphthalate	50	< 5.8	5.8	< 5.4	5.4	< 5.3	5.3
Di-n-butylphthalate	50	< 5.8	5.8	< 5.4	5.4	< 5.3	5.3
Di-n-octylphthalate	50	< 5.8	5.8	< 5.4	5.4	< 5.3	5.3
Fluoranthene	50	< 5.8	5.8	< 5.4	5.4	< 5.3	5.3
Fluorene	50	< 5.8	5.8	< 5.4	5.4	< 5.3	5.3
Hexachlorobutadiene	0.5	< 5.8	5.8	< 5.4	5.4	< 5.3	5.3
Hexachlorocyclopentadiene	5	< 5.8	5.8	< 5.4	5.4	< 5.3	5.3
Isophorone	50	< 5.8	5.8	< 5.4	5.4	< 5.3	5.3
Naphthalene	10	< 5.8	5.8	< 5.4	5.4	< 5.3	5.3
Nitrobenzene	0.4	< 1.2	1.2	< 1.1	1.1	< 1.1	1.1
N-Nitrosodimethylamine		< 5.8	5.8	< 5.4	5.4	< 5.3	5.3
N-Nitrosodi-n-propylamine		< 5.8	5.8	< 5.4	5.4	< 5.3	5.3
N-Nitrosodiphenylamine	50	< 1.2	1.2	< 1.1	1.1	< 1.1	1.1
Phenol	50	< 5.8	5.8	< 5.4	5.4	< 5.3	5.3
Pyrene	50	< 12	12	< 11	11	< 11	11
1,2,4,5-Tetrachlorobenzene		< 0.58	0.58	< 0.54	0.54	< 0.53	0.53
Acenaphthylene		< 0.12	0.12	< 0.11	0.11	< 0.11	0.11
Benz(a)anthracene	0.002	**0.02**	0.02	< 0.02	0.02	< 0.02	0.02
Benzo(a)pyrene		< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Benzo(b)fluoranthene	0.002	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Benzo(ghi)perylene		< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Benzo(k)fluoranthene	0.002	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Bis(2-ethylhexyl)phthalate	5	< 1.2	1.2	< 1.1	1.1	< 1.1	1.1
Chrysene	0.002	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Dibenz(a,h)anthracene		< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Hexachlorobenzene	0.04	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Hexachlorobutadiene		< 0.47	0.47	< 0.43	0.43	< 0.42	0.42
Hexachloroethane	5	< 0.58	0.58	< 0.54	0.54	< 0.53	0.53
Indeno(1,2,3-cd)pyrene	0.002	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Nitrobenzene		< 0.12	0.12	< 0.11	0.11	< 0.11	0.11
Pentachloronitrobenzene		< 0.12	0.12	< 0.11	0.11	< 0.11	0.11
Pentachlorophenol	1	< 0.93	0.93	< 0.86	0.86	< 0.84	0.84
Phenanthrene	50	< 0.12	0.12	< 0.11	0.11	< 0.11	0.11

Notes:
RL- Reporting Limit
Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 8
1036 Greene Avenue,
Brooklyn, New York
Groundwater Analytical Results
Pesticides/PCBs

Compound	NYSDEC Groundwater Quality Standards µg/L	MW1 µg/L		MW2 µg/L		MW3 µg/L	
		Results	RL	Results	RL	Results	RL
PCB-1016	**0.09**	< 0.060	0.06	< 0.058	0.058	< 0.052	0.052
PCB-1221	**0.09**	< 0.060	0.06	< 0.058	0.058	< 0.052	0.052
PCB-1232	**0.09**	< 0.060	0.06	< 0.058	0.058	< 0.052	0.052
PCB-1242	**0.09**	< 0.060	0.06	< 0.058	0.058	< 0.052	0.052
PCB-1248	**0.09**	< 0.060	0.06	< 0.058	0.058	< 0.052	0.052
PCB-1254	**0.09**	< 0.060	0.06	< 0.058	0.058	< 0.052	0.052
PCB-1260	**0.09**	< 0.060	0.06	< 0.058	0.058	< 0.052	0.052
PCB-1262	**0.09**	< 0.060	0.06	< 0.058	0.058	< 0.052	0.052
PCB-1268	**0.09**	< 0.060	0.06	< 0.058	0.058	< 0.052	0.052
4,4-DDD	**0.3**	< 0.012	0.012	< 0.012	0.012	< 0.010	0.01
4,4-DDE	**0.2**	< 0.012	0.012	< 0.012	0.012	< 0.010	0.01
4,4-DDT	**0.11**	< 0.012	0.012	< 0.012	0.012	< 0.010	0.01
a-BHC	**0.94**	< 0.006	0.006	< 0.006	0.006	< 0.005	0.005
a-Chlordane		< 0.012	0.012	< 0.012	0.012	< 0.010	0.01
Alachlor		< 0.090	0.09	< 0.086	0.086	< 0.078	0.078
Aldrin		< 0.002	0.002	< 0.002	0.002	< 0.002	0.002
b-BHC	**0.04**	< 0.006	0.006	< 0.006	0.006	< 0.005	0.005
Chlordane	**0.05**	< 0.12	0.12	< 0.11	0.11	< 0.10	0.1
d-BHC	**0.04**	< 0.006	0.006	< 0.006	0.006	< 0.005	0.005
Dieldrin	**0.004**	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002
Endosulfan I		< 0.012	0.012	< 0.012	0.012	< 0.010	0.01
Endosulfan II		< 0.012	0.012	< 0.012	0.012	< 0.010	0.01
Endosulfan Sulfate		< 0.012	0.012	< 0.012	0.012	< 0.010	0.01
Endrin		< 0.012	0.012	**0.014**	0.012	< 0.010	0.01
Endrin aldehyde	**5**	< 0.012	0.012	< 0.012	0.012	< 0.010	0.01
Endrin ketone		< 0.012	0.012	< 0.012	0.012	< 0.010	0.01
gamma-BHC	**0.05**	< 0.006	0.006	< 0.006	0.006	< 0.005	0.005
g-Chlordane		< 0.012	0.012	< 0.012	0.012	< 0.010	0.01
Heptachlor	**0.04**	< 0.012	0.012	< 0.012	0.012	< 0.010	0.01
Heptachlor epoxide	**0.03**	< 0.012	0.012	< 0.012	0.012	< 0.010	0.01
Methoxychlor	**35**	< 0.12	0.12	< 0.11	0.11	< 0.10	0.1
Toxaphene		< 0.30	0.3	< 0.29	0.29	< 0.26	0.26

Notes:
RL- Reporting limit
ND - Non-detect
ND* - Due to matrix interference from non target compounds in the sample an elevated RL was reported.
Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

Table 9
1036 Greene Avenue,
Brooklyn, New York
Groundwater Analytical Results
TAL Filtered Metals

Compound	NYSDEC Groundwater Quality Standards mg/L	MW1 mg/L		MW2 mg/L		MW3 mg/L	
		Results	RL	Results	RL	Results	RL
Aluminum	**NS**	**1.3**	0.01	**0.16**	0.01	**0.39**	0.01
Antimony	**0.003**	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003
Arsenic	**0.025**	**0.004**	0.003	**0.005**	0.003	**0.003**	0.003
Barium	**1**	**0.062**	0.011	**0.09**	0.011	**0.032**	0.011
Beryllium	**0.003**	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001
Cadmium	**0.005**	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004
Calcium	**NS**	**42.8**	0.01	**71.4**	0.01	**29.8**	0.01
Chromium	**0.05**	**0.007**	0.001	< 0.001	0.001	**0.002**	0.001
Cobalt	**NS**	< 0.005	0.005	**0.009**	0.005	**0.006**	0.005
Copper	**0.2**	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
Iron	**0.5**	**2.39**	0.01	**0.27**	0.01	**0.61**	0.01
Lead	**0.025**	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002
Magnesium	**35**	**11.5**	0.01	**37.2**	0.01	**14.8**	0.01
Manganese	**0.3**	**1.25**	0.005	**4.52**	0.053	**2.97**	0.053
Mercury	**0.0007**	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002
Nickel	**0.1**	**0.013**	0.004	**0.016**	0.004	**0.011**	0.004
Potassium	**NS**	**2.8**	0.1	**4.7**	0.1	**2.7**	0.1
Selenium	**0.01**	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004
Silver	**0.05**	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
Sodium	**2**	**77.7**	1.1	**50.6**	1.1	**12.6**	0.11
Thallium	**0.0005**	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001
Vanadium	**NS**	< 0.011	0.011	< 0.011	0.011	< 0.011	0.011
Zinc	**2**	< 0.011	0.011	< 0.011	0.011	< 0.011	0.011

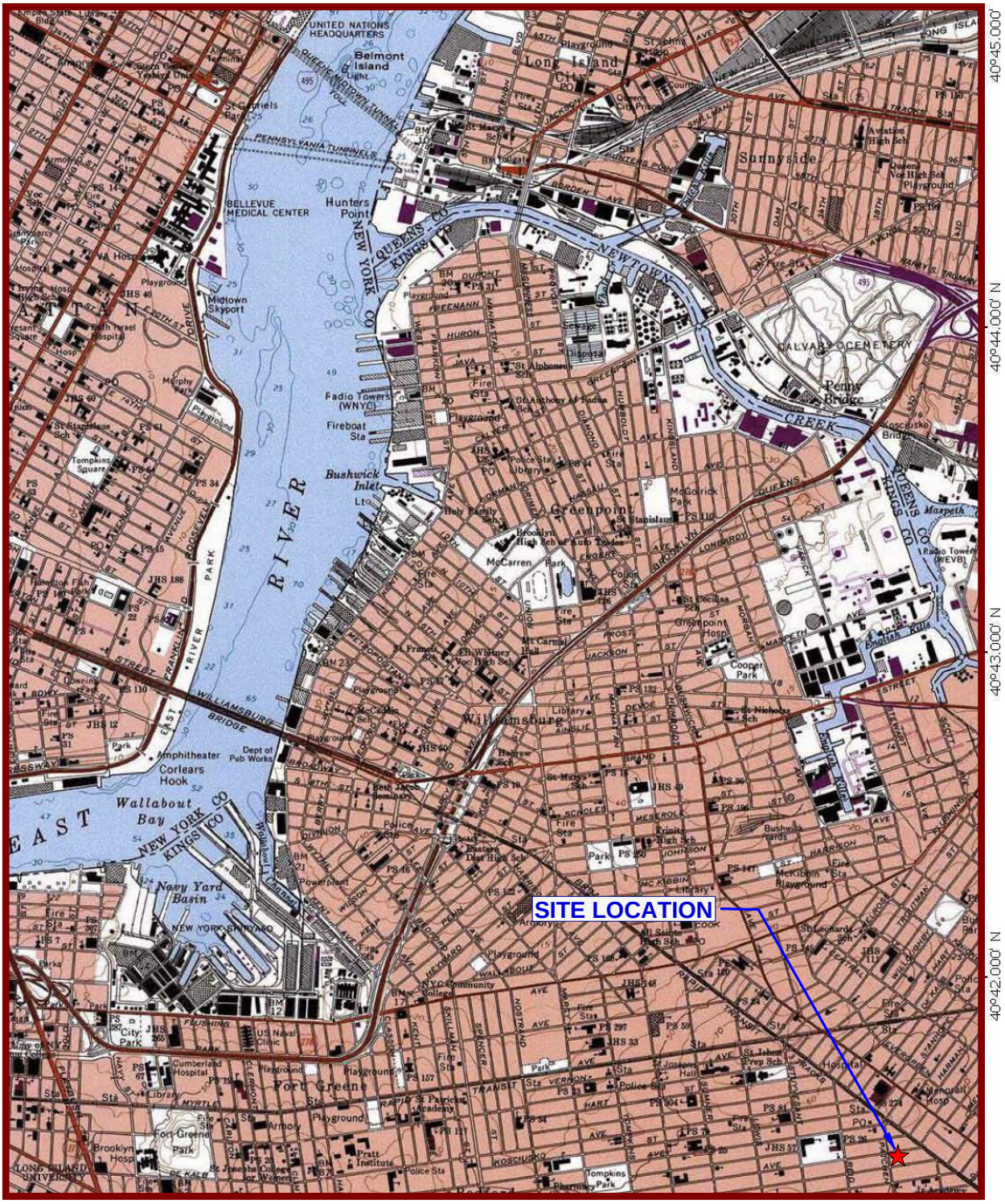
Notes:
RL- Reporting limit
NS - No Standard
Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

Table 10
1036 Greene Avenue,
Brooklyn, New York
Soil Gas Results

COMPOUNDS	NYSDOH Maximum Sub-Slab Value (µg/m³) [a]	NYSDOH Soil Outdoor Background Levels (µg/m³) [b]	SG-1 (µg/m3)		SG-2 (µg/m3)		SG-3 (µg/m3)		SG-4 (µg/m3)		SG-5 (µg/m3)	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane			< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,1,1-Trichloroethane	100	<2.0 - 2.8	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,1,2,2-Tetrachloroethane		<1.5	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,1,2-Trichloroethane		<1.0	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,1-Dichloroethane		<1.0	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,1-Dichloroethene		<1.0	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,2,4-Trichlorobenzene		NA	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,2,4-Trimethylbenzene		<1.0	**37.8**	1	**5.45**	1	**8.11**	1	**7.66**	1	**12.3**	1
1,2-Dibromoethane		<1.5	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,2-Dichlorobenzene		<2.0	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,2-Dichloroethane		<1.0	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,2-Dichloropropane			< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,2-Dichlorotetrafluoroethane			< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,3,5-Trimethylbenzene		<1.0	**20.7**	1	**1.57**	1	**2.36**	1	**2.41**	1	**4.18**	1
1,3-Butadiene		NA	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,3-Dichlorobenzene		<2.0	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,4-Dichlorobenzene		NA	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,4-Dioxane			< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
2-Hexanone			< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
4-Ethyltoluene		NA	**13.1**	1	**1.08**	1	**1.28**	1	**1.62**	1	**3.24**	1
4-Isopropyltoluene			**1.59**	1	< 1.00	1	< 1.00	1	**1.04**	1	**1.48**	1
4-Methyl-2-pentanone			**5.44**	1	**7.66**	1	**8.68**	1	**4.87**	1	**4.22**	1
Acetone		NA	< 1.00	1	**22.1**	1	**13.2**	1	**9.76**	1	**17.4**	1
Acrylonitrile			< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Benzene		<1.6 - 4.7	**56.5**	1	**2.27**	1	**1.98**	1	< 1.00	1	**3.22**	1
Benzyl Chloride		NA	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Bromodichloromethane		<5.0	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Bromoform		<1.0	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Bromomethane		<1.0	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Carbon Disulfide		NA	**33**	1	**6.88**	1	**10.2**	1	**6.35**	1	**17.2**	1
Carbon Tetrachloride	5	<3.1	< 0.25	0.25	**0.692**	0.25	**0.692**	0.25	**0.88**	0.25	**0.943**	0.25
Chlorobenzene		<2.0	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Chloroethane		NA	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Chloroform		<2.4	**7.9**	1	**3.17**	1	**1.46**	1	**3.02**	1	**5.27**	1
Chloromethane		<1.0 - 1.4	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
cis-1,2-Dichloroethene		<1.0	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
cis-1,3-Dichloropropene		NA	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Cyclohexane		NA	**91.5**	1	**1.51**	1	**1.31**	1	< 1.00	1	**3.89**	1
Dibromochloromethane		<5.0	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Dichlorodifluromethane		NA	**2.67**	1	**2.72**	1	**2.87**	1	**2.72**	1	**2.92**	1
Ethanol			**77.8**	1	**141**	1	**124**	1	**83.6**	1	**82.7**	1
Ethyl Acetate		NA	< 1.00	1	**6.63**	1	**4.1**	1	**2.38**	1	**1.8**	1
Ethylbenzene		<4.3	**27.9**	1	**5.29**	1	**4.21**	1	**5.86**	1	**22.4**	1
Heptane		NA	**119**	1	**5.12**	1	**2.66**	1	**1.96**	1	**19.9**	1
Hexachlorobutadiene		NA	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Hexane		<1.5	**96.5**	1	**6.83**	1	**1.9**	1	**1.27**	1	**3.59**	1
Isopropylalcohol		NA	< 1.00	1	**4.37**	1	**1.72**	1	**1.38**	1	**1.67**	1
Isopropylbenzene			**2.06**	1	< 1.00	1	< 1.00	1	**1.13**	1	**5.94**	1
Xylene (m&p)		<4.3	**209**	1	**14**	1	**15**	1	**20.8**	1	**58.1**	1
Methyl Ethyl Ketone			**4.57**	1	**3.51**	1	**2.12**	1	**1.68**	1	**5.51**	1
MTBE		NA	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Methylene Chloride		<3.4	**2.57**	1	**11.7**	1	< 1.00	1	< 1.00	1	< 1.00	1
n-Butylbenzene			**1.21**	1	< 1.00	1	< 1.00	1	< 1.00	1	**1.48**	1
Xylene (o)		<4.3	**101**	1	**4.56**	1	**6.51**	1	**8.55**	1	**23**	1
Propylene		NA	**44**	1	**5.8**	1	**2.13**	1	**2.08**	1	**7.95**	1
sec-Butylbenzene			< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	**2.08**	1
Styrene		<1.0	**1.87**	1	**1.32**	1	**2.13**	1	**1.62**	1	**1.58**	1
Tetrachloroethene	100		**28.4**	0.25	**5.02**	0.25	**97.6**	0.25	**81.3**	0.25	**60.1**	0.25
Tetrahydrofuran		NA	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Toluene		1.0 - 6.1	**201**	1	**8.47**	1	**7.76**	1	**5.69**	1	**34.5**	1
trans-1,2-Dichloroethene		NA	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
trans-1,3-Dichloropropene		NA	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Trichloroethene	5	<1.7	**8.7**	0.25	**2.36**	0.25	**76.3**	0.25	**37**	0.25	**27.1**	0.25
Trichlorofluoromethane		NA	**1.46**	1	**1.35**	1	**1.46**	1	**1.52**	1	**1.68**	1
Trichlorotrifluoroethane			< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Vinyl Chloride		<1.0	**4.01**	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25
BTEX			595.40		34.59		35.46		40.90		141.22	
Total VOCs			1,201.25		282.43		401.74		298.15		437.34	

Notes:
NA No guidance value or standard available
(a) Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York. October 2006. New York State Department of Health.
(b) NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, February 2005, Summary of Background Levels for Selected Compounds

FIGURES



USGS Brooklyn Quadrangle 1995, Contour Interval = 10 feet

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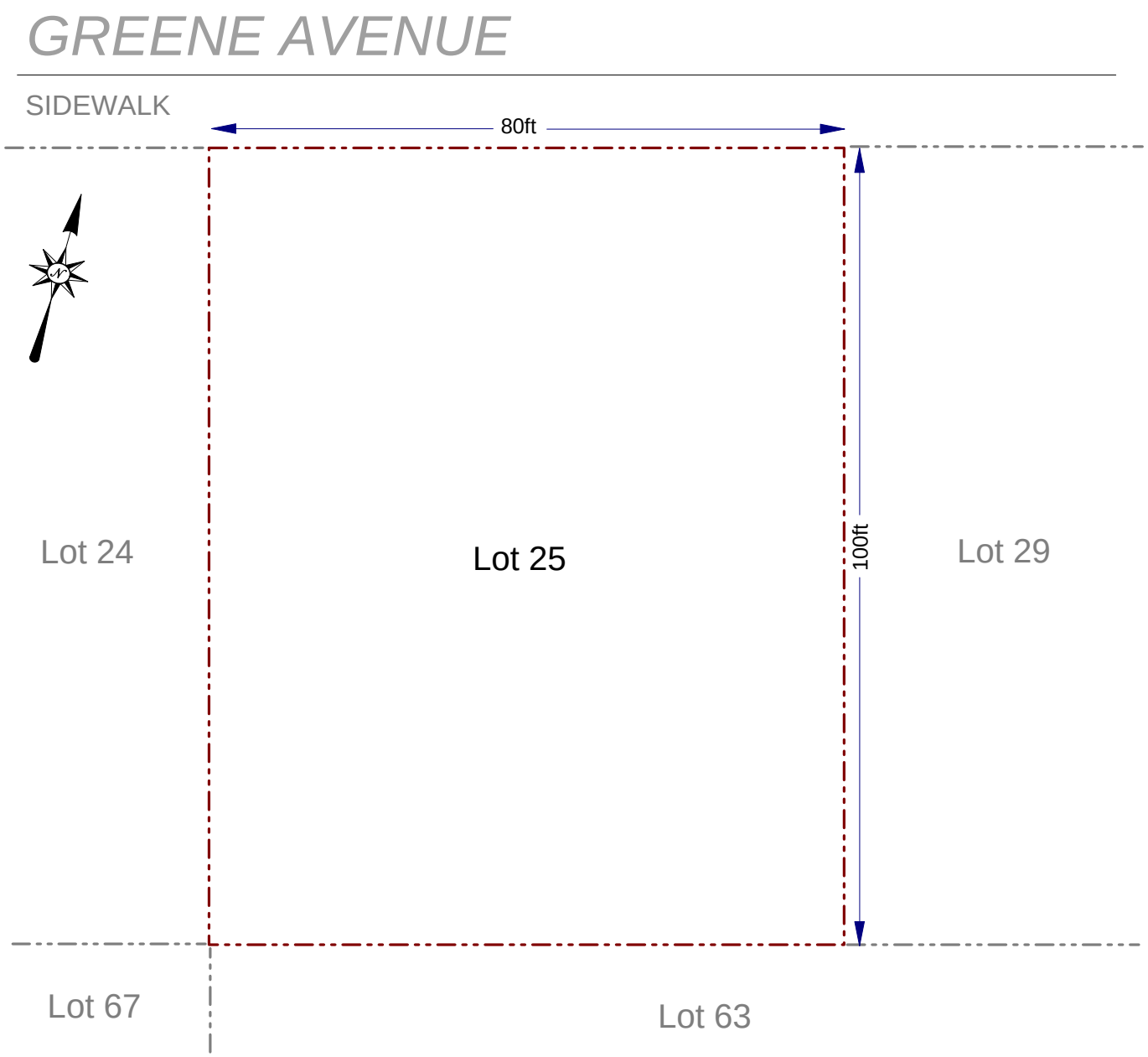
Fax 631. 924 .2870

1038 GREENE AVENUE
BROOKLYN, NY

FIGURE 1 SITE LOCATION MAP



KEY:

Property Boundary

SCALE:

0 10 20

Scale: 1 inch = 20 feet

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Environmental Business Consultants
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Figure No. **2**

Site Address: 1038 Greene Avenue, Brookyln, NY

Drawing Title: Site Boundary Map

Greene Avenue

GROUND FLOOR PLAN

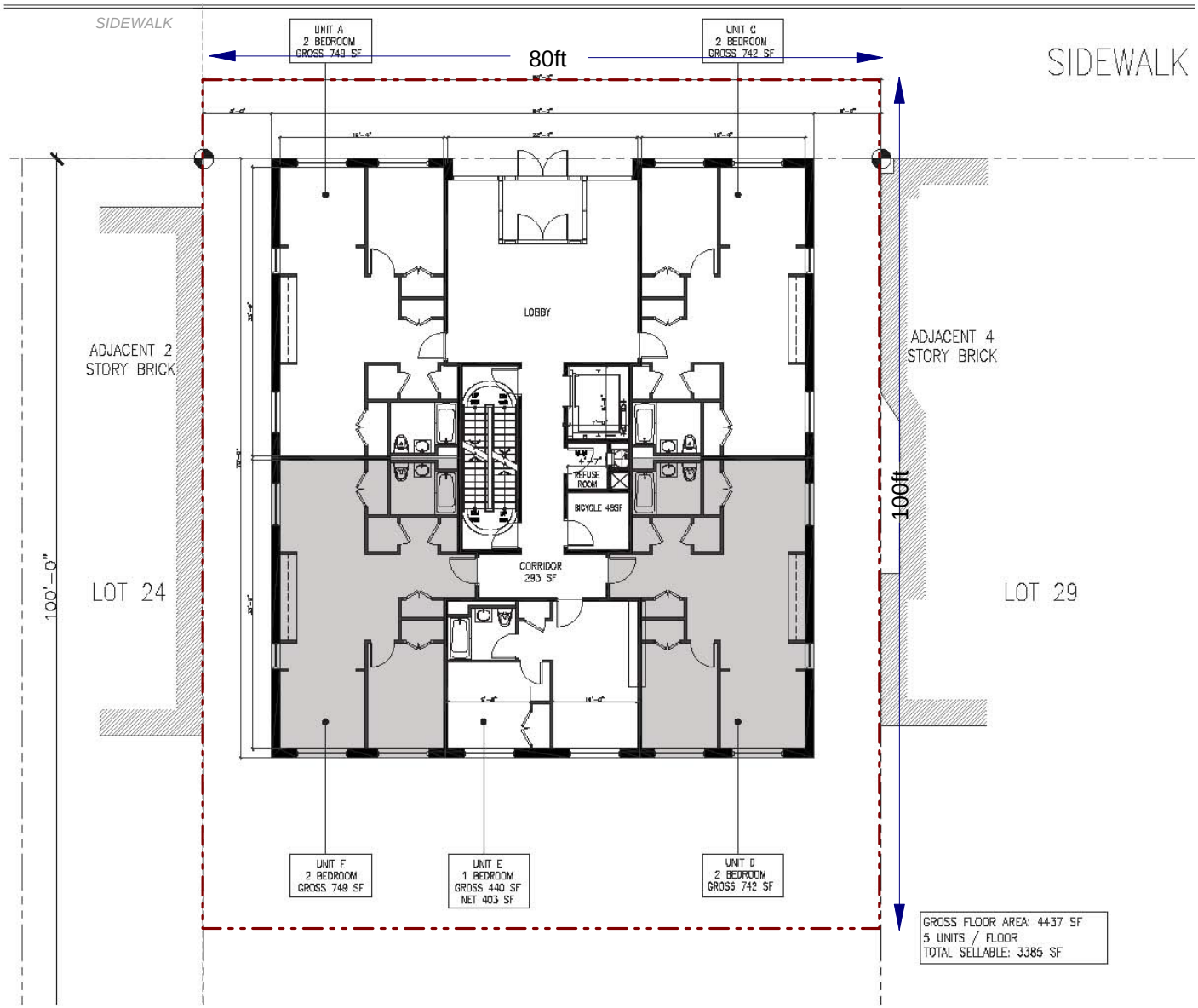

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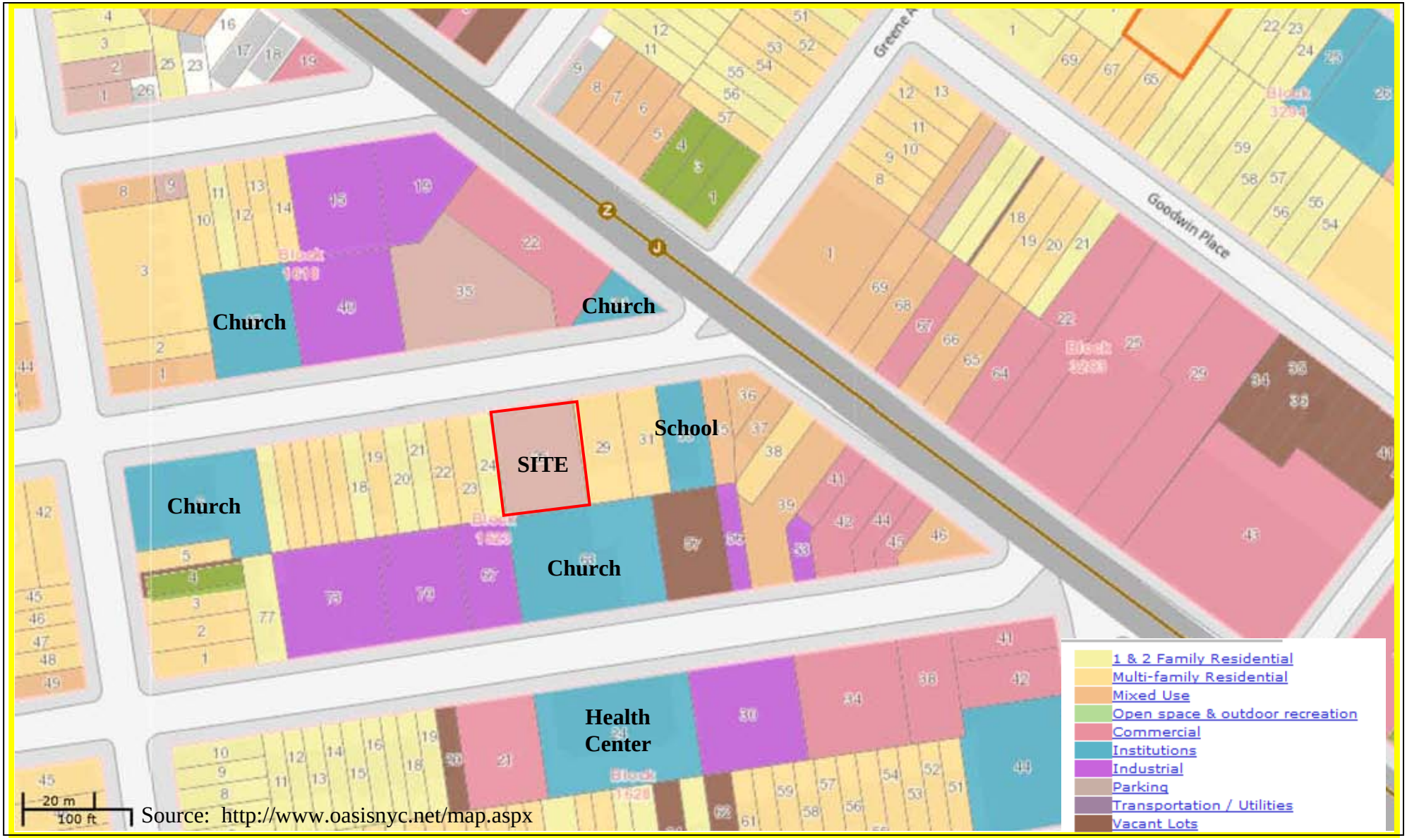
Figure No. 3

Site Address: 1038 Greene Avenue, Brooklyn, NY

Drawing Title: Redevelopment Plan



Source: http://www.oasisnyc.net/map.aspx

FIGURE 4
SURROUNDING LAND USE MAP

1038 GREENE AVENUE, BROOKLYN NY 11221

HAZARDOUS MATERIALS REMEDIAL INVESTIGATION REPORT

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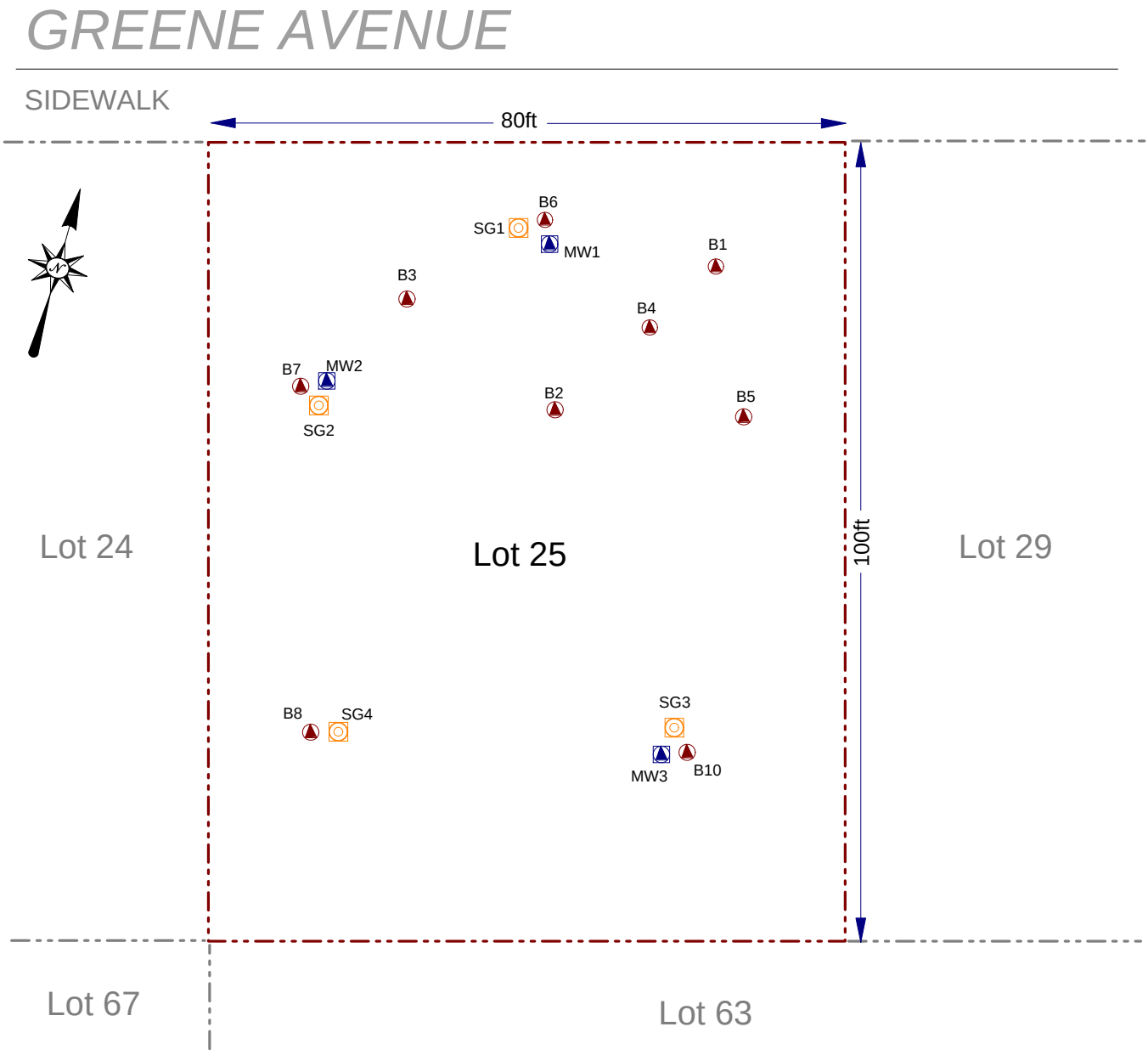

KEY:

- Property Boundary
- Groundwater Sampling Location
- Soil Boring Location
- Soil Gas Sampling Location

SCALE:

0 10 20

Scale: 1 inch = 20 feet

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Environmental Business Consultants
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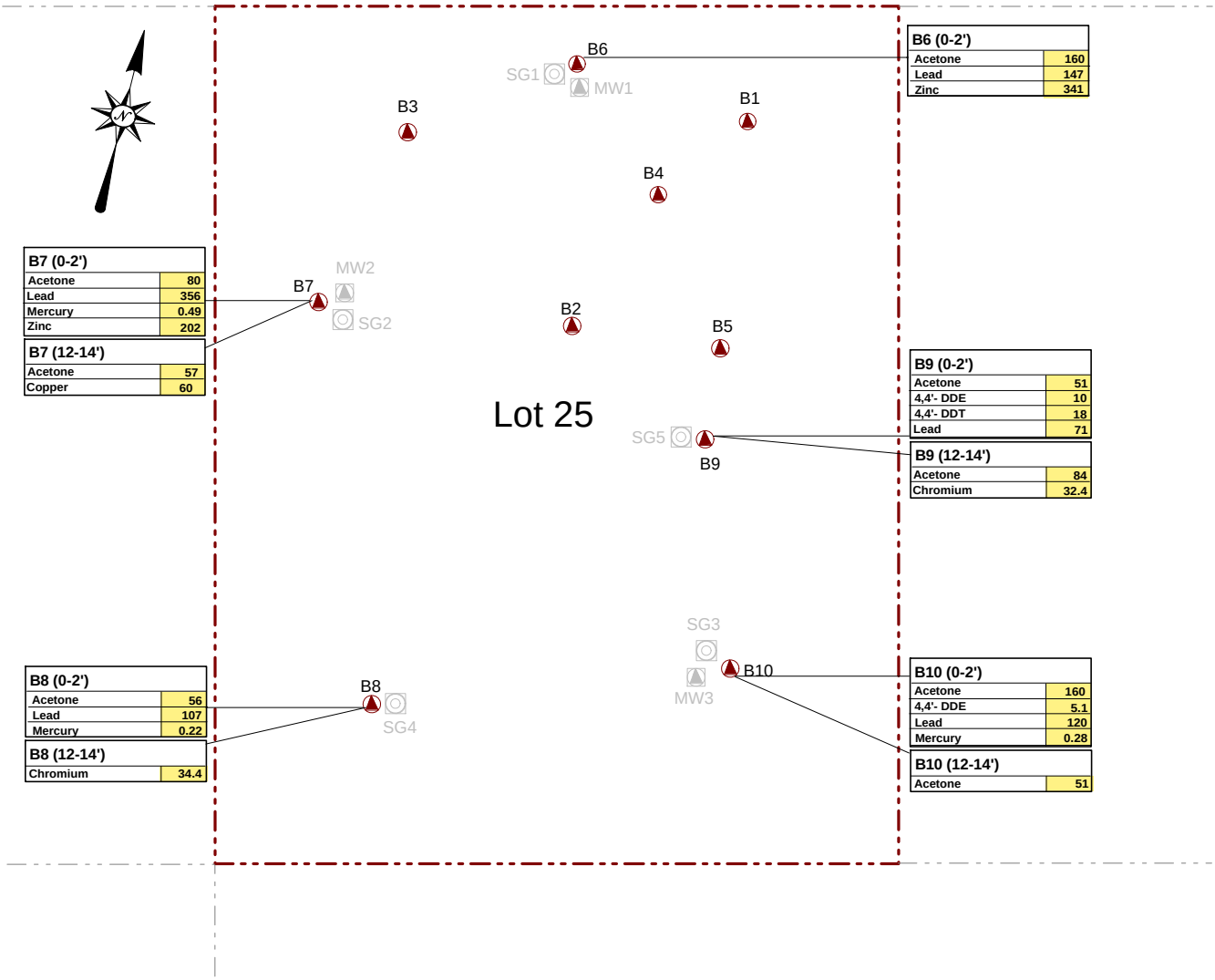
Figure No. **5**

Site Address: 1038 Greene Avenue, Brookyln, NY

Drawing Title: Site Sampling Locations

GREENE AVENUE

SIDEWALK



KEY:

- Property Boundary
- Groundwater Sampling Location
- Soil Boring Location
- Soil Gas Sampling Location

SCALE:

0 10 20

Scale: 1 inch = 20 feet

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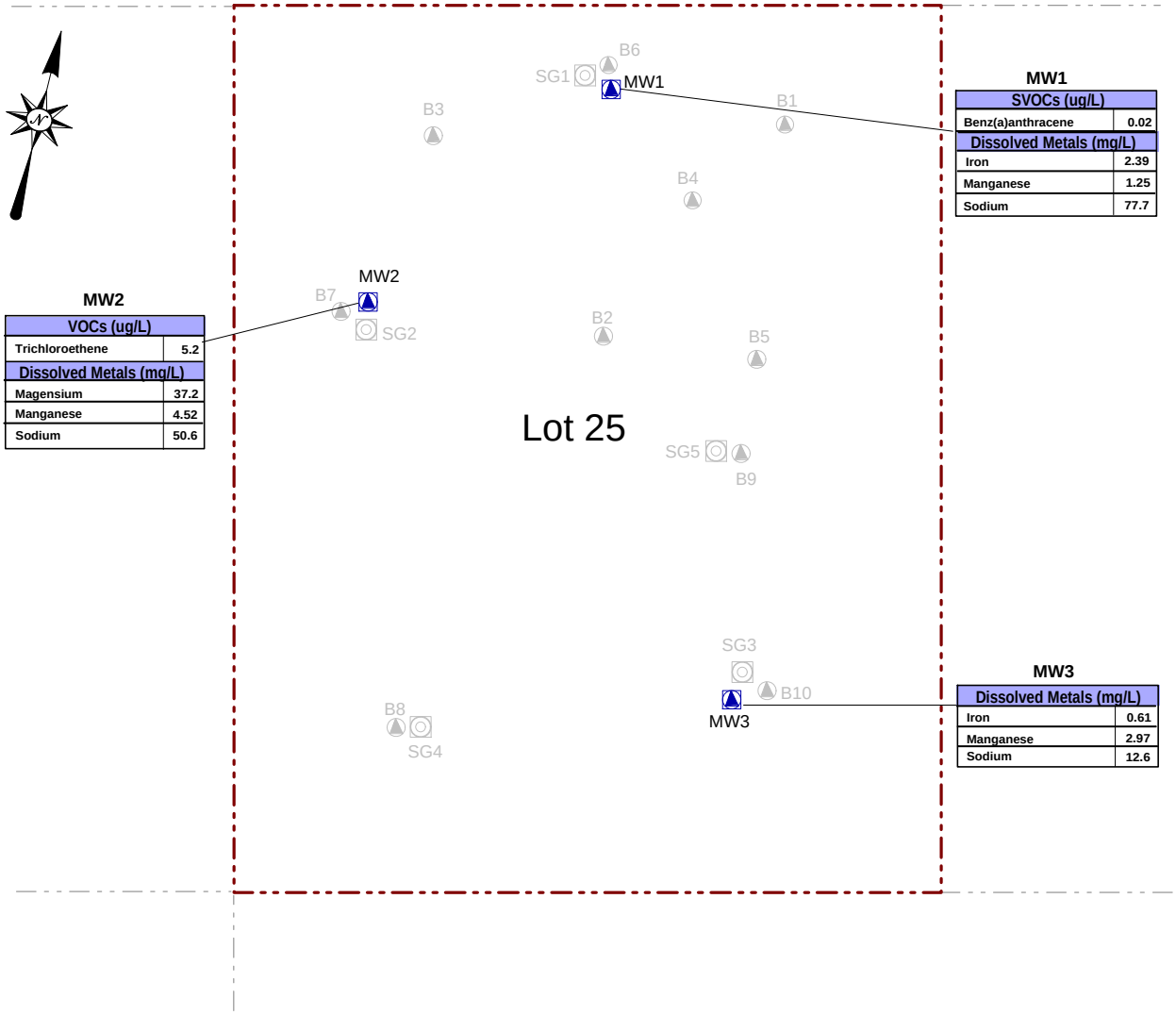
Figure No. 6

Site Address: 1038 Greene Avenue, Brooklyn, NY

Drawing Title: Soil Sampling Results Above SCOs

GREENE AVENUE

SIDEWALK



KEY:

- Property Boundary
- Groundwater Sampling Location
- Soil Boring Location
- Soil Gas Sampling Location

SCALE:

0 10 20

Scale: 1 inch = 20 feet

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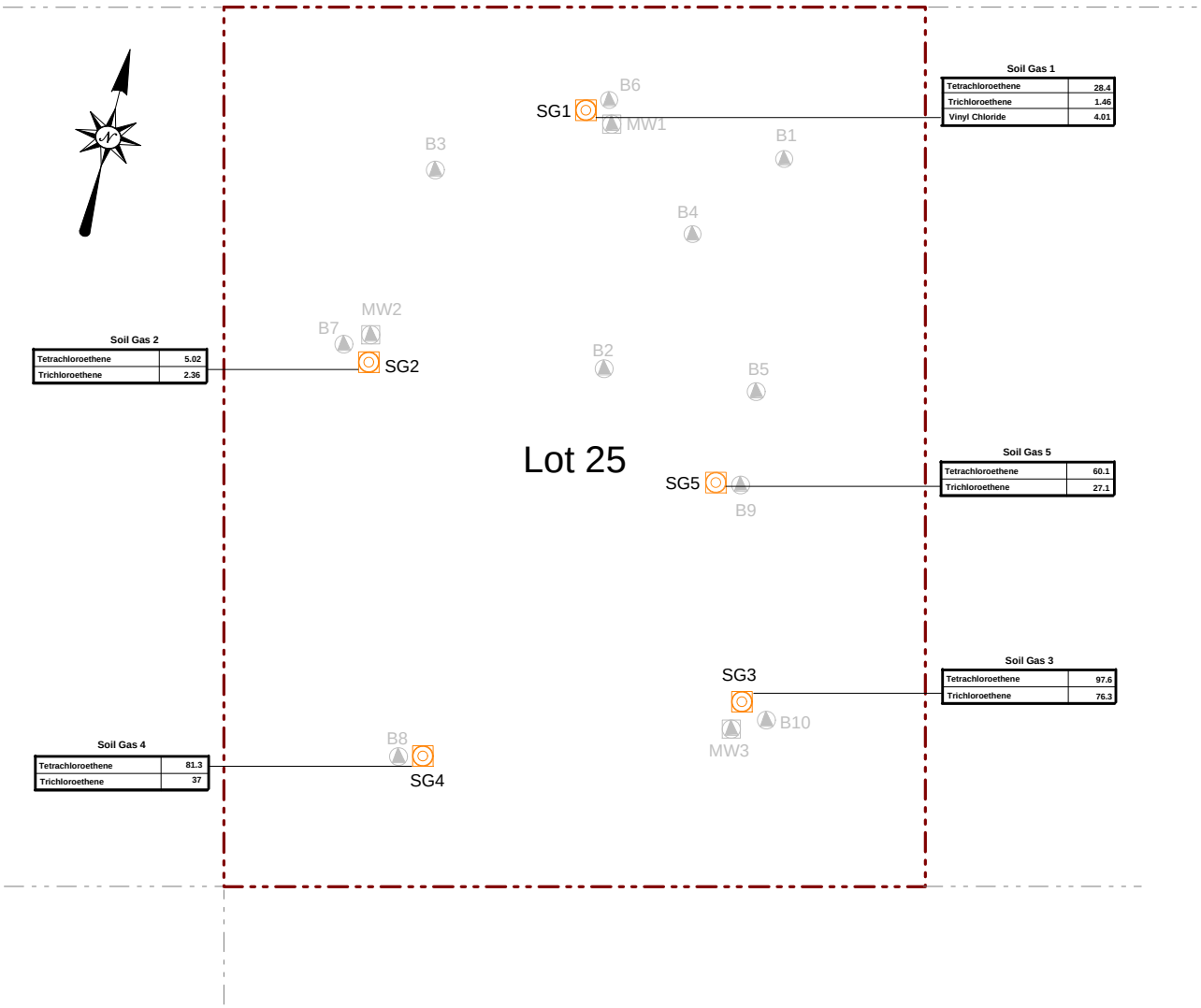
Figure No. **7**

Site Address: 1038 Greene Avenue, Brooklyn, NY

Drawing Title: Groundwater Results Above AWQS

GREENE AVENUE

SIDEWALK



KEY:

- Property Boundary
- Groundwater Sampling Location
- Soil Boring Location
- Soil Gas Sampling Location

SCALE:

0 10 20

Scale: 1 inch = 20 feet

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Figure No. 8

Site Address: 1038 Greene Avenue, Brooklyn, NY

Drawing Title: Soil Vapor Detections

ATTACHMENT A
PHASE I REPORT

PHASE I
ENVIRONMENTAL SITE ASSESSMENT REPORT

July 28, 2014

EBC Project No: KSM 1403

1038 Greene Avenue, Brooklyn, NY 11221

Block 1623, Lot No. 25

Prepared for:

Keren Star Management
329 Hewes Street
Brooklyn, NY 11211

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS
1808 Middle Country Road. Ridge, New York 11961
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EXECUTIVE SUMMARY

Environmental Business Consultants (EBC) prepared this Phase I Environmental Site Assessment (ESA) for the following property on behalf of Keren Star Management: 1038 Greene Avenue, Brooklyn, New York, 11221. The purpose of the Phase I ESA was to identify and evaluate the presence of recognized environmental conditions at the Site. Recognized environmental conditions are the presence or likely presence of any hazardous substance or petroleum product under conditions that indicate an existing release, a past release or material threat of a release of any hazardous substance or petroleum product into structures on the property or into the ground, groundwater or surface water of the property.

The work was conducted in accordance with the American Society for Testing and Materials (ASTM) Standard E 1527-13 (Standard Practices for Environmental Site Assessment: Phase I Environmental Site Assessment Process), 40 CFR Part 312 (Standards and Practices for All Appropriate Inquiry; Final Rule), and EBC's proposal for services.

The Site consists of a single tax lot which is located on the south side of Greene Avenue in the Williamsburg Section of the Borough of Brooklyn, City of New York, Kings County, New York. The Street address associated with the Site is 1038 Green Avenue, Brooklyn, New York 11221 and is identified as Block 1623 and Lot 25 in the New York City (NYC) Tax Map. The lot is square shaped and approximately 8,000 square feet (s.f.) in total with approximately 80 feet of total street frontage on Greene Avenue.

EBC was able to establish a history for the property dating back to 1888. In 1888, the Site was developed with a three-story residential building. In 1908, the same three-story structure was occupied by the Kings Co Republican club. In 1932, the Site is developed in it's current configuration of one (1) single story commercial building. The Site was occupied by a garage (Greene and Bway garage, Wexler Albert Garage) and a gasoline tank is present on the north side. In 1962, the same structure is occupied by a metal products warehouse. From 1965 to 1995, the Site was occupied by a furniture

warehouse (ALW Trucking and Express CO Inc and Adee Transport). From 2001 to 2007, the Site was occupied by a church. The Site is currently occupied as a warehouse.

RECOGNIZED ENVIROMENTAL CONDITIONS

Based upon reconnaissance of the Site and surrounding properties, interviews and review of historical records and regulatory agency databases, *this assessment has revealed the following recognized environmental conditions in connection with the Site:*

- In 1932, the Site is developed in it's current configuration of one (1) single story commercial building. The Site was occupied by a garage (Greene and Bway garage, Wexler Albert Garage) and a gasoline tank is present on the north side. EBC observed two vent pipes and a fill port associated with this system on the north side of the Site. Underground gasoline tanks and underground tank systems including dispensers and piping have been historically known to leak resulting in releases to the subsurface. The presence of the gasoline UST at the Site represents an REC.
- Commercial property located at 1003 Greene Avenue, adjacent to the north of the Site (hydraulically cross-gradient) of the Site. According to the database, this site is equipped with a UST with documented soil contamination; petroleum VOCs. The NYSDEC is requiring a Phase II work plan to further delineate contamination. No further information regarding these release was available from the regulatory database. Due to the open status of the release and the close proximity of this release to the Site. This release represents a REC.

EBC recommends a supplemental Phase II investigation to determine if the on-site gasoline UST and open release at the property adjacent to the north have impacted the sub-surface of the Site. In addition during redevelopment of the Site, closure of the gasoline UST should be preformed in accordance with local and state regulations.

ADDITIONAL ENVIROMENTAL ISSUES

The Site has been assigned an E-designation (E-285) for Hazmat, Air and Noise as part of the Bedford Stuyvesant North rezoning completed by the City in September 2012 (CEQR 12DCP156Y).

An E-designation does not interfere with the present use of the Site; however E-designations do prevent the release of building permits subject to a detailed environmental review and release by the NYC Office of Environmental Remediation. Such release may require a full subsurface investigation,

remedial and health and safety planning, implementation of a remedial program and documentation that the remedial program was completed during redevelopment of the property.

Typical NYCOER Phase II investigation/sampling requirements for hazmat "E" sites are as follows:

- Collection and laboratory analysis of for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), target analyte list (TAL) metals, PCBs and pesticides.
- Collection and laboratory analysis of groundwater samples for VOCs, SVOCs, TAL metals (filtered and unfiltered), PCBs and pesticides.
- Collection and laboratory analysis of soil gas samples for laboratory analysis of VOCs via EPA Method TO-15.

The Noise E requires that any new building constructed on the property include a window wall system which will achieve a noise attenuation of 31 dBA to maintain a maximum interior noise level of 45 dBA. An alternate means of ventilation such as through the wall or central air conditioning will also be required to maintain a closed window condition. Satisfaction of the Noise E requires the submission of a Noise Remedial Action Plan and an Installation Report certified by a Professional Engineer or Registered Architect.

The Air E requires any new residential or commercial development must ensure that the heating, ventilation and air conditioning stack will use exclusively natural gas as the type of fuel for space heating and not water HVAC systems.

Additional information regarding "E" sites can be found on the New York City Office of Environmental Remediation website:

http://www.nyc.gov/html/oer/html/e_designation/e_designation.shtml

Asbestos and Lead Based Paint

Based on the date of construction, asbestos containing materials (roof, roof flashing, floor tiles and other concealed materials) and or lead based paint may be present. During the site inspection conducted by EBC, all suspect materials were noted to be in fair to good condition. Prior to any renovations or demolition of the building, an asbestos and lead based paint survey would be needed to determine the asbestos and or lead based paint content of suspect materials.

1.0 INTRODUCTION

1.1 Purpose

Environmental Business Consultants (EBC) prepared this Phase I Environmental Site Assessment (ESA) for the following property on behalf of Keren Star Management; for the property located at , 1038 Greene Avenue, Brooklyn, NY, 11221 (**Figure 1**). The purpose of the Phase I ESA was to identify and evaluate the presence of recognized environmental conditions at the Site. Recognized environmental conditions are the presence or likely presence of any hazardous substance or petroleum product under conditions that indicate an existing release, a past release or material threat of a release of any hazardous substance or petroleum product into structures on the property or into the ground, groundwater or surface water of the property.

1.2 Scope of Services

The assessment consisted of a visual inspection of the site and surrounding areas, interviews, a review of historical information and maps, and a review of pertinent local, state, federal and facility records. Environmental Data Resources (EDR) of Southport, Connecticut, provided the following information: a computerized database search of environmental compliance records of sites within an ASTM standard radius of the property, a Sanborn fire insurance map search, and a historical telephone directory search.

EBC reviewed the environmental database report compiled by EDR as a part of the assessment. The purpose of the review was to identify reported listings for the Site or other properties in the site vicinity. Databases reviewed included federal and state lists of known or suspected contaminated sites, lists of known handlers or generators of hazardous waste, lists of known waste disposal facilities, and lists of aboveground and underground storage tanks (ASTs and USTs). EBC's review of the database has been incorporated into this report along with a copy of the EDR report.

The work was conducted in accordance with the American Society for Testing and Materials (ASTM) Standard E 1527-13 (Standard Practices for Environmental Site Assessment: Phase I Environmental Site Assessment Process), 40 CFR Part 312 (Standards and Practices for All Appropriate Inquiry; Final Rule), and EBC's proposal for services.

1.3 Significant Assumptions

EBC has made the following assumptions in the preparation of this report:

1. Groundwater – The depth to groundwater at the Site is approximately 44 feet below grade surface (bgs). Groundwater is expected to flow to the southwest, consistent with the regional trend.
2. Regulatory Records Information – EBC assumes that all information provided by EDR regarding the regulatory status of facilities within the ASTM Standard approximate minimum search distance is complete, accurate and current.
3. Other - EBC assumes that all information provided through interviews is complete and unbiased.

1.4 Limitations and Exceptions

The conclusions presented in this report are professional opinions based on the data described in this report. These opinions have been arrived at in accordance with currently accepted engineering and hydrogeologic standards and practices applicable to this location, and are subject to the following inherent limitations:

1. The data presented in this report are from visual inspections, examination of records in the public domain, and interviews with individuals having information about the site. The passage of time, manifestation of latent conditions, or occurrence of future events may require further exploration of the site, analysis of data, and re-evaluation of the findings, observations, and conclusions presented in this report.
2. The data reported and the findings, observations, and conclusions expressed are limited by the scope of work. The scope of work was defined by the request of the client.
3. No warranty or guarantee, whether expressed or implied, is made with respect to the data reported, findings, observations, or conclusions. These are based solely upon site conditions in existence at the time of the investigation, and other information obtained and reviewed by EBC.
4. EBC's Phase I ESA report presents professional opinions and findings of a scientific and technical nature. While attempts were made to relate the data and findings to applicable environmental laws and regulations, the report shall not be construed to offer legal opinion or representations as to the requirements of, nor compliance with, environmental laws, rules, or regulations, or policies of federal, state, or local government agencies. EBC does not assume

liability for financial or other losses or subsequent damage caused by or related to any use of this document.

5. The conclusions presented in this report are professional opinions based on data described in this report. They are intended only for the purpose, site location, and project indicated. This report is not a definitive study of contamination at the site and should not be interpreted as such.
6. This report is based, in part, on information supplied to EBC by third-party sources. While efforts have been made to substantiate this third-party information, EBC cannot attest to the completeness or accuracy of information provided by others.

1.5 Special Terms and Conditions

Authorization to perform this assessment was given by a proposal for services between Keren Star Management and EBC.

1.6 User Reliance

This report was prepared for the exclusive use of Keren Star Management; no other party may use the report without the written authority of EBC.

2.0 PROPERTY DESCRIPTION AND PHYSICAL SETTING

2.1 Location and Legal Description

The Site consists of a single tax lot which is located on the south side of Greene Avenue in the Williamsburg Section of the Borough of Brooklyn, City of New York, Kings County, New York. The Street address associated with the Site is 1038 Green Avenue, Brooklyn, New York 11221 and is identified as Block 1623 and Lot 25 in the New York City (NYC) Tax Map. The lot is square shaped and approximately 8,000 square feet (s.f.) in total with approximately 80 feet of total street frontage on Greene Avenue.

Records were obtained from the New York City Registrar on July 25, 2014, including copies of the tax map and deeds for the Site dating back to 1975 A copy of all of the information obtained is attached in Appendix B.

The deed transfer information for the Site is listed below:

October 29, 1990 - Ownership of Site transferred from Gloria Zeisel to Mit Mazel MGT Corp.

December 19, 1983 – Barry Wattenberg transfers ownership of Site to Gloria Zeisel.

July 15, 1982 - Ownership of Site transferred from Automotive Expo & TRCO to Barry Wattenberg.

April 7, 1975 - Ownership of Site transferred from Ben Schwartz to Automotive Expo & TRCO.

2.2 Site Characteristics

The Site is developed with one (1) single-story commercial building with a partial basement. The building is currently occupied as warehouse. Natural gas fired equipment heats the Site. A non functioning coal boiler was noted in the basement. No parking areas were noted for the Site and topography was noted to be generally level. EBC noted two gasoline vent pipes on the north side of the Site and a gasoline dispenser pump on the north side of the Site.

Photographs taken during of the Site during the site inspection are attached in **Appendix A**.

2.2.1 Utilities

Electric service for the building is provided by Con-Edison, potable water is supplied by the New York City Department of Environmental Protection (NYCDEP). Sanitary waste for the building is discharged to the New York City municipal sewer system. The Site is heated and supplied hot water by natural gas-fired equipment.

2.3 Physical Setting

The topography of the site and surrounding area was reviewed from the United States Geological Survey (USGS) 7.5-minute series topographic map for the Brooklyn, New York (NY) Quadrangle (Figure 3), which indicates that the Site has a topographic elevation of approximately 56 feet above mean sea level (amsl). The Site is relatively flat with the general topographic gradient sloping to the southwest.

2.3.1 Surface Water

A lake within Highland Park is located approximately 2.08 miles to the east of the Site.

2.3.2 Soils

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. Soil maps, based on the State Soil Geographic (STATSGO) Database, are compiled by generalizing more detailed Soil Survey Geographic (SSURGO) database maps.

According to the STATSGO data, the soil component in the vicinity of the Site is identified as Urban Land and is described as having a variable surface texture. The STATSGO database states that additional subordinant soil types may be present in the general vicinity of the Site. These soil types are described as mainly loamy sand and silt loam. Deeper soil types consist of very gravelly, loamy sand, unweathered bedrock and stratified sandy loam.

Additional information regarding the soil classification is also included in on Page A-4 of the Environmental Data Resources, Inc. (EDR) database report (Appendix E).

2.3.3 Groundwater

Estimated groundwater levels and flow directions may vary due to seasonal fluctuations in precipitation, local usage demands, geology, underground structures, or de-watering operations. Generally, groundwater flow typically mimics surface topography and will also tend to flow towards nearby bodies of water. Information contained in the EDR database report, the USGS Water-Table and Potentiometric-Surface Altitudes in the Upper Glacial, Magothy and Lloyd Aquifers Beneath Long Island, March-April 2006 (**Figure 5**), the USGS web site and topographic map were used to estimate groundwater depth and flow direction.

Based upon a surface elevation of 56 feet amsl, the depth to groundwater in the vicinity of the Site is approximately 44 feet below grade surface (bgs). Groundwater is expected to flow to the southwest consistent with the regional trend.

2.3.4 Radon Risk

Radon is a colorless, radioactive, inert gas formed by the decay of radium and may be present in soils and rocks containing granite, shale, phosphate and pitchblende. The USEPA's Map of Radon Zones for New York State, September 1993, indicates that the Brooklyn area is not a radon risk area. The EDR report provides information from the New York State Department of Health (NYSDOH) radon survey which indicates that 51 radon tests have been conducted in Kings County. Test results indicate average radon concentrations of 0.750 pCi/L (first floor level) and 1.370 pCi/L (basements). Data indicate that approximately two percent of basements tested showed results in excess of the 4.0 pCi/L USEPA action level. Based on these data, radon does not likely represent an environmental concern.

3.0 PROPERTY USAGE

3.1 Current Property Usage

The Site is developed with one (1) single-story commercial building with a partial basement. The building is currently occupied as warehouse. Natural gas fired equipment heats the Site. A non functioning coal boiler was noted in the basement. No parking areas were noted for the Site and topography was noted to be generally level. EBC noted two gasoline vent pipes on the north side of the Site and a gasoline dispenser pump on the north side of the Site.

A review of New York City Department of Buildings (NYCDOB) records and the NYC Department of City Planning Zoning map indicates that the Site is zoned commercial; C4-4L (**Figure 5**), and has been since at least October 2012.

3.2 Current Usage of Adjoining/Surrounding Properties

A summary of the uses of the surrounding/adjacent properties is described below. Photos of the exterior of adjacent properties are attached in **Appendix A**.

Surrounding Property Usage

Direction	Property Description
North	Greene Avenue, beyond which is a commercial building 1003 Green Avenue
South	A commercial building, 869 Lexington Avenue
East	A residential building; 1046 Greene Avenue
West	A residential building,, 1034 Greene Avenue

3.3 Historical Usage of Site and Surrounding Properties

Historical sources researched to determine past usage of the Site and surrounding properties are as follows:

Sanborn Fire Insurance Maps - Sanborn fire insurance maps for the Site and surrounding area were reviewed for the years 1888, 1908, 1932, 1951, 1962, 1965, 1976, 1978, 1979, 1980, 1982, 1987, 1988, 1991, 1992, 1993, 1995, 2001, 2002, 2003, 2004, 2005, 2006 and 2007. The review is summarized in Section 3.3.1. Copies of Sanborn maps are included as **Appendix C**.

City Directory Abstract - A directory of historical telephone listings at the Site and surrounding properties were reviewed from approximately five year intervals for the years 1928 through 2013. The

review is summarized in Sections 3.3.2 below. A copy of the City Directory is included in **Appendix D**.

3.3.1 Sanborn Fire Insurance Maps - Site and Adjacent Properties

The historical usage of the Site and adjacent properties, identified through Sanborn map review, is summarized below:

1888

Subject Site:

The Site is developed with one three-story residential building.

Adjacent properties:

Green Avenue borders the Site to the north, beyond which appears to be vacant land. The property adjacent to the south appears to be developed with a residential building. The properties adjacent to the east and west appear to be vacant land.

1908

Subject Site:

The Site remains developed with the same building that appears on the 1888 Sanborn map and is occupied by the Kings Co Republican club.

Adjacent properties:

Greene Avenue borders the Site to the north, beyond which is developed with a wagon house. The property adjacent to the south is developed with a wagon house. The properties adjacent to the east and west is developed with residential buildings.

1932, 1951,

Subject Site:

The Site is developed in it's current configuration of one (1) single story commercial building. The Site is occupied by a garage and a gasoline tank is present on the north side.

Adjacent properties:

Greene Avenue borders the Site to the north, beyond which is developed with a commercial building which is occupied by a garage. A gasoline tank is visible on the south side of this site.

The properties adjacent to the east and west are developed with residential buildings. The property adjacent to the south is developed with a commercial building occupied by a machine shop and garage. A gasoline tank is present on south side of this site.

1962

Subject Site:

The Site remains consistent with the 1951 Sanborn map and is occupied by a metal products warehouse. The gasoline tank is no longer visible.

Adjacent properties:

The properties adjacent to the north, south, east and west remain consistent with the 1951 Sanborn maps.

1965

Subject Site:

The Site remains consistent with the 1951 Sanborn map and is occupied by a furniture warehouse.

Adjacent properties:

The properties adjacent to the north, south, east and west remain consistent with the 1962 Sanborn maps.

1976, 1978, 1980, 1982, 1987, 1988, 1991, 1992, 1993, 1995

Subject Site:

The Site remains consistent with the 1965 Sanborn map.

Adjacent properties:

The properties adjacent to the north, east and west remain consistent with the 1965 Sanborn map. The property adjacent to the south is now occupied by a warehouse and the gasoline tank is no longer visible.

2001, 2002, 2003, 2004, 2005, 2006, 2007

Subject Site:

The Site is developed with the same commercial building and is occupied by a church.

Adjacent properties:

The properties adjacent to the north, south, east and west remain consistent with the 1995 Sanborn map.

The historical occupancy of the Site by a garage with an associated gasoline tank from 1932 to 1951, represents a significant environmental concern and has been discussed in greater detail in other sections of the report.

3.3.2 City Directory Listings

EDR conducted a search and provided copies of available historical city directory listings for the subject and adjacent properties. The historical city directory listings (**Appendix D**) were reviewed, to identify information regarding past uses of the subject and surrounding properties to determine if historical usage represented a REC to the subject property.

Historical city directory information is summarized as follows:

Date	Property Information
1928	**Subject Property:** Greene & Broadway Garage **Adjacent Properties:** Schwahl Frank Garage (1003), Residential tenant (1034), Residential tenant (1040)
1934	**Subject Property:** Greene WM & Bway Garage **Adjacent Properties:** Hudson Garage (1003), Residential tenant (1034), Residential tenant (1040)
1940	**Subject Property:** Greene and Bway garage , Wexler Albert Garage **Adjacent Properties:** Deutsch B Box and Lumber Company (811 44th Avenue), Residential tenant (1034), Residential tenant (1040)
1945	**Subject Property:** Green & Bway Garage and residential tenants **Adjacent Properties:** Residential tenant (1034), Residential tenant (1040)
1949	**Subject Property:** CAB Delivery Group **Adjacent Properties:** Hudson garage and Schwahl Frank & Son Garage (1003), Residential tenant (1034), Residential tenant (1040)
1960	**Subject Property:** Address not listed in research source **Adjacent Properties:** Hudson Garage (1003) Pigments Division Sun Chemical Corp, Eagle Printing Ink Co (4401 10th Street), Residential tenant (1040)
1965	**Subject Property:** Address not listed in resource source **Adjacent Properties:** Hudson Garage (1003), Residential tenant (1040)
1970	**Subject Property:** Adee Transport **Adjacent Properties:** Residential tenant (1040)
1973	**Subject Property:** Adee Transport **Adjacent Properties:** Residential tenant (1040), Valencia Bakery Inc
1976	**Subject Property:** Address not listed in resource source **Adjacent Properties:** Residential tenant (1034), Residential tenant (1040)

1980	**Subject Property:** ALW Trucking and Express CO Inc **Adjacent Properties:** Residential tenant (1040)
1985	**Subject Property:** Address not listed in resource source **Adjacent Properties:** Residential tenant (1034), Residential tenant (1040)
1992	**Subject Property** Address not listed in resource source **Adjacent Properties:** Residential tenant (1034), Residential tenant (1040)
1997	**Subject Property:** Address not listed in resource source **Adjacent Properties:** Residential tenant (1034), Residential tenant (1040)
2000	**Subject Property:** Address not listed in resource source **Adjacent Properties:** Residential tenant (1034), Residential tenant (1040)
2005	**Subject Property:** Address not listed in resource source **Adjacent Properties:** Residential tenant (1040), Christ Apostolic Church (869 Lexington)
2008	**Subject Property:** Address not listed in resource source **Adjacent Properties:** Christ Apostolic Church (869 Lexington)
2013	**Subject Property:** Address not listed in resource source **Adjacent Properties:** Christ Apostolic Church (869 Lexington)

Information regarding additional surrounding properties identified on the City Directory search is included with the search in **Appendix D**. The city directory indicated that the Site was occupied by a garage from 1928 to 1945, CAB Delivery Group (1949), Adee Transport from 1970 to 1973 and ALW Trucking and Express Co Inc in 1980. .

3.3 Site History Summary

EBC was able to establish a history for the property dating back to 1888. In 1888, the Site was developed with a three-story residential building. In 1908, the same three-story structure was occupied by the Kings Co Republican club. In 1932, the Site is developed in it's current configuration of one (1) single story commercial building. The Site was occupied by a garage (Greene and Bway garage, Wexler Albert Garage) and a gasoline tank is present on the north side. In 1962, the same structure is occupied by a metal products warehouse. From 1965 to 1995, the Site was occupied by a furniture warehouse (ALW Trucking and Express CO Inc and Adee Transport) . From 2001 to 2007, the Site was occupied by a church. The Site is currently occupied as a warehouse.

4.0 USER PROVIDED INFORMATION

4.1 Title Records

As of the date of this report the user has not requested that EBC perform a title search.

4.2 Environmental Liens

An environmental lien is a charge, security or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup or other remediation of hazardous substances or petroleum products upon a property, including, but not limited to, liens imposed pursuant to CERCLA 42 USC § 9607 (1) & 9607(r) and similar state and local laws.

An Environmental Lien Search was not requested.

4.3 Specialized Knowledge

The user has not made EBC aware of any specialized knowledge regarding the chemicals or processes formerly in use at the Site or surrounding property.

4.4 Commonly Known or Reasonably Ascertainable Information

The user has not made EBC aware of any commonly known or reasonably ascertainable information regarding the past uses of the Site, specific chemicals in use at the Site or any spills, chemical releases or environmental cleanups at the Site.

4.5 Valuation Reduction for Environmental Issues

The user has not made EBC aware of any valuation reduction regarding the sale price of the property.

4.6 Owner, Property Manager and Occupant Information

According to New York City Department of Finance records, the current owner of the site is identified as Mit Mazel MGT Corp.

4.7 Reason for Performing Phase I ESA

The Phase I ESA was performed to identify recognized environmental conditions at the Site as part of the due diligence to support the acquisition of the property by Keren Star Management.

5.0 RECORDS REVIEW

5.1 Standard Environmental Record Sources

Environmental Data Resources (EDR) of Southport, Connecticut was retained to provide a computerized database search of the project area within an ASTM-standard radius of the Site. A list of the databases searched and the search radius is shown on the summary table below. EBC reviewed the database output to determine if the property appears on any of the regulatory agency lists. Detailed information concerning each database list is provided in the EDR report (**Appendix E**). A summary of standard environmental record sources researched is as follows:

5.1.1 Federal Databases

The table below summarizes the Federal databases that were searched.

Federal Databases Searched

Agency	Listing Name or Database Searched	Abbreviation	Search Distance
USEPA	National Priority List	NPL	1.0 mile
USEPA	National Priority List Deletions	Delisted NPL	1.0 mile
USEPA	Comprehensive Environmental Response Compensation and Liability Act Registry	CERCLIS	0.5 mile
USEPA	CERCLIS No Further Remedial Action Planned	CERCLIS-NFRAP	0.5 mile
USEPA	Resource Conservation and Recovery Act Corrective Action Activity	CORRACTS	1.0 mile
USEPA	Resource Conservation and Recovery Act Treatment/Storage/Disposal Facilities	RCRA TSD	0.5 mile
USEPA	Resource Conservation and Recovery Act Small/Large Quantity Hazardous Waste Generators	RCRA SQG/LQG	Site and Adjoining
USEPA	Federal Institutional/Engineering Control registries	US INST/ENG Controls	Site
USEPA	Emergency Response Notification System	ERNS	Site
USEPA	Superfund (CERCLA) Consent Decrees	CONSENT	1.0 mile
USEPA	Records of Decision	ROD	1.0 mile
USEPA	Mines Master Index	MINES	0.25 mile

Federal NPL List - The National Priority List (NPL) is the United States Environmental Protection Agency (USEPA) database of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the federal Superfund Program.

Findings: The Site is not listed as an NPL facility. No NPL sites were identified within a 1-mile radius of the Site.

Federal Delisted NPL List – NPL Delisted Sites are former NPL sites that have been remediated and removed from the USEPA's priority list. Sites are deleted where the USEPA has determined that no further response is appropriate.

Findings: The Site is not identified as a Delisted NPL facility. There were no Delisted NPL sites identified within a one-mile radius of the Site.

Federal CERCLIS List - The Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) list is a compilation of sites that the USEPA has investigated or is currently investigating for a release or threatened release of hazardous substances.

Findings: The Site is not listed as a CERCLIS facility. No CERCLIS sites were listed within a half-mile radius of the Site.

Federal CERCLIS-NFRAP List – No Further Remedial Action Planned (NFRAP) sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of USEPA's knowledge, assessment at a site has been completed and that USEPA has determined no further steps will be taken to list this site on the National Priorities List (NPL).

Findings: The Site is not listed as a CERCLIS-NFRAP facility. No CERCLIS-NFRAP site were identified within a half mile radius of the Site.

Federal RCRA CORRACTS List - The RCRA Corrective Actions (CORRACTS) database is the USEPA's list of hazardous waste treatment, storage or disposal facilities subject to corrective action under RCRA.

Findings: The Site is not listed as a RCRA CORRACTS facility. No RCRA CORRACTS site were identified within a one mile radius of the Site.

Federal RCRA Treatment, Storage and Disposal Facilities - The USEPA Resource Conservation and Recovery Act (RCRA) program identifies reporting facilities that treat, store or dispose of hazardous waste.

Findings: The Site is not listed as a RCRA TSDF and no TSDFs were identified within a ½ mile radius of the Site.

Federal RCRA Generators - The RCRA Generators database is a compilation of reporting facilities that generate hazardous waste. A LQG is a site which generates more than 1,000 kilograms (kg) of hazardous waste during any one calendar month and can store waste on-site for up to 90 days. A SQG is a site which generates more than 100 and less than 1,000 kg of hazardous waste during any one calendar month and accumulates less than 6,000 kg of hazardous waste at any time; or a site which generates less than 100 kg of hazardous waste during any one calendar month and accumulates less than 1,000 kg of hazardous waste at any time. A CESQG is a site which generates less than 100 kg of hazardous waste or less than one kg of acutely hazardous waste during any one calendar month. A NonGen site is a former registered/regulated generator which does not presently generate hazardous waste.

Findings: The Site is not listed as a RCRA LQG, RCRA SQG, RCRA-CESQG or RCRA Non Gen site. Two (2) RCRA LQG, one (1) RCRA-SQG, two (2) RCRA-CESQG and seventeen (17) RCRA NonGen facilities were identified within a 1/4 mile radius of the Site. With the exception of two sites, no adjacent sites were identified. According to the EDR database, no violations are listed or corrective action has been taken for any of the remaining sites. Based on this information, these sites are not expected to represent a significant environmental concern.

Federal Institutional/Engineering Controls – Federal Institutional/Engineering Controls databases list sites with institutional/engineering controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Findings: No Federal Institutional/Engineering Controls were listed for the Site and no sites were identified within a ½ mile radius of the Site.

Federal Emergency Response Notification System - The Emergency Response Notification System (ERNS) is national database used collect information on reported releases of oil or hazardous substances.

Findings: Neither Site nor the adjacent properties were identified in the ERNS databases.

Federal Superfund Consent Decrees - The Superfund Consent Decrees (CONSENT) list identifies major legal settlements that establish responsibility and standards for cleanup at NPL sites.

Findings: The Site was not identified in the CONSENT database. No sites within a one mile of the Site were identified in the CONSENT database.

Federal Records of Decision - Record of Decision (ROD) documents mandate a permanent remedy at an NPL site containing technical and health information to aid in the cleanup.

Findings: The Site was not identified as a ROD site. No sites within a one mile of the Site were identified in the ROD database.

Federal Master Mines Index - The Master Mines Index (MINES) file contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Findings: Neither the Site nor any property within ¼ mile of the Site is listed in the MINES database.

5.1.2 New York State Databases

The table below summarizes the State databases that were searched.

New York State Databases Searched

Agency	Listing Name or Database Searched	Abbreviation	Search Distance
NYSDEC	Inactive Hazardous Waste Disposal Sites in New York State	SHWS	1.0 mile
NYSDEC	Solid Waste Facility Register	SWF	0.5 mile
NYSDEC	Registered Recycling Facilities	SWRCY	0.5 mile
NYSDEC	Registered Waste Tire Storage Facilities	SWTIRE	0.5 mile
NYSDEC	Leaking Underground Storage Tank Sites	LTANKS	0.5 mile
NYSDEC	Petroleum Bulk Storage (PBS)	UST/AST	Site and Adjoining

Agency	Listing Name or Database Searched	Abbreviation	Search Distance
NYSDEC	Chemical Bulk Storage (CBS)	CBS AST/UST	Site and Adjoining
NYSDEC	Institutional/Engineering Control registries	INST/ENG Controls	Site
NYSDEC	Voluntary Cleanup Agreements	VCP	0.5 mile
NYSDEC	Brownfield sites	Brownfields	0.5 mile
NYSDEC	Major Oil Storage Facilities	MOSF	0.5 mile
NYSDEC	New York State Spills	NYSPILLS	0.125 mile
NYSDEC	Dry Cleaner Site	Drycleaners	0.25 mile

NYS Inactive Hazardous Waste Disposal Sites - The New York State Department of Environmental Conservation (NYSDEC) maintains a state priority list of Inactive Hazardous Waste Disposal Sites (SHWS) considered to be actually or potentially contaminated and presenting a possible threat to human health and the environment. Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance/waste sites.

Findings: The Site is not listed as a SHWS site. Two (2) SHWS facilities were identified within a one mile radius of the Site. No adjacent sites were identified. These sites are located greater than 1/2 mile radius of the Site and based on the relative distance; these sites are not expected to represent a significant environmental concern.

NY Vapor Reopened – This is a database listing of previously dismissed/closed sites that are being re-evaluated with current knowledge of the potential for soil vapor intrusion.

Findings: The Site is not listed as a NY VAPOR REOPENED site. No NY VAPOR REOPENED facilities were identified within a one mile radius of the Site.

Hazardous Substance Waste Disposal Sites - The Hazardous Substance Waste Disposal Sites (HSWDS) list includes any known or suspected hazardous substance waste disposal sites. Also included are sites de-listed from the Registry of Inactive Hazardous Waste Disposal Sites list and non-Registry sites that USEPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared.

Findings: The Site is not listed on the HSWDS database. No HSWDS sites were identified within a half- radius of the Site.

NYS Landfill - The NYSDEC Solid Waste Facility Register records contain an inventory of solid waste disposal facilities or landfills in New York State.

Findings: The Site is not listed as a landfill. No NYS Landfill sites were identified within a half mile radius of the Site.

NYS Registered Recycling Facilities - The Registered Recycling Facilities List (SWRCY) is a NYSDEC list of recycling facilities.

Findings: The Site was not listed as a SWRCY site. No SWRCY sites were identified within a ½ mile radius of the Site.

NYS Registered Waste Tire Storage Facilities - The Registered Recycling Facilities List (SWTIRE) is a NYSDEC list of Registered Waste Tire Storage & Facility List.

Findings: The Site is not listed as a SWTIRE site. There were no SWTIRE sites identified within a ½ mile radius of the Site.

NYS Leaking Underground Storage Tank Sites - The Leaking Underground Storage Tank Sites (LTANKS) database contains a NYSDEC inventory of reported leaking storage tank incidents. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Findings: The Site was not identified as a LTANKS site. Twenty-eight(28) LTANK sites were identified within ½ mile of the Site. No adjacent sites were identified. With the exception of one (1) site, all of the LTANK sites have received closure from the NYSDEC. Based on this information, these LTANK sites are not expected to present a significant environmental concern to the Site. The open LTANKS listings is further discussed below:

- Stuvvesant Gardens located at 827 Gates Avenue, approximately 1,625 feet southwest (hydraulically down-gradient) of the Site. A release of # 2 fuel was reported from this site due to tank test failure on June 11, 1996. A responsible party was identified and corrective

action was taken. No further information regarding this release was available from the regulatory database. Based on the inferred direction of groundwater flow, this facility is not expected to represent a significant environmental concern.

NYS Petroleum Bulk Storage - The NYSDEC Petroleum Bulk Storage - Underground Tanks (UST) database lists facilities with a petroleum storage capacity of more than 1,100 gallons and less than 400,000 gallons. The NYSDEC Petroleum Bulk Storage - Aboveground Tanks (AST) database lists facilities with registered above ground storage tanks.

Findings: The Site is not listed as a UST site, AST site, Hist UST site, TANKS site or a Hist AST site. Ten (10) UST sites, no TANKS site, five (5) HIST UST sites and nineteen (15) AST sites are registered within a ¼ mile radius of the Site. With the exception of one site, no adjacent sites were identified. Properties with registered ASTs or USTs do not necessarily pose a hazard unless the tanks are leaking or a spill occurs. Most tanks in the area hold home heating oil for on-site boilers and furnaces. Sites with leaking tanks or spills are addressed in the appropriate section. The adjacent property is further discussed in detail below:

- B & Z Steel Equipment, located at 1003 Greene Avenue, adjacent to the north of the Site (hydraulically cross-gradient) of the Site. According to the database, this Site is equipped with one (1) 550-gallon steel/carbon steel UST which is listed as temporarily out of service. This UST was installed o January 1, 1930. No violations were identified in connection with this listing. Based on this information and assumed direction of groundwater flow, this site does not represent a significant environmental concern.

NYS Chemical Bulk Storage - The Chemical Bulk Storage (CBS) database is a NYSDEC list of facilities that store regulated hazardous substances in aboveground tanks (AST) with capacities of 185 gallons or greater or underground tanks (UST) of any size.

Findings: The Site is not identified as a CBS facility. No CBS UST sites, no CBS AST sites and no CBS facilities were identified within a ¼ mile radius of the Site.

NYS Institutional/Engineering Controls – NYSDEC list of Environmental Remediation sites with Institutional or Engineering Controls in place.

Findings: The Site is not identified in the NYSDEC Institutional/Engineering Controls databases. No sites within a ½ mile of the Site were identified in the NYSDEC Institutional/Engineering Controls databases.

NYS Voluntary Cleanup Agreements - The NYSDEC Voluntary Cleanup Program (VCP) database identifies hazardous waste sites undergoing private sector cleanup as part of redevelopment.

Findings: The Site was not identified as a VCP site. No VCP sites were identified within a one-half mile radius of the subject property.

NYS Brownfields - A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Findings: The Site was not identified as a NYS Brownfield site and is discussed in detail below. Two (2) Brownfield sites are located within ½ mile radius of the Site. None of these sites are located adjacent to the Site and both of these sites are hydraulically cross gradient from the Site. Based on the assumed direction of groundwater flow, these sites are not expected to represent a significant environmental concern.

NYS Major Oil Storage Facilities - The NYSDEC Major Oil Storage Facilities (MOSF) database lists facilities or vessels with a petroleum storage capacity of more than 400,000 gallons.

Findings: The Site was not identified as an MOSF site. No MOSF UST sites, no MOSF AST sites and no MOSF facilities was identified within ½ mile of the Site.

NYS Spills - The New York State Spills Information Database (NY SPILLS) contains data collected on chemical and petroleum spill incidents reported to NYSDEC since April 1, 1986.

Findings: The Site is not listed as a NY SPILLS site. Fifteen (15) spill sites were identified within $^{1}/_{8}$ mile of the Site. One (1) adjacent site was identified and is further discussed in detail below. With the exception of this adjacent site and one additional open site, all of these spill listings have received closure from the NYSDEC and do not represent a significant environmental concern. The open listings are discussed in detail below:

- Commercial located at 1003 Greene Avenue, adjacent to the north of the Site (hydraulically cross-gradient) of the Site. According to the database, this site is equipped with a UST with documented soil contamination; petroleum VOCs. The NYSDEC is requiring a Phase II work plan to further delineate contamination. No further information regarding these release was available from the regulatory database. Based on the current regulatory status (open) and the close distance to the Site, this Site represents a REC.

- Private residence, located at 1111 Lafayette avenue, approximately 496 feet north northwest (hydraulically cross-gradient) from the Site. According to the database, approximately thirty gallons of #2 fuel oil was released on July 18, 2013 due to equipment failure. This site is equipped with two 275-gallon heating oil ASTs. A clean up was completed and the NYS DEC is awaiting the report. Based on the relative distance and inferred direction of groundwater flow, this site is not expected to represent a significant environmental concern.

FUDS: The listing includes locations of formerly used defense sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Findings: The Site is not listed as a FUDS site. No FUDS sites were identified within a one mile radius of the Site.

MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSDF.

Findings: The Site is not listed as a MANIFEST site. Forty-one (41) manifest sites were identified within a ¼ mile radius of the Site. No adjacent sites were identified. Information provided within the EDR report indicates that there are no listed violations or that corrective action has been taken to address the violations listed for these sites. Therefore, it is unlikely that these facilities present a significant environmental risk to the Site, and they are not considered RECs.

Drycleaner Sites - The NYSDEC maintains a listing of all registered drycleaners. Drycleaner sites do not necessarily pose a hazard unless a spill occurs. Sites at which spills have been identified are addressed in the appropriate section.

Findings: The Site is not identified as drycleaner. Three (3) Drycleaner sites were identified within ¼ mile of the site. These sites are not located adjacent to the Site and information provided within the EDR report indicates that there are no listed violations listed for this site. Therefore, it is unlikely that these site presents a significant environmental risk to the Site, and is not considered as a REC.

NYS Manufactured Gas Plants - Manufactured gas plants (MGP) were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar, sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Findings: The Site is not identified as an MGP site. No MGP sites were identified within a one-mile radius of the Site.

E Designation - The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designation also includes a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Findings: The Site is was identified as an E Designation site and is further discussed below. Twenty (20) E Designation sites were identified within 1/8-mile of the Site.

Lot 25, Tax Block 1623, 1038 Greene Avenue, the Site was identified as a E Designation Site (E-285). According to the regulatory database, this Site has a Hazmat, Air and Noise E designation. The owner is identified as MiT Mazel Management Corp and the effective date is listed as October 11, 2012. This listing is further discussed in Section 5.2.6.

Lot 35, Tax Block 1618 , 1003 Greene Avenue is located adjacent to the north (hydraulically cross-gradient) from the Site. According to the regulatory database this site is listed as a E Designation site for Air, Hazmat and Noise. The owner is listed as Mit Mazel Management Copr and the effective date is October 11, 2012. This site was previously discussed in the sections above.

The remaining sites are not located adjacent to the Site. Based on the relative distance the remaining E Designation site are not expected to represent a significant environmental concern.

EDR Historical Auto Stations - EDR has searched selected national collections of business directories and has collected listings of potential gas station/ filling station/ service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/ filling station/ service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station etc.

Findings: The Site was not identified as an EDR Historical Auto Station site. Four (4) sites were identified within ¼ mile of the Site. None of these sites are located adjacent to the Site and information provided within the EDR report indicates that there are no listed violations or that corrective action has been taken to address the violations listed for this site. Therefore, it is unlikely that these facilities present a significant environmental risk to the Site.

EDR Historical Cleaners - EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash and dry etc.

- *Findings:* The Site was not identified as an EDR Historical Cleaners site. Six (6) sites were identified within ¼ mile of the Site. These sites are not located adjacent to the Site and information provided within the EDR report indicates that there are no listed violations or that corrective action has been taken to address the violations listed for these sites. Therefore, it is unlikely that these facilities present a significant environmental risk to the Site, and they are not considered RECs.

5.2 Additional Environmental Record Sources

5.2.1 Local Agency Review

Freedom of Information Act (FOIA) requests were sent to the New York City Department of Environmental Protection (NYCDEP), New York City Fire Department, New York City Department of Health (NYCDOH) and the New York City Fire Department (FDNY) for information regarding hazardous operations and or other environmental reports/investigations for the Site, including the registration of fuel storage tanks, past spills, or violations. As of the date of this report, a response had not been received for the FOIA request. Regulatory agencies usually take six to eight weeks to process FOIA requests. Any pertinent information received will be reviewed and forwarded upon receipt. Copies of FOIA requests and regulatory agency responses are included in **Appendix B**.

5.2.2 New York City Department of Finance

The following is a summary of pertinent information obtained from the New York City Department of Finance website:

Tax Lot:	Block 1623 – Lot No. 25
Address:	1038 Greene Avenue
Owner:	Mit Mazel Management Corp.
Lot Size:	8,000 square feet – rectangular
Building Class:	G2- Garage Gas Station
Zoning:	Commercial (C4-4L)

5.2.3 New York City Department of Buildings

The Department of Buildings (DOB) computerized Property Profile Overviews (PPOs) were reviewed. Pertinent information regarding Site is summarized below:

The Site is listed as a E Designation site for Hazmat, Air and Noise. According to the PPO reviewed, no complaints or violations are listed for the Site. No actions or Certificates of Occupancy (COs) were listed in connection with Site.

5.2.4 Previous Environmental Reports

No prior environmental reports were provided to EBC for review.

5.2.5 Historic Zoning Map

A review of the NYC Department of City Planning Zoning Maps for the years 1961 through 2012 indicates that the Site has been zoned commercial C4-3 from December 1961 to October 2007 and has been zoned commercial C4-4L from October 2012 to the present day. A copy of the December 1961 zoning map is included as **Figure 5B**.

5.2.6 Activity and Use Limitations

A search was conducted for Activity and Use Limitations (AULs) associated with the subject properties, more specifically Institutional Controls (ICs) and/or Engineering Controls (ECs), which have been placed upon the property as a result of environmental issue identified at the property. In the City of New York, information on such AULs is maintained by the City of New York Department of City Planning (NYCDCP) and is commonly depicted on zoning maps with an "E" designation, as well as maintained within Chain of Title Records. For a site to be designated with an "E" restriction, several criteria must be met. First, a property must be included within a designated re-zoning area, then the property must be identified as a "Potential" or "Projected" re-development property, and finally, the site must be listed on one or more environmental regulatory databases as listed in the ASTM standard, be adjacent to such a site, and/or have historical usage associated with hazardous materials with the potential to impact human health and/or the environment should a release have occurred. Sites with an "E" designation require additional investigation and/or remediation be performed in order to determine if the historical use of a property, typically manufacturing or chemical usage, have impacted the site. No change of use or development requiring a building permit will be issued for an "E" designated site without approval from the NYCOER.

The search for environmental liens and AULs also included a review of information available from the New York City Department of Finance, New York City DOB, the EDR database report, City of New

York Environmental Quality Review Requirement Declarations, City of New York Zoning maps, and the NYCDCP and NYCOER websites.

The Site has been assigned an E-designation (E-285) for Hazmat, Air and Noise as part of the Bedford Stuyvesant North rezoning completed by the City in September 2012 (CEQR 12DCP156Y).

An E-designation does not interfere with the present use of the Site; however E-designations do prevent the release of building permits subject to a detailed environmental review and release by the NYC Office of Environmental Remediation. Such release may require a full subsurface investigation, remedial and health and safety planning, implementation of a remedial program and documentation that the remedial program was completed during redevelopment of the property.

Typical NYCOER Phase II investigation/sampling requirements for hazmat "E" sites are as follows:

- Collection and laboratory analysis of for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), target analyte list (TAL) metals, PCBs and pesticides.
- Collection and laboratory analysis of groundwater samples for VOCs, SVOCs, TAL metals (filtered and unfiltered), PCBs and pesticides.
- Collection and laboratory analysis of soil gas samples for laboratory analysis of VOCs via EPA Method TO-15.

The Noise E requires that any new building constructed on the property include a window wall system which will achieve a noise attenuation of 31 dBA to maintain a maximum interior noise level of 45 dBA. An alternate means of ventilation such as through the wall or central air conditioning will also be required to maintain a closed window condition. Satisfaction of the Noise E requires the submission of a Noise Remedial Action Plan and an Installation Report certified by a Professional Engineer or Registered Architect.

The Air E requires any new residential or commercial development must ensure that the heating, ventilation and air conditioning stack will use exclusively natural gas as the type of fuel for space heating and not water HVAC systems.

Additional information regarding "E" sites can be found on the New York City Office of Environmental Remediation website:

http://www.nyc.gov/html/oer/html/e_designation/e_designation.shtml

6.0 SITE RECONNAISSANCE

6.1 Methodology and Limiting Conditions

Dominic Mosca of EBC performed the site inspection on June 19, 2014; beginning at approximately 9:30 am. The reconnaissance included a visual inspection of the Site the sidewalk immediately in front of the Site, and the exterior of adjacent properties.

Photographs taken during the inspection are attached (**Appendix A)**.

6.2 Observations

The Site is developed with one (1) single-story commercial building with a partial basement. The building is currently occupied as warehouse. Natural gas fired equipment heats the Site. A non functioning coal boiler was noted in the basement. No parking areas were noted for the Site and topography was noted to be generally level. EBC noted two gasoline vent pipes on the north side of the Site and a gasoline dispenser pump on the north side of the Site.

6.3 Aboveground and Underground Storage Tanks (ASTs/USTs)

During the on site inspection EBC noted two gasoline vent pipes and a fill port located on the north side of the Site. A gasoline dispenser pump was noted on the interior of the Site. The presence of gasoline USTs represent a REC and was previously discussed in the sections above.

6.4 Hazardous and Non-Hazardous Chemical Storage and Disposal

One (1) 55-gallon drum of used oil was observed on the interior of the Site. No secondary containment was observed beneath these drums. EBC recommends installing secondary containment to prevent a release to the sub-surface.

6.5 Underground Injection Control (UIC) Structures

Underground injection wells are regulated by the Underground Injection Control (UIC) Program under the authority of Part C of the Safe Drinking Water Act (SDWA) (42 U.S.C. 300h et seq.). The SDWA is designed to protect the quality of drinking water in the United States, and Part C specifically mandates the regulation of underground injection fluids through wells. The USEPA has promulgated a series of UIC regulations under this authority. Recent applicable revisions to UIC regulations were published in the State Implementation Guide - Revisions to the Underground Injection Control

Regulations for Class V Injection Wells, September 2000. This document specifically addresses Class V injection wells, which include on-site wastewater disposal features such as drywells, cesspools and in-situ drains. The USEPA issued a Notice of Final Determination for Class V wells; Final Rule on June 7, 2002. With the exception of motor vehicle waste disposal wells and large-capacity cesspools, Class V wells are "authorized by rule" (40 CFR 144.24) and may inject non-hazardous waste as long as the following criteria are met:

- The injection does not endanger underground sources of drinking water (40 CFR 144.12); and
- The well owners or operators submit basic inventory information (40 CFR 144.26).

The USEPA may, at its discretion, require the owner or operator of any well authorized by rule to submit information for review to determine if a well may be endangering an underground source of drinking water. In regard to motor vehicle waste disposal wells and large capacity cesspools (those that serve more than 20 persons per day), owners and/or operators of such wells in regulated areas must close the wells or obtain a permit. These requirements are being phased-in through 2008. Owners and operators of large-capacity cesspools must close the structures by April 5, 2005.

Sanitary wastewater is discharged from the Site and the surrounding areas to the New York City municipal sewer system. No features subject to UIC regulations were observed on the subject property during the site inspection.

6.6 Polychlorinated Biphenyls (PCBs)

Polychlorinated biphenyls (PCBs) were used until 1978 and are a group of compounds formed by the chlorination of biphenyl. PCBs have extremely high physical and chemical stabilities which led to their being used in many applications, including heat transfer fluids, hydraulic fluids, and dielectrics. PCBs are often found in transformers, capacitors and hydraulic systems.

Electrical equipment containing PCBs are still in use and can pose a serious health hazard if fluids come in direct contact with humans, soil or groundwater. Fires involving electrical equipment containing PCBs can cause the material to be dispersed over a large area and potentially expose many people to a health risk. Because of the health hazard associated with PCBs, they are regulated under the Toxic Substances Control Act (TSCA).

No electrical transformers or other equipment suspected to contain PCBs were identified on or adjacent to the property at the time of the site inspection.

6.7 Asbestos

Asbestos is the name given to a group of fibrous silicate minerals, typically those of the serpentine group. The tensile strength, flexibility, and non-flammability of asbestos have led to many uses including structural materials, brake linings, insulation, and pipe manufacture. Asbestos is of concern as an air pollutant because when inhaled it may cause asbestosis, mesothelioma, and bronchogenic carcinoma. In 1989, the USEPA announced regulations that would phase out most uses of asbestos by 1996.

As part of the site inspection, a visual survey was conducted of accessible areas for the presence of suspect asbestos-containing materials (ACM). Based on the date of construction of the Site asbestos (pipe insulation, boiler insulation, roofing, roof flashing or other concealed materials) may be present. During the Site inspection conducted by EBC, suspect asbestos containing materials were noted to be fair to good condition. Prior to any renovations or demolition of the building, an asbestos survey would be recommended.

6.8 Lead-Based Paint (LBP)

In 1978, the U.S. Product Safety Commission issued a ban on paints or surface coatings that contain greater than 0.06 percent lead. A visual inspection of painted surfaces was conducted during the site inspection. Based on the date of construction for the building located Site, lead based paint containing materials may be present. During the Site inspection conducted by EBC, the painted surfaces were noted to be in fair to good condition for the property building. Prior to any renovations or demolition of the building, a lead based paint survey would be recommended.

6.9 Mold

Concern about indoor exposure to mold has been increasing as the public becomes aware that exposure to mold can cause a variety of health effects and symptoms, including allergic reactions. Molds can be found almost anywhere; they can grow on virtually any organic substance, as long as moisture and oxygen are present. There are molds that can grow on wood, paper, carpet, foods, sheetrock, plaster and insulation. When excessive moisture accumulates in buildings or on building materials, mold growth will often occur, particularly if the moisture problem remains undiscovered or unaddressed.

As part of this assessment, a visual inspection was conducted for the presence of water damage and odors, indicative of the potential for mold growth. No visual or olfactory evidence of mold was identified at the subject property during the site inspection.

6.10 Wetlands

A review of the NYSDEC Freshwater Wetland Map, Kings Quadrangle, indicates that no NYS freshwater wetlands are located within a one mile radius of the Site. ECB also reviewed NYSDEC Tidal Wetlands Maps available online at http://twi.ligis.org. The tidal wetlands map indicates that there are no NYS tidal wetlands located within a one mile radius of the Site.

Potential federal wetlands were identified from the U.S. Fish and Wildlife Service (FWS) Wetlands Mapper software, which indicate that no potential federal wetlands are located within a one-sixteenth mile radius of the Site. Additional information obtained from the FWS website is included in **Appendix B**.

Federal Emergency Management Agency (FEMA) Flood Insurance Rate Maps (FIRMs) were reviewed to determine if the Site is located within the 100-year or 500-year flood zones. The FIRM showing the property (No. 3604970208F) indicates that the entire property is located outside side the 100-year and 500-year flood zones indicating an minimal risk of flooding at the Site. A copy of the FEMA FIRM is included in **Appendix B**.

7.0 INTERVIEWS

7.1 Owner

EBC did interview the owner of the Site, who was not aware of any environmental issues in connection with the Site.

7.2 Occupants

EBC interviewed the manager for the property, who was not aware of any environmental issues in connection with the Site.

7.3 Local Government Officials

Freedom of Information Act (FOIA) requests were sent to the NYCDEP, NYCDOH and FDNY York City Department of Health (NYCDOH) for information regarding hazardous operations and or other environmental reports/investigations for the Site, including the registration of fuel storage tanks, past spills, or violations. As of the date of this report, a response had not been received for the FOIA request. Regulatory agencies usually take six to eight weeks to process FOIA requests. Any pertinent information received will be reviewed and forwarded upon receipt. Copies of FOIA requests and regulatory agency responses are included in **Appendix B**.

8.0 FINDINGS AND OPINIONS

Based upon reconnaissance of the Site and surrounding properties, interviews and review of historical records and regulatory agency databases, two **recognized environmental conditions were identified** in connection with the Site as further discussed below:

- In 1932, the Site is developed in it's current configuration of one (1) single story commercial building. The Site was occupied by a garage (Greene and Bway garage , Wexler Albert Garage) and a gasoline tank is present on the north side.

  Reason for inclusion: No further information regarding the gasoline tank was provided to EBC. Underground gasoline tanks and underground tank systems including dispensers and piping have been historically known to leak resulting in releases to the subsurface.

- Commercial property located at 1003 Greene Avenue, adjacent to the north of the Site (hydraulically cross-gradient) of the Site. According to the database, this site is equipped with a UST with documented soil contamination; petroleum VOCs. The NYSDEC is requiring a Phase II work plan to further delineate contamination. No further information regarding these release was available from the regulatory database.

  Reason for inclusion: Based on the current regulatory status (open) and the close proximity to the Site, this release represents a REC.

8.1 Additional Environmental Issues

The Site has been assigned an E-designation (E-285) for Hazmat, Air and Noise as part of the Bedford Stuyvesant North rezoning completed by the City in September 2012 (CEQR 12DCP156Y).

An E-designation does not interfere with the present use of the Site; however E-designations do prevent the release of building permits subject to a detailed environmental review and release by the NYC Office of Environmental Remediation. Such release may require a full subsurface investigation, remedial and health and safety planning, implementation of a remedial program and documentation that the remedial program was completed during redevelopment of the property.

Typical NYCOER Phase II investigation/sampling requirements for hazmat “E” sites are as follows:

- Collection and laboratory analysis of for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), target analyte list (TAL) metals, PCBs and pesticides.
- Collection and laboratory analysis of groundwater samples for VOCs, SVOCs, TAL metals (filtered and unfiltered), PCBs and pesticides.
- Collection and laboratory analysis of soil gas samples for laboratory analysis of VOCs via EPA Method TO-15.

The Noise E requires that any new building constructed on the property include a window wall system which will achieve a noise attenuation of 31 dBA to maintain a maximum interior noise level of 45 dBA. An alternate means of ventilation such as through the wall or central air conditioning will also be required to maintain a closed window condition. Satisfaction of the Noise E requires the submission of a Noise Remedial Action Plan and an Installation Report certified by a Professional Engineer or Registered Architect.

The Air E requires any new residential or commercial development must ensure that the heating, ventilation and air conditioning stack will use exclusively natural gas as the type of fuel for space heating and not water HVAC systems.

Additional information regarding "E" sites can be found on the New York City Office of Environmental Remediation website:

http://www.nyc.gov/html/oer/html/e_designation/e_designation.shtml

Asbestos and Lead Based Paint

Based on the date of construction, asbestos containing materials (roof, roof flashing, floor tiles and other concealed materials) and or lead based paint may be present. During the site inspection conducted by EBC, all suspect materials were noted to be in fair to good condition. Prior to any renovations or demolition of the building, an asbestos and lead based paint survey would be needed to determine the asbestos and or lead based paint content of suspect materials.

9.0 CONCLUSIONS AND RECOMMENDATIONS

EBC performed a Phase I Environmental Site Assessment in conformance with the scope and limitations as described under ASTM Practice E1527-13 for the commercial property identified by the street addresses of 1038 Greene Avenue, Block 1623 Lot No. 25 in Brooklyn, New York. Any exceptions to, or deletions from, this practice are described in **Section 1.4** of this report. Based upon reconnaissance of the subject and surrounding properties, interviews and review of historical records and regulatory agency databases, *this assessment has revealed two recognized environmental conditions in connection with the Site and is further discussed below:*

- In 1932, the Site is developed in it's current configuration of one (1) single story commercial building. The Site was occupied by a garage (Greene and Bway garage , Wexler Albert Garage) and a gasoline tank is present on the north side. EBC observed two vent pipes and a fill port associated with this system on the north side of the Site. Underground gasoline tanks and underground tank systems including dispensers and piping have been historically known to leak resulting in releases to the subsurface. The presence of the gasoline UST at the Site represents an REC.
- Commercial property located at 1003 Greene Avenue, adjacent to the north of the Site (hydraulically cross-gradient) of the Site. According to the database, this site is equipped with a UST with documented soil contamination; petroleum VOCs. The NYSDEC is requiring a Phase II work plan to further delineate contamination. No further information regarding these release was available from the regulatory database. Due to the open status of the release and the close proximity of this release to the Site. This release represents a REC.

EBC recommends a supplemental Phase II investigation to determine if the on-site gasoline UST and open release at the property adjacent to the north have impacted the sub-surface of the Site. In addition during redevelopment of the Site, closure of the gasoline UST should be preformed in accordance with local and state regulations.

ADDITIONAL ENVIROMENTAL ISSUES

The Site has been assigned an E-designation (E-285) for Hazmat, Air and Noise as part of the Bedford Stuyvesant North rezoning completed by the City in September 2012 (CEQR 12DCP156Y).

An E-designation does not interfere with the present use of the Site; however E-designations do prevent the release of building permits subject to a detailed environmental review and release by the NYC Office of Environmental Remediation. Such release may require a full subsurface investigation, remedial and health and safety planning, implementation of a remedial program and documentation that the remedial program was completed during redevelopment of the property.

Typical NYCOER Phase II investigation/sampling requirements for hazmat "E" sites are as follows:

- Collection and laboratory analysis of for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), target analyte list (TAL) metals, PCBs and pesticides.
- Collection and laboratory analysis of groundwater samples for VOCs, SVOCs, TAL metals (filtered and unfiltered), PCBs and pesticides.
- Collection and laboratory analysis of soil gas samples for laboratory analysis of VOCs via EPA Method TO-15.

The Noise E requires that any new building constructed on the property include a window wall system which will achieve a noise attenuation of 31 dBA to maintain a maximum interior noise level of 45 dBA. An alternate means of ventilation such as through the wall or central air conditioning will also be required to maintain a closed window condition. Satisfaction of the Noise E requires the submission of a Noise Remedial Action Plan and an Installation Report certified by a Professional Engineer or Registered Architect.

The Air E requires any new residential or commercial development must ensure that the heating, ventilation and air conditioning stack will use exclusively natural gas as the type of fuel for space heating and not water HVAC systems.

Additional information regarding "E" sites can be found on the New York City Office of Environmental Remediation website:

http://www.nyc.gov/html/oer/html/e_designation/e_designation.shtml

Asbestos and Lead Based Paint

Based on the date of construction, asbestos containing materials (roof, roof flashing, floor tiles and other concealed materials) and or lead based paint may be present. During the site inspection conducted by EBC, all suspect materials were noted to be in fair to good condition. Prior to any renovations or demolition of the building, an asbestos and lead based paint survey would be needed to determine the asbestos and or lead based paint content of suspect materials.

10.0 DEVIATIONS

This Phase I ESA was conducted in accordance with the scope and limitations of the American Society for Testing and Materials (ASTM) Standard E 1527-13 (Standard Practices for Environmental Site Assessment: Phase I Environmental Site Assessment Process) an 40 CFR Part 312 (Standards and Practices for All Appropriate Inquiry; Final Rule). Excluding additional services outlined in Section 11.0, there were no deviations or deletions from this practice.

11.0 ADDITIONAL SERVICES

EBC has included, in addition to those items outlined by ASTM E 1527-13, a general evaluation of the following is a list of non-scope considerations, which may be addressed, in a limited capacity within this Phase I Environmental Site Assessment:

- Radon;
- Lead-based Paint;
- Asbestos-containing Materials; and
- Wetlands.

12.0 REFERENCES

Standard practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Standard E 1527-13

All Appropriate Inquiry, Final Rule, 40 CFR Part 312

Environmental Data Resources, Inc. regulatory database report (No. 3976015.2s), June 18, 2014.

EDR Sanborn, Inc., Sanborn Map Report (No. 3976015.3), June 18, 2014.

Environmental Data Resources, Inc. City Directory Search (No. 3976015.5), June 182014.

New York City Tax Assessor, records review - July 2014.

New York City Department of Health, Freedom of Information request forwarded July 2014.

New York City Fire Department, Freedom of Information request forwarded July 2014.

New York City Department of Environmental Protection, Freedom of Information request forwarded July 2014.

New York City Building Department, records on-line review July 2014.

U.S.G.S. Topographic Map, Brooklyn, NY Quadrangle.

U.S. Department of the Interior, Fish and Wildlife Service. National Wetlands Inventory Maps.

New York State Department of Environmental Conservation. Tidal Wetlands Maps, Kings County, New York.

Federal Emergency Management Agency (FEMA) Flood Zone Map Panel No. 3604970208F).

13.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312. I have the specific qualifications based on education, training and experience to assess a property of the nature, history and setting of the Site. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR 312.

Prepared By:

Chawinie Miller

Project Manager / Industrial Hygienist

QUALIFICATIONS OF
ENVIRONMENTAL PROFESSIONAL

ENVIRONMENTAL BUSINESS CONSULTANTS

Chawinie Miller, Project Manager / Industrial Hygienist

Professional Experience
EBC: March 2013
Prior: 7.5 years

Education
Bachelor of Science, Environmental Health and Safety, Stony Brook University, NY

Areas of Expertise
- Phase I / Property Condition Assessments
- Occupational Health and Safety Sampling
- Indoor Air Quality (IAQ) Investigations
- Mold Investigations and Remediation
- Soil and Ground Water Investigations
- Noise Studies

Professional Certification
- OSHA 40-hr HAZWOPER
- NYS Asbestos Inspector
- NYC Asbestos Investigator
- OSHA 10-hr Construction Health and Safety
- Hazard Analysis and Critical Control Point (HACCP) Certified

PROFILE

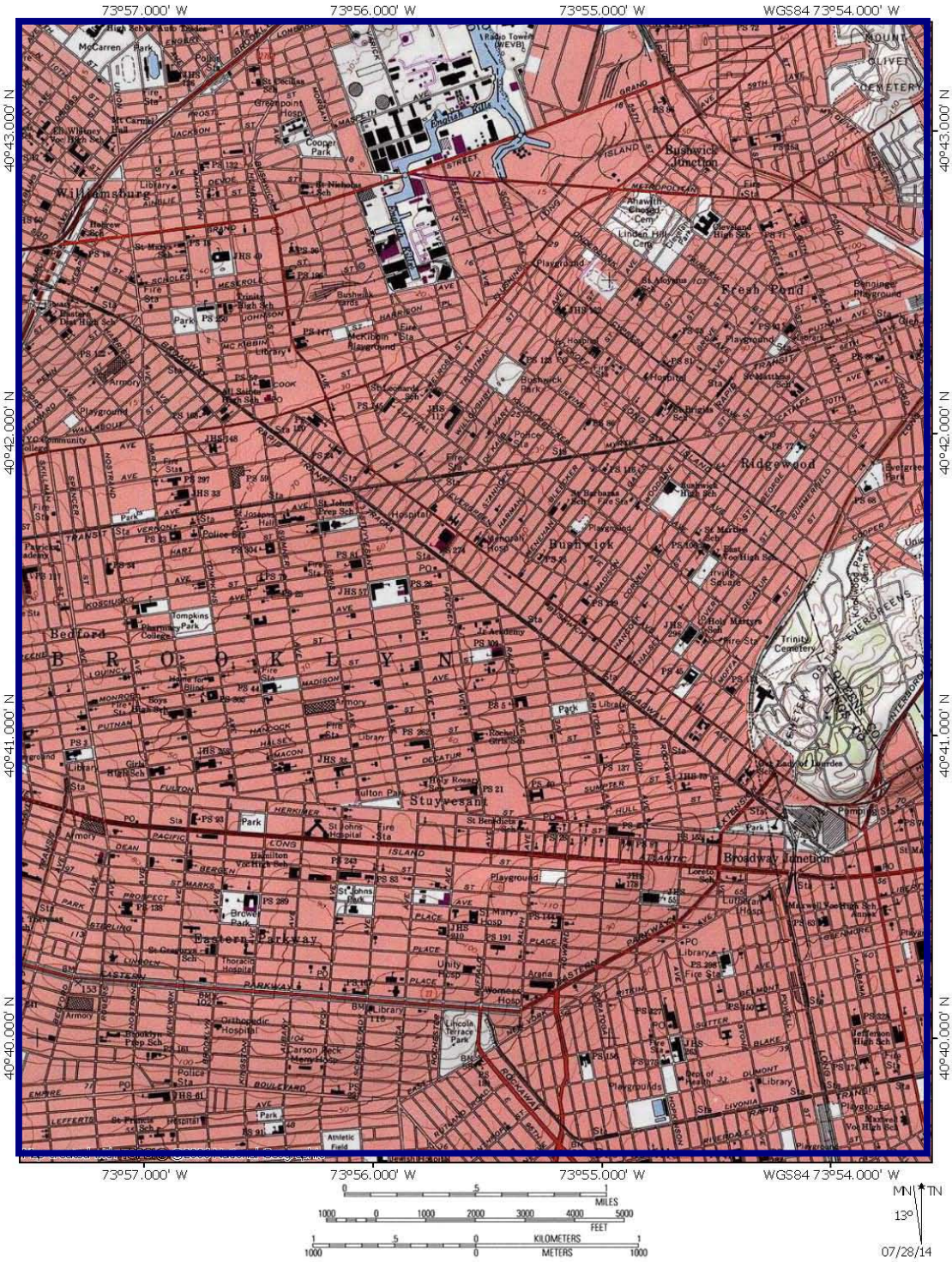
Ms. Miller has 7.5 years experience as an environmental consultant/contractor and has worked on and managed a wide range of environmental projects. Ms. Miller has conducted Phase Is and Property Condition Assessments for commercial, industrial, and residential properties in New York, New Jersey and Connecticut. In addition, Ms. Miller has conducted various IAQ, asbestos, mold and occupational health and safety sampling investigations for a variety of city, state, federal and private clients.

PREVIOUS EXPERIENCE

The Louis Berger Group, New York, New York
Industrial Hygienist, 2008-2013

AEI Consultants, Jersey City, New Jersey
Environmental Scientist, 2005-2008

FIGURES



USGS South Amboy, NJ-NY Quadrangle 1995, Contour Interval = 10 feet

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS
Phone 631.504.6000
Fax 631. 924 .2870

1038 Greene Avenue, Brooklyn, NY

FIGURE 1 SITE LOCATION MAP

FIGURE 2 – LOT DIAGRAM

N

SITE NAME: 1038 Greene Ave
STREET ADDRESS: 1038 Greene Ave
MUNICIPALITY, STATE, ZIP: Brooklyn, NY 11221

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS
Phone *631.504.6000*
Fax *631.924.2870*

FIGURE 3 – TAX MAP

N

SITE NAME: 1038 Greene Avenue
STREET ADDRESS: 1038 Greene Avenue
MUNICIPALITY, STATE, ZIP: Brooklyn, NY 11221

Source: New York City Department of Finance

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS
Phone *631.504.6000*
Fax *631.924.2870*

FIGURE 4 – SITE AERIAL

N

SITE NAME: 1038 Greene Avenue
STREET ADDRESS: 1038 Greene Avenue
MUNICIPALITY, STATE, ZIP: Brooklyn, NY 11221

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS
Phone 631.504.6000
Fax 631.924.2870

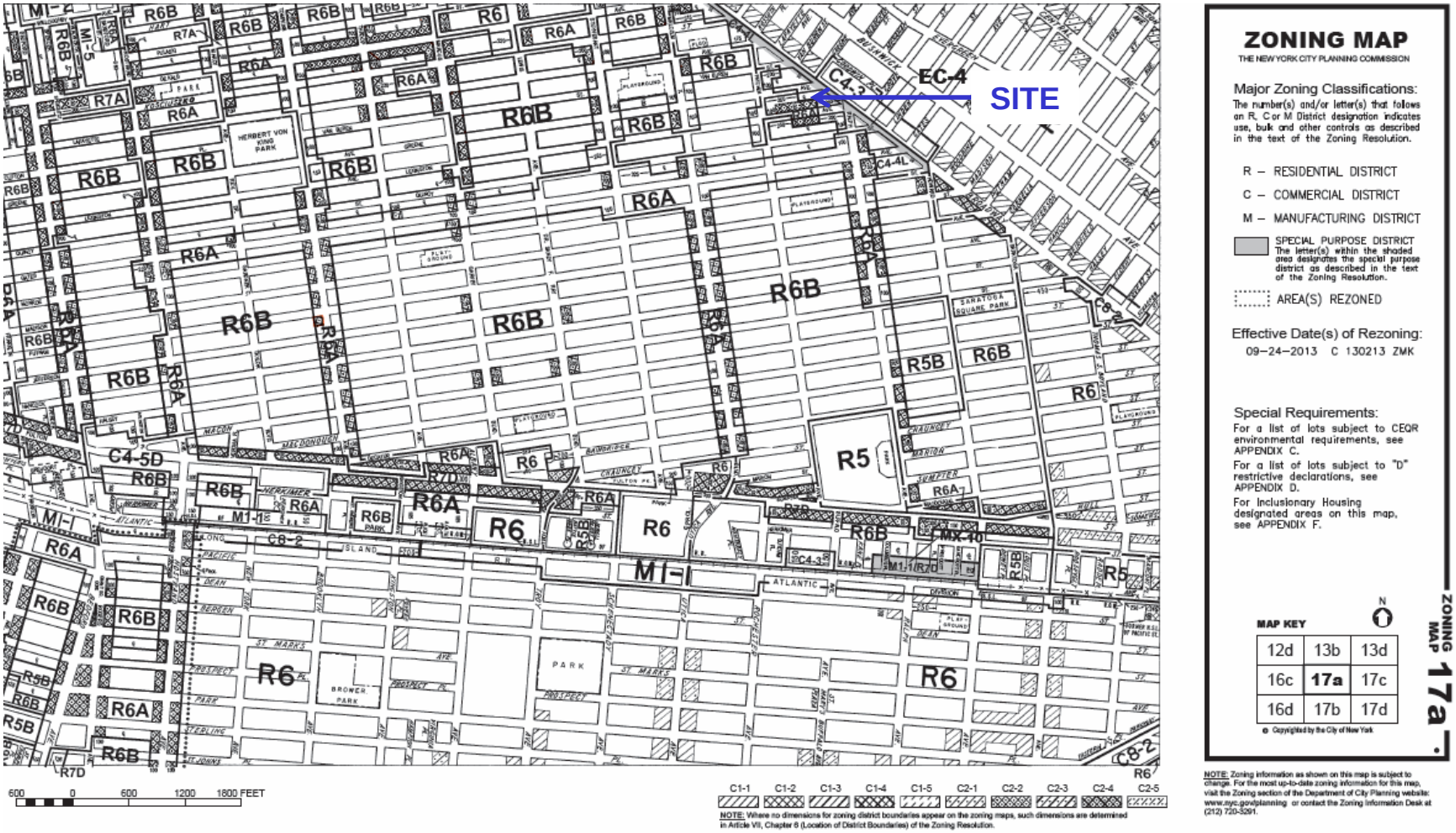


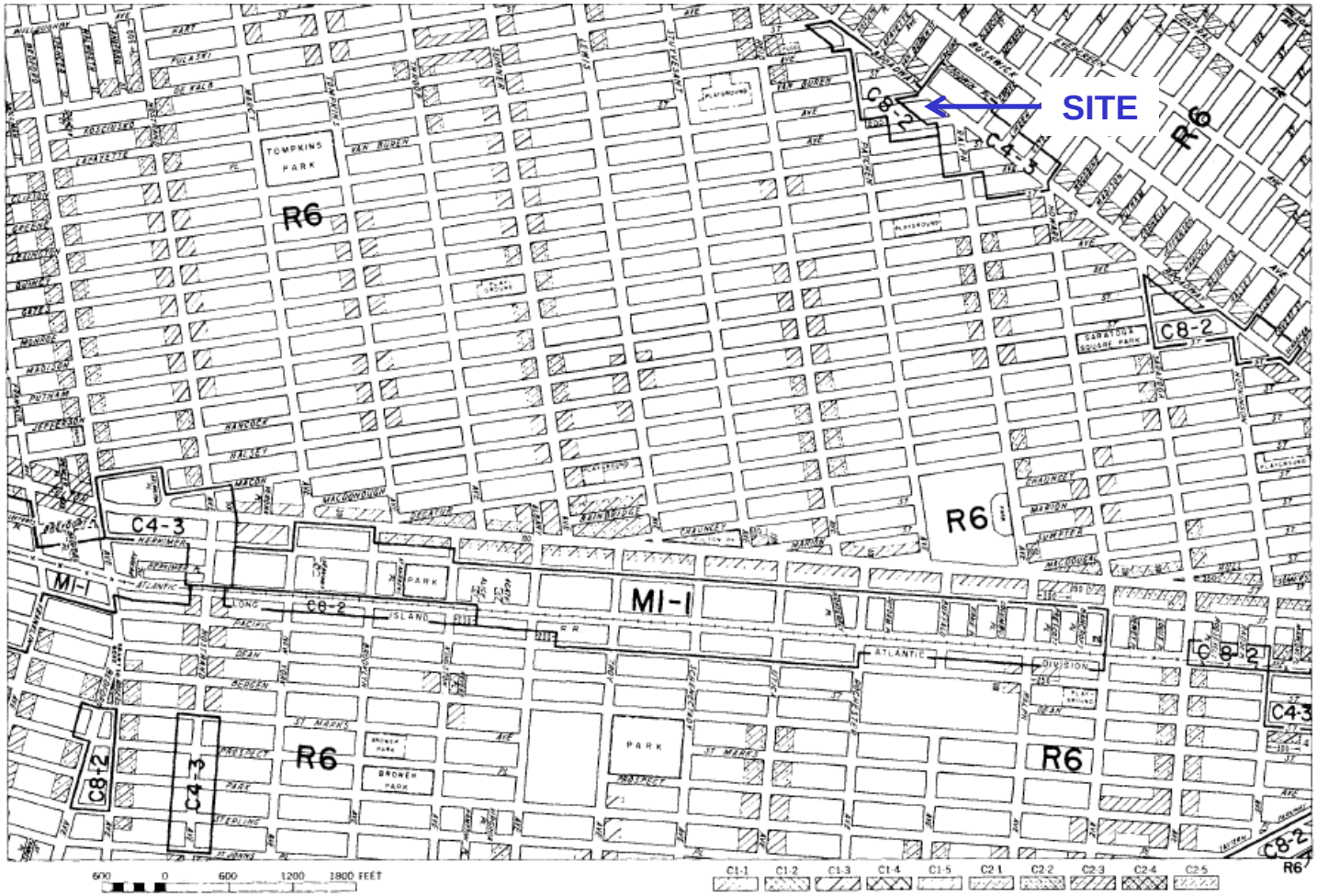
FIGURE 5A – ZONING MAP

N

SITE NAME: 1038 Greene Avenue
STREET ADDRESS: 1038 Greene Avenue
MUNICIPALITY, STATE, ZIP: Brooklyn, NY 11221

Source: New York City Department of City Planning

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS
Phone *631.504.6000*
Fax *631.924.2870*



17a

ZONING MAP

CITY PLANNING COMMISSION

THE CITY OF NEW YORK

12d	13b	13d
16c	17a	17c
16d	17b	17d

EFFECTIVE: DECEMBER 15, 1961
AS CORRECTED:

FIGURE 5B – HISTORIC ZONING MAP

N

SITE NAME: 1038 Greene Avenue
STREET ADDRESS: 1038 Greene Avenue
MUNICIPALITY, STATE, ZIP: Brooklyn, NY 11221

Source: New York City Department of City Planning - 1961

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS
Phone *631.504.6000*
Fax *631.924.2870*

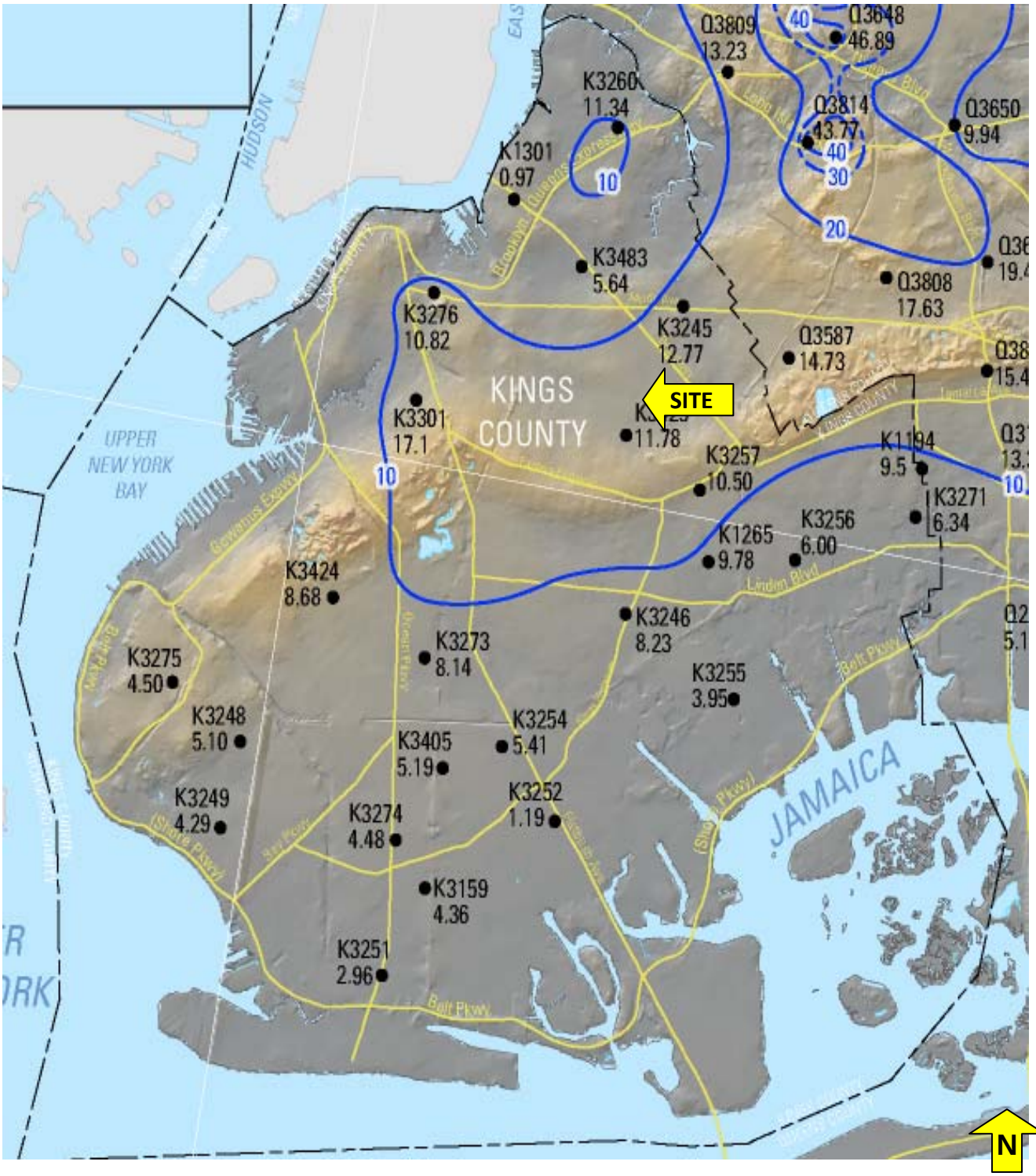


FIGURE 6 – WATER TABLE MAP

EBC
Phone 631.504.6000
Fax 631.924.2870
Environmental Business Consultants

SITE NAME: 1038 Greene Avenue
STREET ADDRESS: 1038 Greene Avenue
MUNICIPALITY, STATE, ZIP: Brooklyn, NY 11221

Source: USGS - 2009

APPENDIX A

SITE PHOTOGRAPHS

View of the north side of the Site.

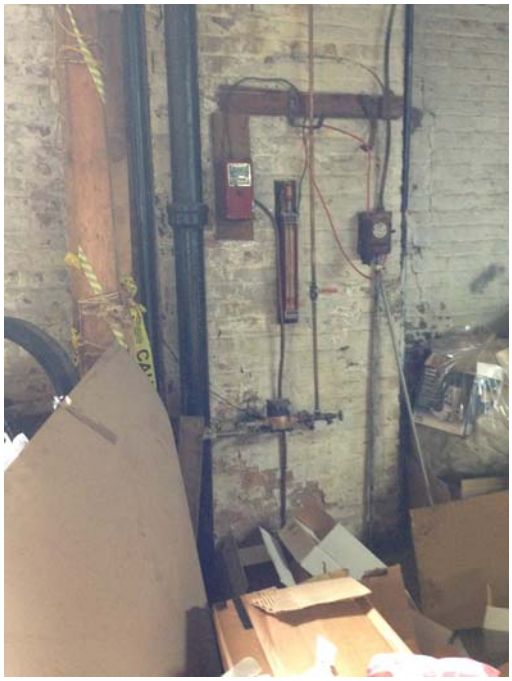
View of the two gasoline vent pipes, located on the north side.

View of the fill port for the gasoline USTs, located on the north side.

View of the interior of the Site.

View of the gasoline pump dispenser.

View of the basement with coal boiler.



View of the tank indicator device.

View of 55-gallon drum of waste oil.

APPENDIX B

LOCAL AGENCY INFORMATION

CLICK HERE TO SIGN UP FOR BUILDINGS NEWS

NYC Department of Buildings

Property Profile Overview

1038 GREENE AVENUE		**BROOKLYN 11221**		**BIN# 3044192**	
GREENE AVENUE	1038 - 1038	**Health Area**	: 2100	**Tax Block**	: 1623
		Census Tract	: 387	**Tax Lot**	: 25
		Community Board	: 303	**Condo**	: NO
		Buildings on Lot	: 1	**Vacant**	: NO

View DCP Addresses... Browse Block

View Zoning Documents | View Challenge Results | Pre - BIS PA | View Certificates of Occupancy

Cross Street(s):	PATCHEN AVENUE, BROADWAY		
DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:		**Special Status:**	N/A
Local Law:	NO	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Environmental Restrictions:	HAZMAT/NOISE/AIR	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	NO
Additional BINs for Building:	NONE		

Special District: UNKNOWN

This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Hazard Area. Click here for more information

Department of Finance Building Classification: G2-GARAGE/GAS STAT'N

Please Note: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

Elevator Records

	Total	Open
Complaints	0	0
Violations-DOB	0	0
Violations-ECB (DOB)	0	0
Jobs/Filings	1	
ARA / LAA Jobs	0	
Total Jobs	1	
Total Actions	0	

OR Enter Action Type:

OR Select from List: Select...

AND Show Actions

- Electrical Applications
- Permits In-Process / Issued
- Illuminated Signs Annual Permits
- Plumbing Inspections
- Open Plumbing Jobs / Work Types
- Facades
- Marquee Annual Permits
- Boiler Records
- DEP Boiler Information
- Crane Information
- After Hours Variance Permits

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

New York City Department of Finance
Office of the City Register

HELP
[Click help for additional instructions]
Selecting a help option will open new window

Current Search Criteria:

Borough: BROOKLYN / KINGS
Block: 1623
Lot: 25 **Unit:** N/A
Date Range:
Document Class: All Document Classes

Search Results By Parcel Identifier

Records 1 - 8 << previous next >> Max Rows 99 [Search Options] [New BBL Search] [Edit Current Search] [View Tax Map] [Print Index]

View	Reel/Pg/File	CRFN	Lot	Partial	Doc Date	Recorded / Filed	Document Type	Pages	Party1	Party2	Party 3/ Other	More Party 1/2 Names	Corrected/ Remarks	Doc Amount
DET IMG		2013000331022	25	ENTIRE LOT	6/14/2013	8/21/2013 8:24:53 AM	SATISFACTION OF MORTGAGE	3	AUTOMOTIVE EXPRESS & TRUCKING CO., INC.	SCHWARTZ, BEN				0
DET IMG	2628/1535		25	ENTIRE LOT	10/6/1990	10/29/1990	DEED	2	ZEISEL, GLORIA	MIT MAZEL MGT CORP				0
DET IMG	1459/241		25	ENTIRE LOT		12/22/1983	SATISFACTION OF MORTGAGE	2	WATTENBERG, BARRY	TUCKER, FRED		✓		0
DET IMG	1457/678		25	ENTIRE LOT	11/1/1983	12/19/1983	DEED	2	WATTENBERG, BARRY	ZEIZEL, GLORIA		✓		0
DET IMG	1326/867		25	ENTIRE LOT		7/15/1982	MORTGAGE	4	WATTENBERG, BARRY	TUCKER, FRED		✓		6,000
DET IMG	1326/865		25	ENTIRE LOT	6/25/1982	7/15/1982	DEED	2	AUTOMOTIVE EXP & TRCO	WATTENBERG, BARRY				0
DET IMG	772/786		25	ENTIRE LOT	4/7/1975	4/7/1975	MORTGAGE	6	AUTOMOTIVE EXPRESS & TRUCKING CO INC	SCHWARTZ BEN				0
DET IMG	772/784		25	ENTIRE LOT	4/7/1975	4/7/1975	DEED	2	SCHWARTZ BEN	AUTOMOTIVE EXPRESS & TRUCKING CO INC				0

Search Options | New Parcel Identifier Search | Edit Current Search | View Tax Map

Form 3264
Standard N.Y.B.T.U. Form 8001-8-63—Bargain and Sale Deed, without Covenants against Grantor's Acts—Individual or Corporation (single sheet)

CONSULT YOUR LAWYER BEFORE SIGNING THIS INSTRUMENT—THIS INSTRUMENT SHOULD BE USED BY LAWYERS ONLY.

THIS INDENTURE, made the 6th day of OCTOBER, nineteen hundred and ninety

BETWEEN GLORIA ZEISEL, sole surviving tenant by the entirety, residing at 16-19 201st Street, Bayside, New York 11360

party of the first part, and

MIT MAZEL MANAGEMENT CORPORATION, a New York Corporation with offices at 78 Greene Street, New York, N.Y. 10012

party of the second part,

WITNESSETH, that the party of the first part, in consideration of Ten Dollars and other valuable consideration paid by the party of the second part, does hereby grant and release unto the party of the second part, the heirs or successors and assigns of the party of the second part forever,

ALL that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, 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 southerly side of Greene Avenue distant 350 feet 2-½ inches easterly from the southeasterly corner of Greene Avenue and Patchen Avenue;

THENCE southerly parallel with Patchen Avenue, 100 feet;

THENCE easterly parallel with Greene Avenue, 80 feet;

THENCE northerly parallel with Patchen Avenue 100 feet to the southerly side of Greene Avenue;

THENCE westerly along the southerly side of Greene Avenue, 80 feet to the point or place of BEGINNING.

SAID premises known as 1036 Greene Avenue, Brooklyn, New York

TOGETHER with all right, title and interest, if any, of the party of the first part of, in and to any streets and roads abutting the above-described premises to the center lines thereof; TOGETHER with the appurtenances and all the estate and rights of the party of the first part in and to said premises; TO HAVE AND TO HOLD the premises herein granted unto the party of the second part, the heirs or successors and assigns of the party of the second part forever.

AND the party of the first part, in compliance with Section 13 of the Lien Law, covenants that the party of the first part will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.

The word "party" shall be construed as if it read "parties" whenever the sense of this indenture so requires.

IN WITNESS WHEREOF, the party of the first part has duly executed this deed the day and year first above written.

IN PRESENCE OF:

X Gloria Zeisel
GLORIA ZEISEL

over

WCB1

Standard N Y B T U Form 8001 —Bargain and Sale Deed, without Covenant against Grantor's Acts—Individual or Corporation (Single Sheet)

REEL 1457 PAGE 678

CONSULT YOUR LAWYER BEFORE SIGNING THIS INSTRUMENT—THIS INSTRUMENT SHOULD BE USED BY LAWYERS ONLY.

THIS INDENTURE, made the 1st day of November, nineteen hundred and eighty three

BETWEEN

BARRY WATTENBERG, residing at
164-08 65th Avenue
Flushing, New York

party of the first part, and

HENRY ZEIZEL & GLORIA ZEIZEL, his wife, both residing at
16-19 201st Street
Bayside, New York

party of the second part,

WITNESSETH, that the party of the first part, in consideration of ten dollars and other valuable consideration paid by the party of the second part, does hereby grant and release unto the party of the second part, the heirs or successors and assigns of the party of the second part forever,

ALL that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, 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 southerly isde of Greene Avenue distant 350 feet 2-½ inches easterly from the southeasterly corner of Greene Avenue and Patchen Avenue;

THENCE southerly parallel with Patchen Avenue, 100 feet;

THENCE easterly parallel with Greene Avenue, 80 feet;

THENCE northerly parallel with Patchen Avenue 100 feet to the southerly side of Greene Avenue;

THENCE westerly along the southerly side of Greene Avenue, 80 feet to the point or place of BEGINNING.

SAID premises known as 1036 Greene Avenue, Brooklyn, New York

TOGETHER with all right, title and interest, if any, of the party of the first part in and to any streets and roads abutting the above described premises to the center lines thereof; **TOGETHER** with the appurtenances and all the estate and rights of the party of the first part in and to said premises; **TO HAVE AND TO HOLD** the premises herein granted unto the party of the second part, the heirs or successors and assigns of the party of the second part forever.

AND the party of the first part, in compliance with Section 13 of the Lien Law, covenants that the party of the first part will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.

The word "party" shall be construed as if it read "parties" whenever the sense of this indenture so requires.

IN WITNESS WHEREOF, the party of the first part has duly executed this deed the day and year first above written.

IN PRESENCE OF:

BARRY WATTENBERG

CONSULT YOUR LAWYER BEFORE SIGNING THIS INSTRUMENT—THIS INSTRUMENT SHOULD BE USED BY LAWYERS ONLY.

SST
32.45

1623

THIS INDENTURE, made the 25th day of June, nineteen hundred and eighty

BETWEEN

AUTOMOTIVE EXPRESS & TRUCKING CO., INC., a domestic corporation, 1036 Greene Avenue, Brooklyn, New York

party of the first part, and

BARRY WATTENBERG, 164-08 65th Avenue, Flushing, New York

party of the second part,

WITNESSETH, that the party of the first part, in consideration of Ten Dollars and other valuable consideration paid by the party of the second part, does hereby grant and release unto the party of the second part, the heirs or successors and assigns of the party of the second part forever,

ALL that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, 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 southerly side of Greene Avenue, distant 350' 2 1/2" easterly from the southeasterly corner of Greene Avenue and Patchen Avenue; running thence southerly parallel with Patchen Avenue 100'; thence easterly parallel with Greene Avenue, 80'; thence northerly parallel with Patchen Avenue 100' to the southerly side of Greene Avenue; and thence westerly along the southerly side of Greene Avenue, 80' to the point or place of BEGINNING.

Said premises being known as and by the street number 1036-1038 Greene Avenue.

Subject to existing First Mortgage in the reduced sum of $18,914.75 subject to Purchase Money Second Mortgage in the sum of $6,000.00

TOGETHER with all right, title and interest, if any, of the party of the first part in and to any streets and roads abutting the above described premises to the center lines thereof; TOGETHER with the appurtenances and all the estate and rights of the party of the first part in and to said premises; TO HAVE AND TO HOLD the premises herein granted unto the party of the second part, the heirs or successors and assigns of the party of the second part forever.

AND the party of the first part covenants that the party of the first part has not done or suffered anything whereby the said premises have been encumbered in any way whatever, except as aforesaid.

AND the party of the first part, in compliance with Section 13 of the Lien Law, covenants that the party of the first part will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.

The word "party" shall be construed as if it read "parties" whenever the sense of this indenture so requires.

IN WITNESS WHEREOF, the party of the first part has duly executed this deed the day and year first above written.

IN PRESENCE OF:

AUTOMOTIVE EXPRESS & TRUCKING CO., INC.
By: [signature]

Standard N.Y.B.T.U. Form 8002. Bargain and Sale Deed, with Covenant Against Grantor's Acts—Individual or Corporation.

Standard N.Y.B.T.U. Form 8002 • 9-74-20M Bargain and Sale Deed, with Covenant against Grantor's Acts—Individual or Corporation (Single sheet)

CONSULT YOUR LAWYER BEFORE SIGNING THIS INSTRUMENT—THIS INSTRUMENT SHOULD BE USED BY LAWYERS ONLY.

REEL 772 PAGE 784

THIS INDENTURE, made the 3rd day of April, , nineteen hundred and seventy-five

BETWEEN BEN SCHWARTZ, residing at
79-17 215th Street
Bayside, New York

party of the first part, and AUTOMOTIVE EXPRESS & TRUCKING CO., INC., a New York corporation maintaining a place of business at 8 Marwood Drive, Hauppauge, New York

BL 16Y
LOT 75

party of the second part,

WITNESSETH, that the party of the first part, in consideration of Ten Dollars and other valuable consideration paid by the party of the second part, does hereby grant and release unto the party of the second part, the heirs or successors and assigns of the party of the second part forever,

Stages
$55.00

ALL that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, 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 southerly side of Greene Avenue, distant 350' 2½" easterly from the southeasterly corner of Greene Avenue and Patchen Avenue; running thence southerly parallel with Patchen Avenue 100'; thence easterly parallel with Greene Avenue, 80'; thence northerly parallel with Patchen Avenue 100' to the southerly side of Greene Avenue; and thence westerly along the southerly side of Greene Avenue, 80' to the point or place of BEGINNING.

Said premises being known as and by the street number 1036-1038 Greene Avenue.

Said premises being and intended to be the premises conveyed by Anthony Innamorato to the grantor herein by deed dated November 19, 1958 and recorded in the Office of the New York City Register on November 26, 1958, at Liber 8681 of conveyances, page 199.

KINGS COUNTY REAL ESTATE TRANSFER TAX Dept. of Taxation and Finance STATE OF NEW YORK $55.00 FEB 1971

TOGETHER with all right, title and interest, if any, of the party of the first part in and to any streets and roads abutting the above described premises to the center lines thereof; TOGETHER with the appurtenances and all the estate and rights of the party of the first part in and to said premises; TO HAVE AND TO HOLD the premises herein granted unto the party of the second part, the heirs or successors and assigns of the party of the second part forever.

AND the party of the first part covenants that the party of the first part has not done or suffered anything whereby the said premises have been encumbered in any way whatever, except as aforesaid.
AND the party of the first part, in compliance with Section 13 of the Lien Law, covenants that the party of the first part will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.
The word "party" shall be construed as if it read "parties" whenever the sense of this indenture so requires.

IN WITNESS WHEREOF, the party of the first part has duly executed this deed the day and year first above written.

IN PRESENCE OF:

Benny Schwartz
Ben Schwartz

APPENDIX C

SANBORN MAPS

1036 Greene Ave

1036 Greene Ave

Brooklyn, NY 11221

Inquiry Number: 3976015.3

June 18, 2014

Certified Sanborn® Map Report

6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

6/18/14

Site Name:
1036 Greene Ave
1036 Greene Ave
Brooklyn, NY 11221

Client Name:
Env. Business Consultants
1808 Middle Country Road
Ridge, NY 11961

EDR Inquiry # 3976015.3

Contact: Chawinie Miller

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Env. Business Consultants were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Site Name: 1036 Greene Ave
Address: 1036 Greene Ave
City, State, Zip: Brooklyn, NY 11221
Cross Street:
P.O. # NA
Project: NA
Certification # 3E60-4A8C-A794

Maps Provided:

2007	2001	1987	1965
2006	1995	1982	1962
2005	1993	1980	1951
2004	1992	1979	1932
2003	1991	1978	1908
2002	1988	1976	1888

Sanborn® Library search results
Certification # 3E60-4A8C-A794

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

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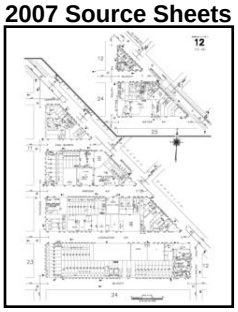
Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

2007 Source Sheets



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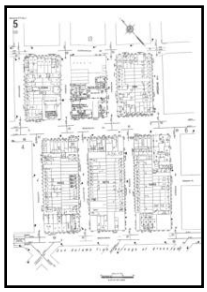

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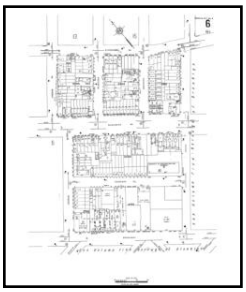

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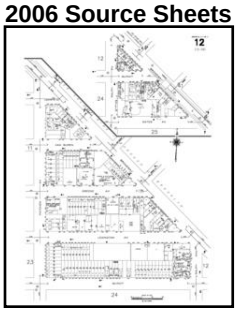

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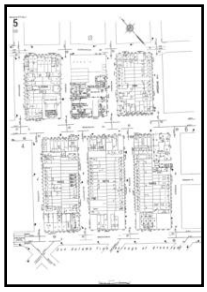

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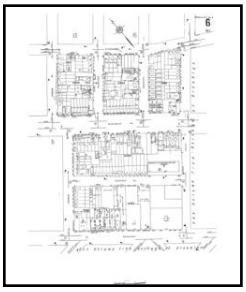

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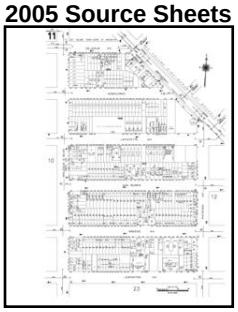

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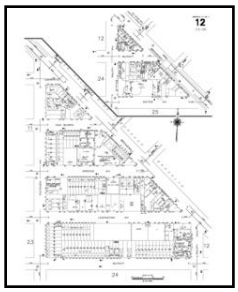

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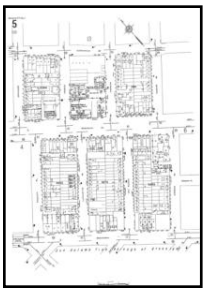

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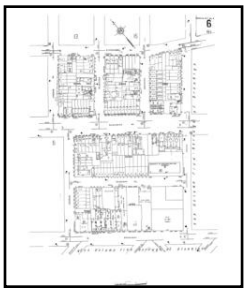

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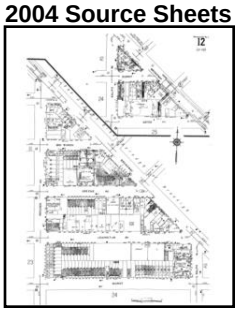

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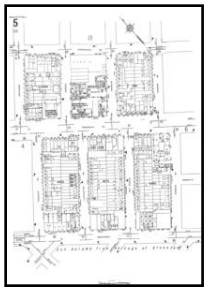

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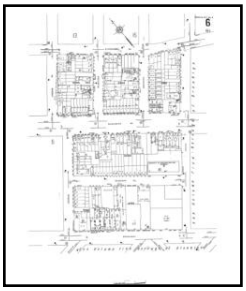

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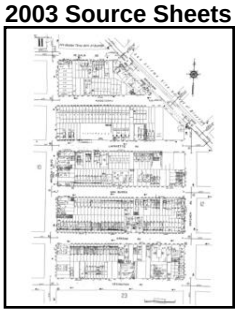

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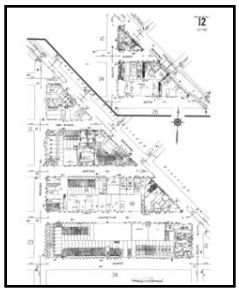

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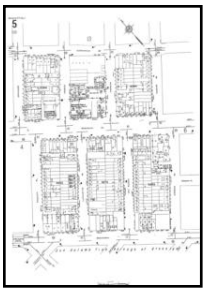

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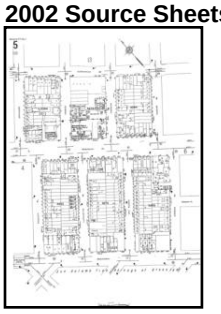

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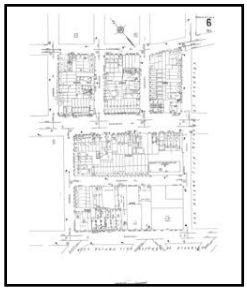

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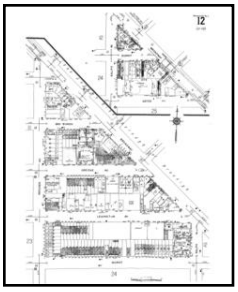

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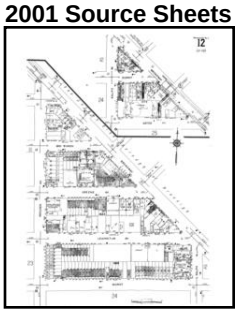

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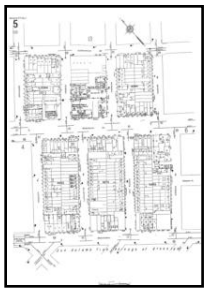

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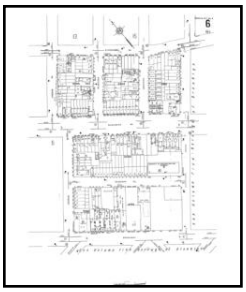

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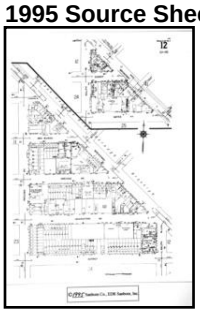

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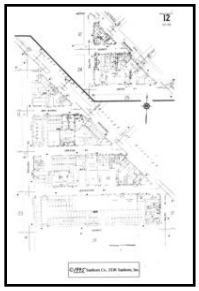

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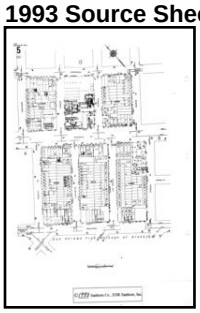

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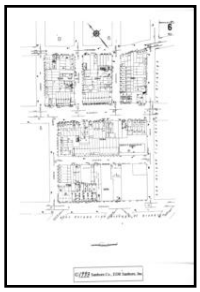

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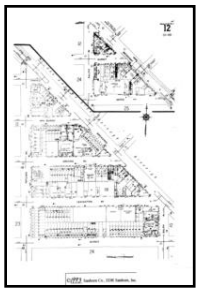

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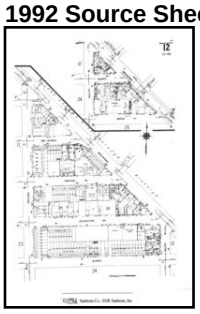

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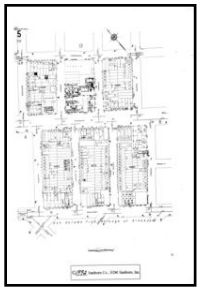

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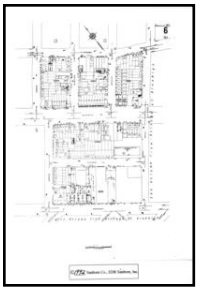

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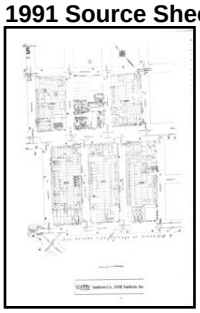
1991 Source Sheets



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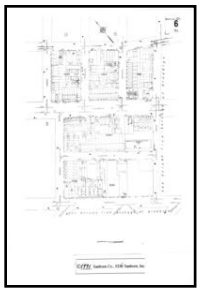

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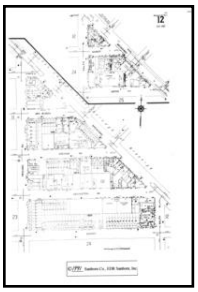

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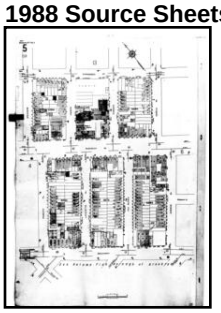

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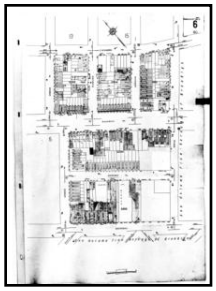

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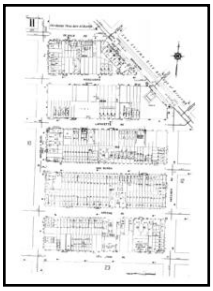

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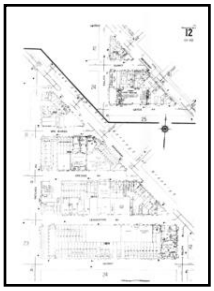

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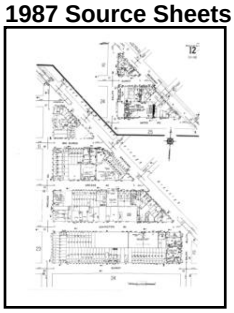

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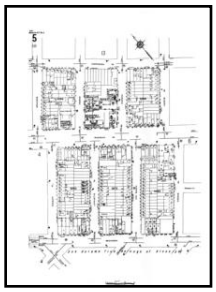

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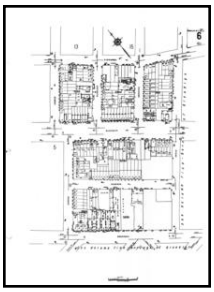

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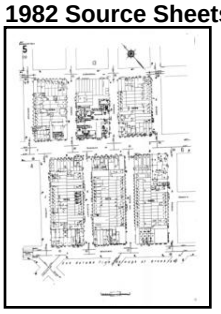

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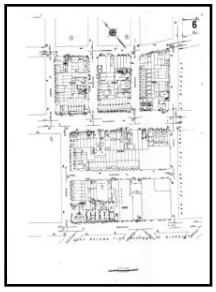

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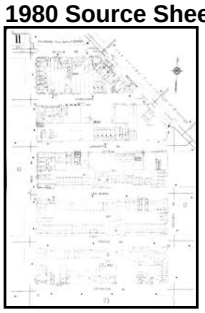

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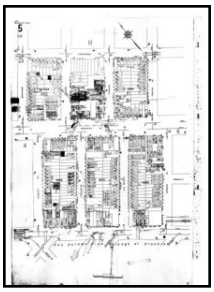

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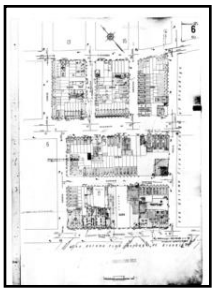

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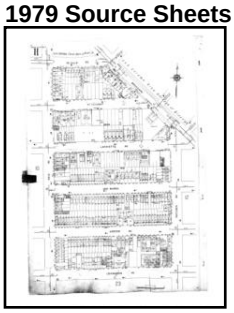

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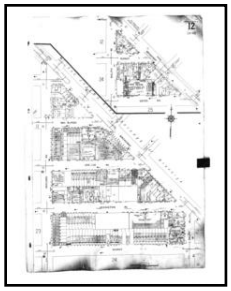

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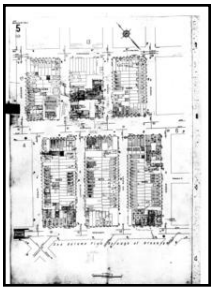

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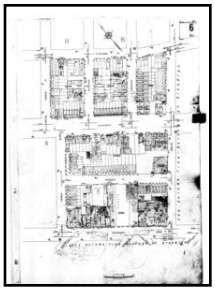

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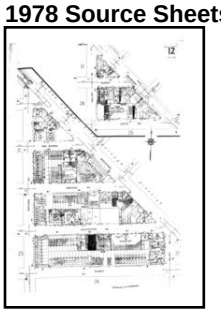

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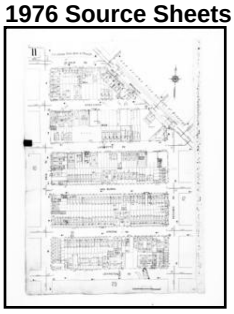

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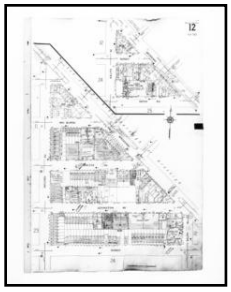

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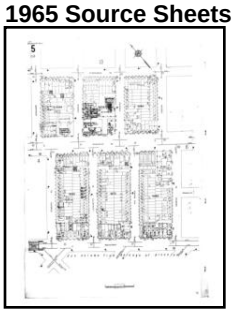

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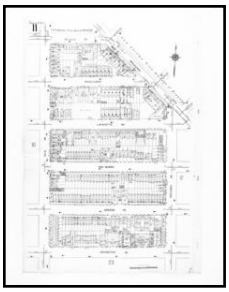

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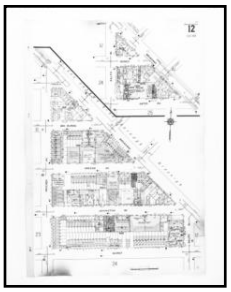

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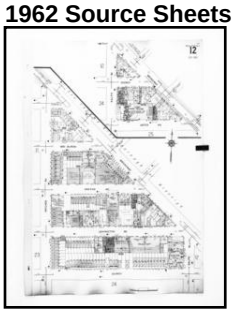

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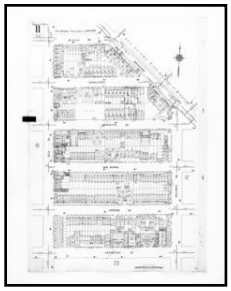

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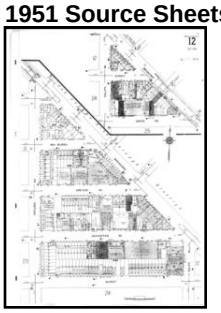

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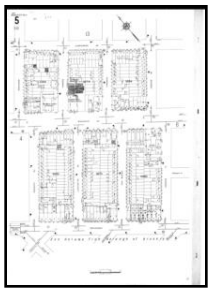

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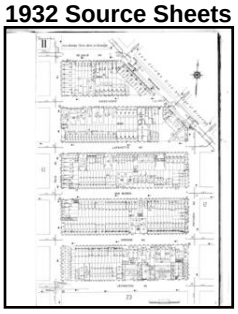

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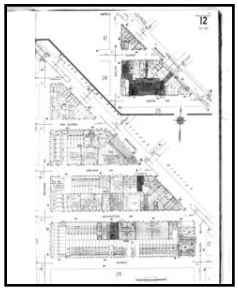

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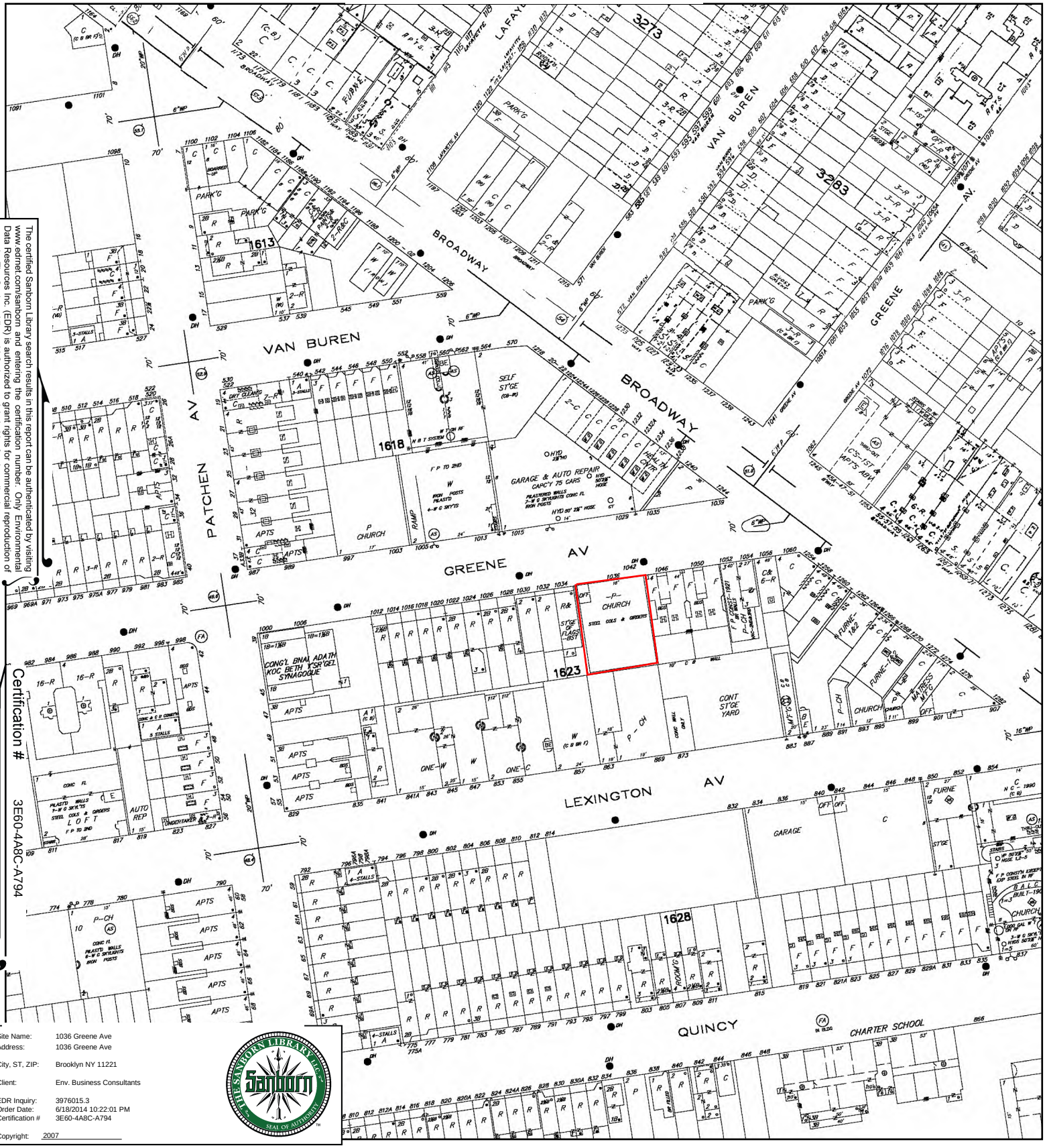

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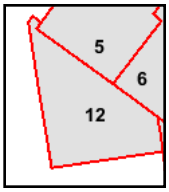

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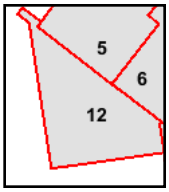

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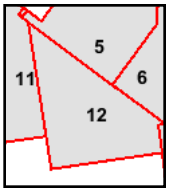

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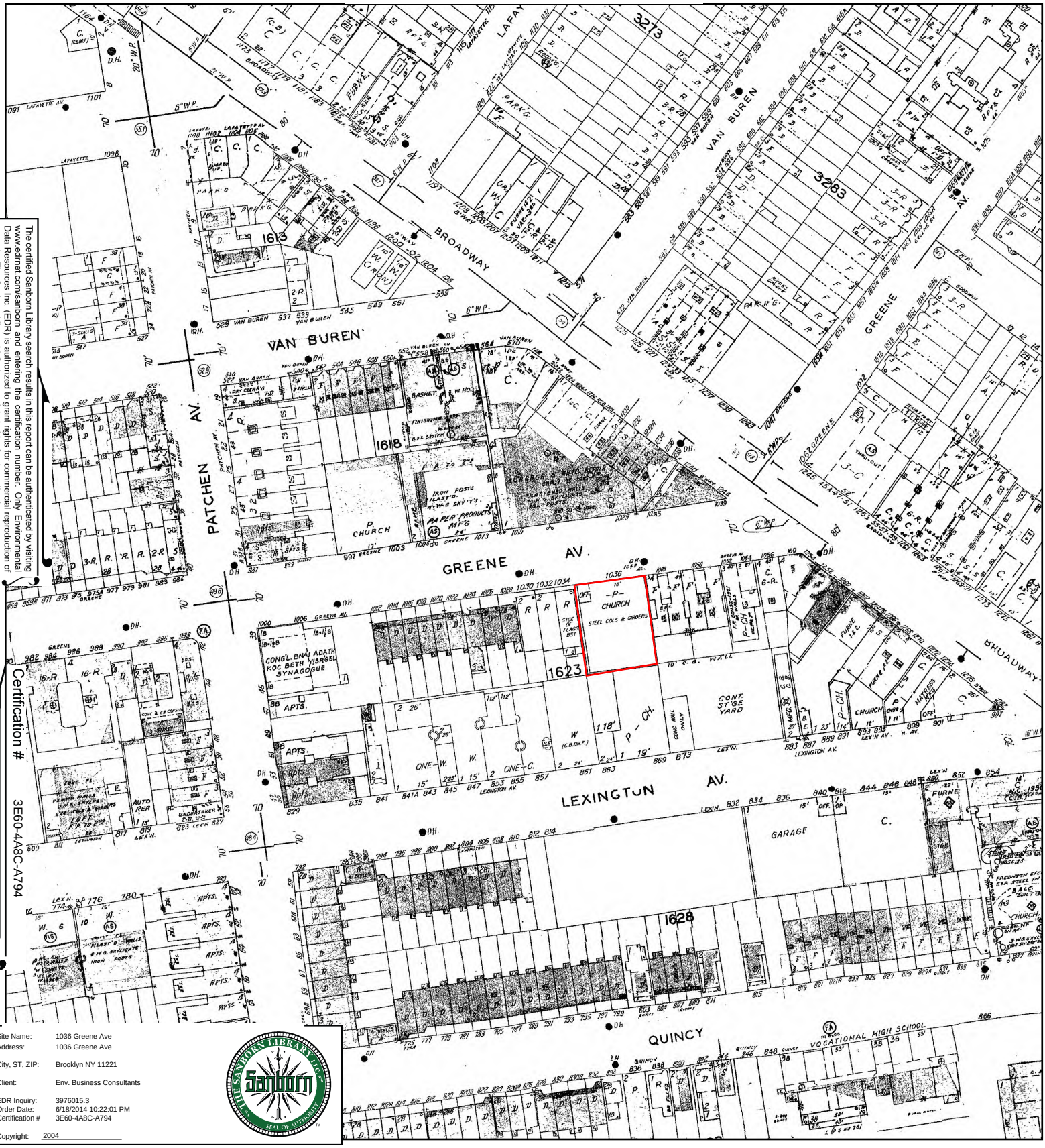

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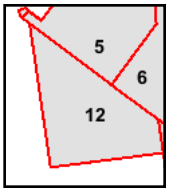

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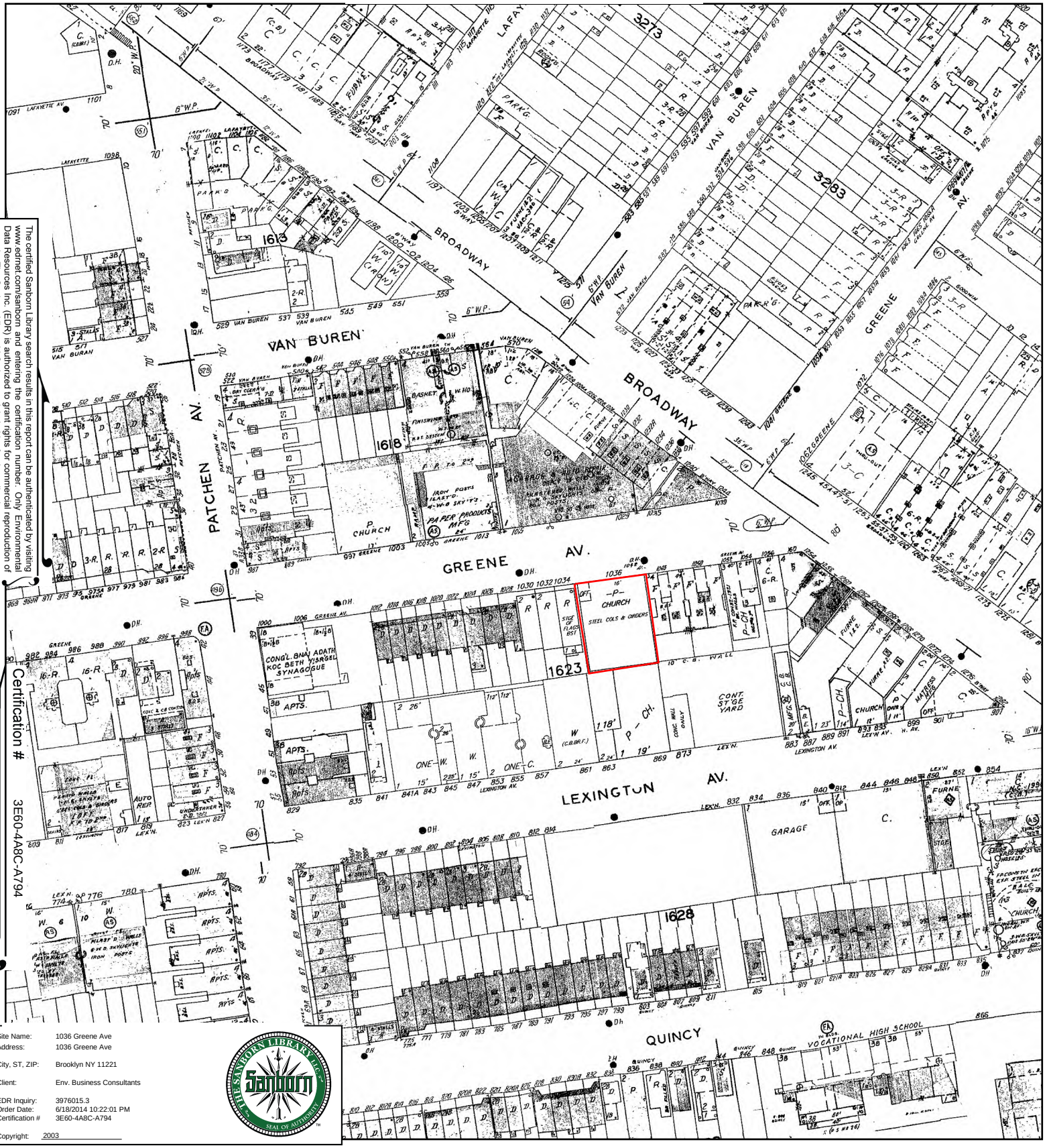

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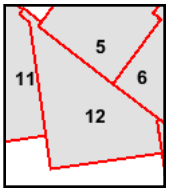

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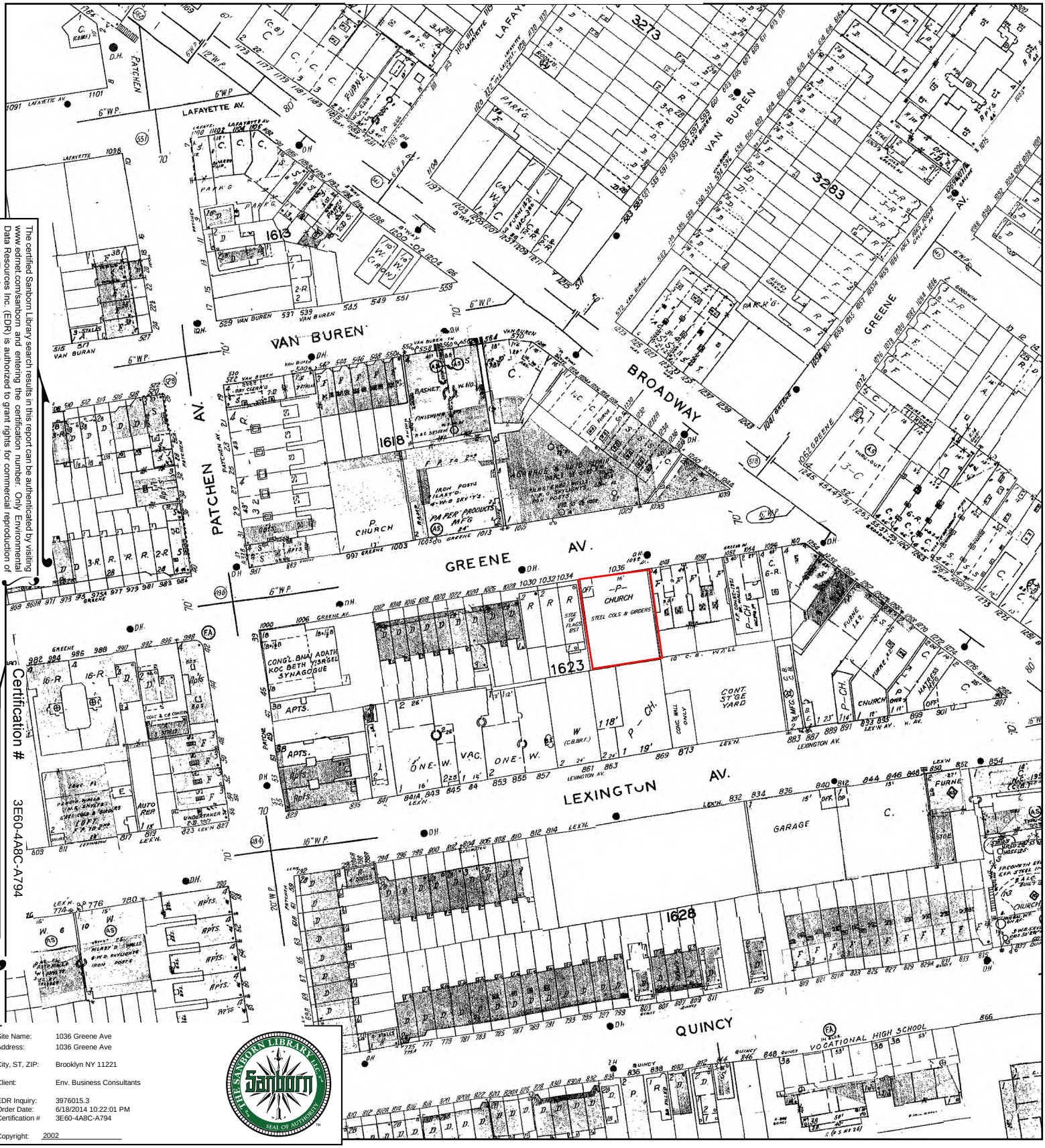

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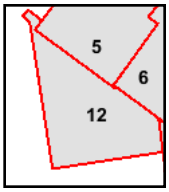

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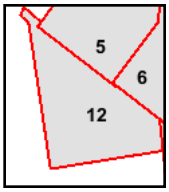

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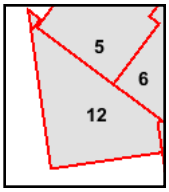

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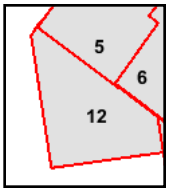

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1992 Certified Sanborn Map

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Site Name:	1036 Greene Ave
Address:	1036 Greene Ave
City, ST, ZIP:	Brooklyn NY 11221
Client:	Env. Business Consultants
EDR Inquiry:	3976015.3
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Certification #	3E60-4A8C-A794
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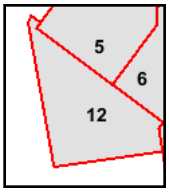

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Copyright:	1991

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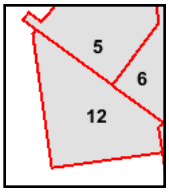

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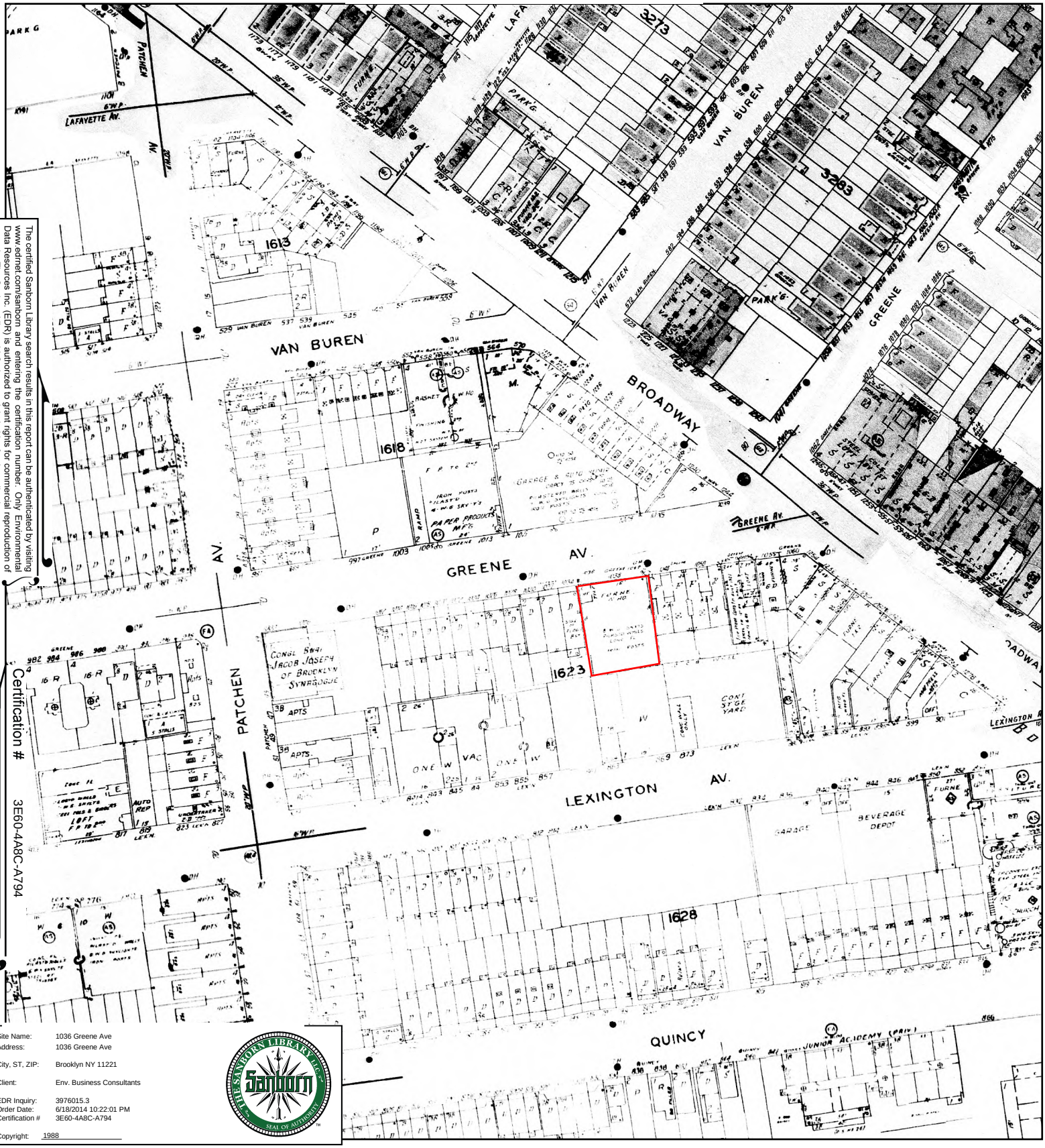

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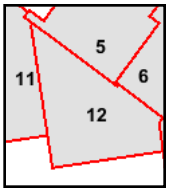

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Address:	1036 Greene Ave
City, ST, ZIP:	Brooklyn NY 11221
Client:	Env. Business Consultants
EDR Inquiry:	3976015.3
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Copyright:	1987

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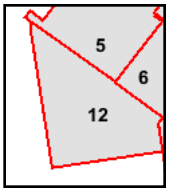

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N

1982 Certified Sanborn Map

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Address:	1036 Greene Ave
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Client:	Env. Business Consultants
EDR Inquiry:	3976015.3
Order Date:	6/18/2014 10:22:01 PM
Certification #	3E60-4A8C-A794
Copyright:	1982

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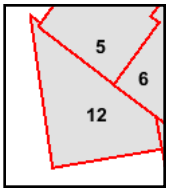

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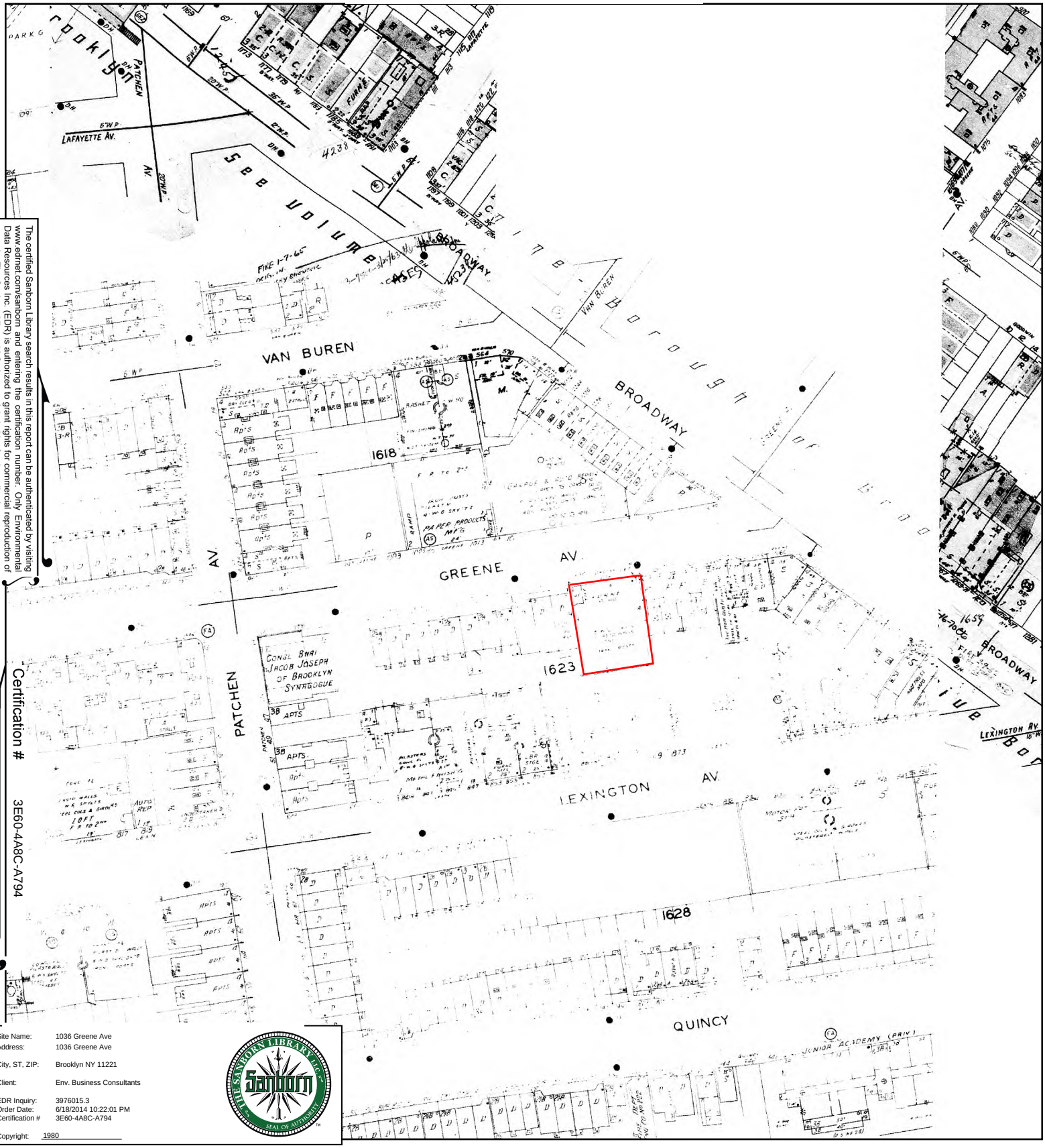
1980 Certified Sanborn Map



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EDR Inquiry:	3976015.3
Order Date:	6/18/2014 10:22:01 PM
Certification #	3E60-4A8C-A794
Copyright:	1980

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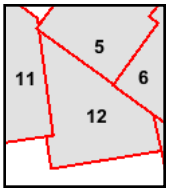

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N

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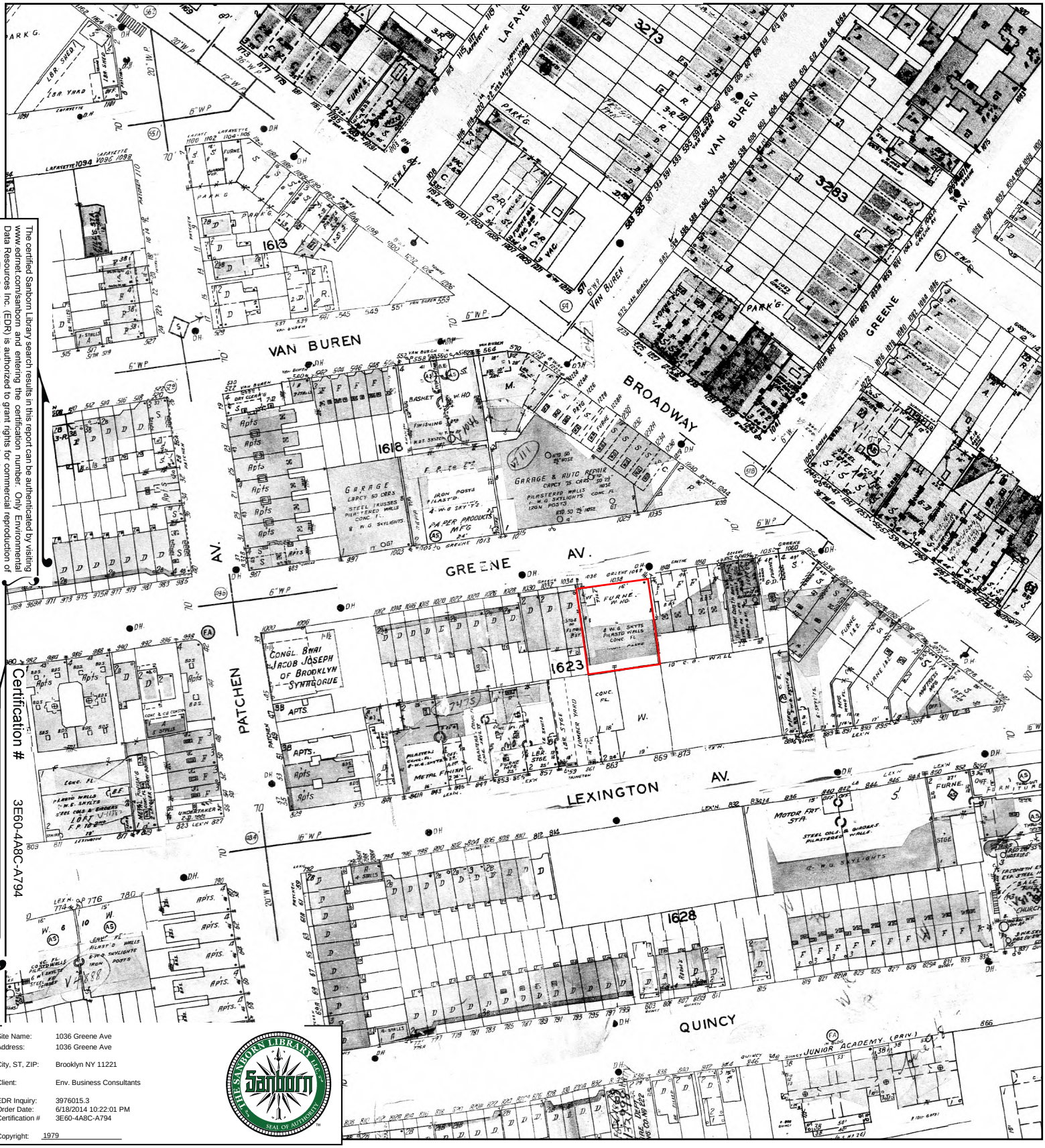

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Certification #	3E60-4A8C-A794
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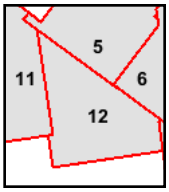

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N

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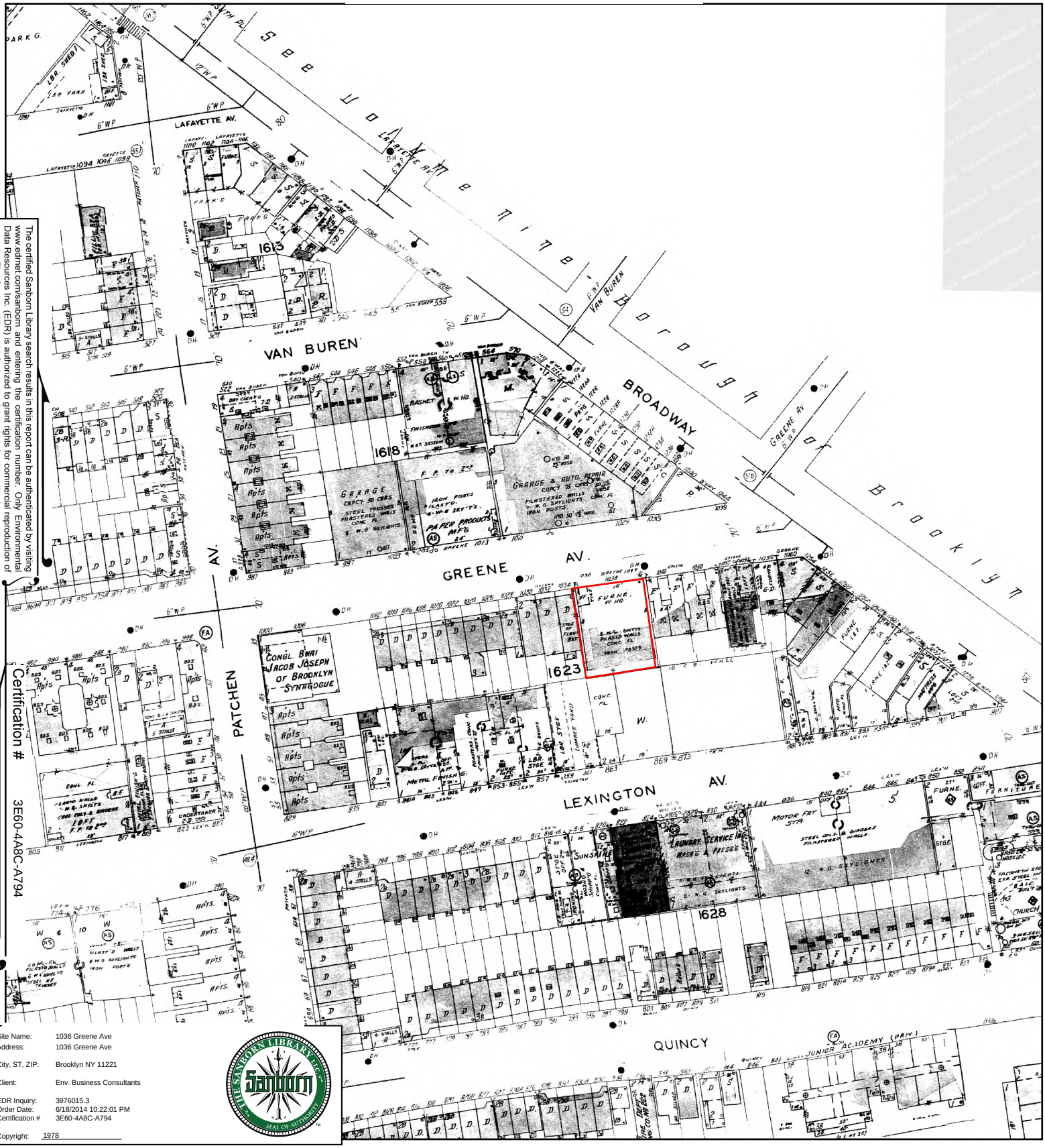

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City, ST, ZIP:	Brooklyn NY 11221
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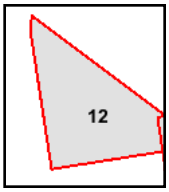

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1976 Certified Sanborn Map

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Copyright:	1976

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Outlined areas indicate map sheets within the collection.

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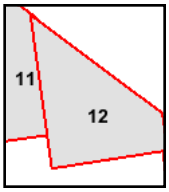

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1965 Certified Sanborn Map

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City, ST, ZIP:	Brooklyn NY 11221
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Certification #	3E60-4A8C-A794
Copyright:	1965

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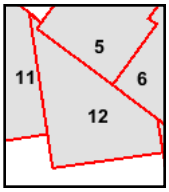

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1962 Certified Sanborn Map

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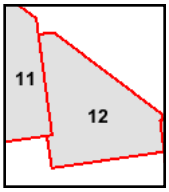

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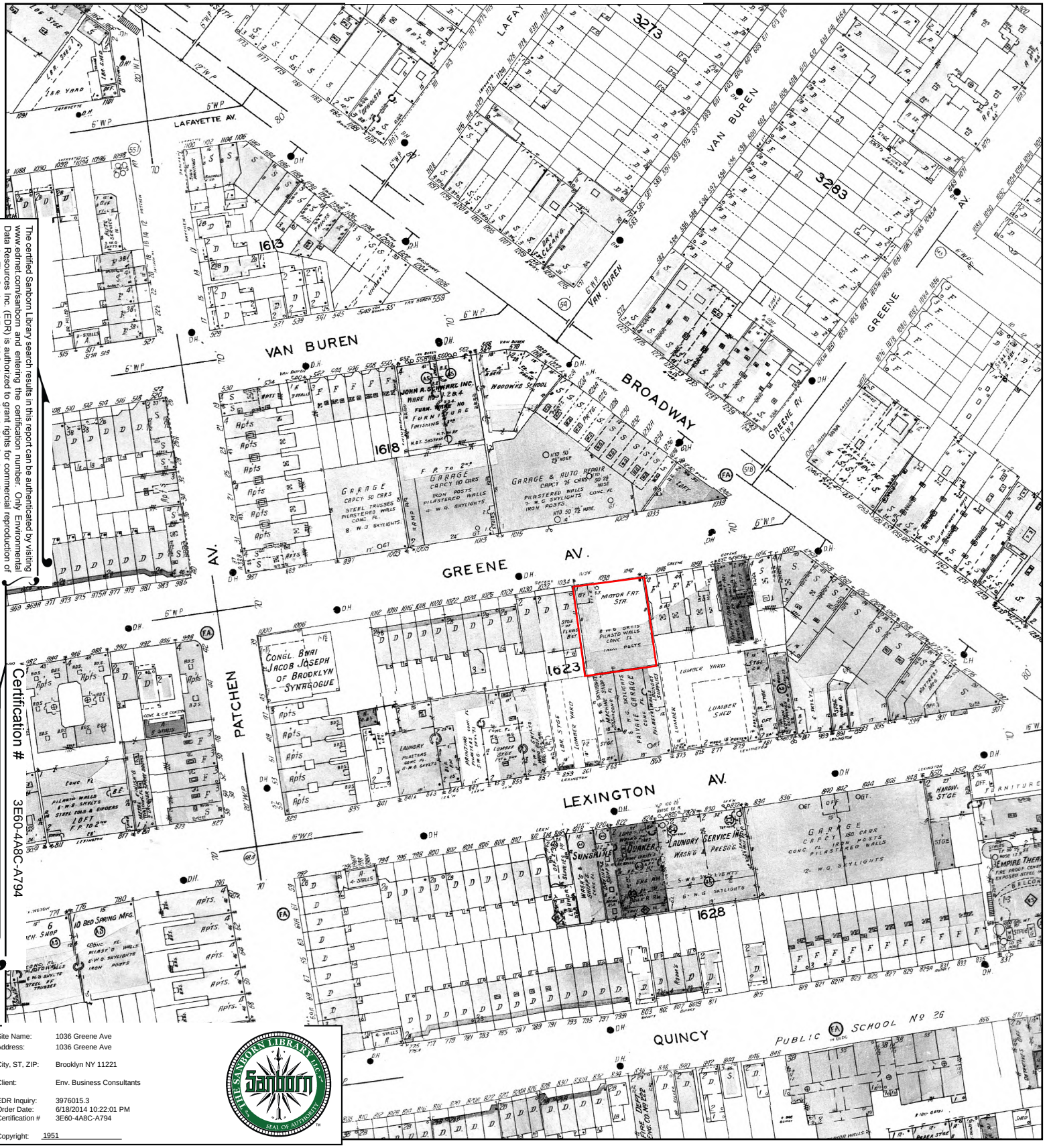
1951 Certified Sanborn Map



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Address:	1036 Greene Ave
City, ST, ZIP:	Brooklyn NY 11221
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Order Date:	6/18/2014 10:22:01 PM
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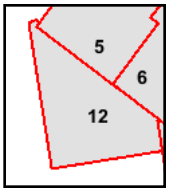

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Order Date:	6/18/2014 10:22:01 PM
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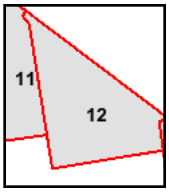

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1908 Certified Sanborn Map

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Client:	Env. Business Consultants
EDR Inquiry:	3976015.3
Order Date:	6/18/2014 10:22:01 PM
Certification #	3E60-4A8C-A794
Copyright:	1908

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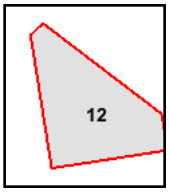

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1888 Certified Sanborn Map

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Copyright:	1888

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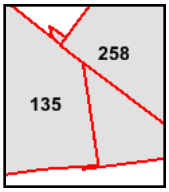

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APPENDIX D

HISTORIC CITY DIRECTORY SEARCH

1036 Greene Ave

1036 Greene Ave
Brooklyn, NY 11221

Inquiry Number: 3976015.5
June 18, 2014

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1928 through 2013. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 100 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2013	Cole Information Services	-	X	X	-
2008	Cole Information Services	-	X	X	-
2005	Hill-Donnelly Corporation	-	X	X	-
2000	Cole Information Services	-	X	X	-
1997	NYNEX	-	X	X	-
1992	NYNEX Informantion Resource Co.	-	X	X	-
1985	NYNEX Information Resources Company	-	X	X	-
1980	New York Telephone	X	X	X	-
1976	New York Telephone	-	X	X	-
1973	New York Telephone	X	X	X	-
1970	New York Telephone	X	X	X	-
1965	New York Telephone	-	X	X	-
1960	New York Telephone	-	X	X	-
	New York Telephone Company	-	X	X	-
1949	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1945	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1940	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1934	R. L. Polk & Co.	-	X	X	-
	R. L. Polk & Co.	X	X	X	-
1928	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

Address	***Type***	***Findings***
1038 greene ave	Client Entered	X
1034 greene ave	Client Entered	X
1046 greene ave	Client Entered	X
1003 green ave	Client Entered	X
869 LEXINGTON AVENUE	Client Entered	X

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

1036 Greene Ave
Brooklyn, NY 11221

FINDINGS DETAIL

Target Property research detail.

GREENE AVE

1036 GREENE AVE

Year	*Uses*	*Source*
1980	ALW TRUCKING & EXPRESS COINC	New York Telephone
1973	Adee Transport Corp	New York Telephone
1970	Adee Transport Corp	New York Telephone

greene ave

1038 greene ave

Year	*Uses*	*Source*
1949	CAB Delivery Corp	New York Telephone
1945	Dunn Mrs	New York Telephone
	Greene & Bway Garage	New York Telephone
1940	Greene & Bway Garage	New York Telephone
	Wexler Albert garage	New York Telephone
1934	GREENE WM & BWAY GRAGE	R. L. Polk & Co.
1928	GREENE & BROADWAY GARAGE	New York Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

green ave

1003 green ave

Year	Uses	Source
1965	Hudson Garage	New York Telephone
1960	HUDSON GARAGE	New York Telephone
	Hudson Garage	New York Telephone Company
1949	Schwahl Frank garage	New York Telephone
	Hudson Garage	New York Telephone
1945	Schwahl Frank & Son garage	New York Telephone
	Hudson Garage	New York Telephone
1940	Schwahl Frank & Son garage	New York Telephone
	Hudson Garage	New York Telephone
1934	HUDSON GARAGE	R. L. Polk & Co.
1928	SCHWAHL FRANK GARAGE	New York Telephone

GREEN AVE

1015 GREEN AVE

Year	Uses	Source
1960	INDENNDNT GARAGE	New York Telephone
1928	WILLIAMS GARAGE	New York Telephone

1030 GREEN AVE

Year	Uses	Source
1960	HINTON MABEL L	New York Telephone
	MAYHEW SYLVANIA	New York Telephone
1934	FUREY JACK H	R. L. Polk & Co.

GREENA AVE

1050 GREENA AVE

Year	Uses	Source
1934	DANE ROBERTINE R	R. L. Polk & Co.

FINDINGS

GREENE

1050 GREENE

Year	Uses	Source
1934	ROTH MIRIAM STEN R	R. L. Polk & Co.

GREENE AVE

1032 GREENE AVE

Year	Uses	Source
2005	Hopson Marie	Hill-Donnelly Corporation
2000	M VARGAS	Cole Information Services
	OSUALDO ALVES	Cole Information Services
1976	ZAYAS JOSE A	New York Telephone
1973	Rodriguez Adalina	New York Telephone
1965	Santiago Serafin	New York Telephone
	Miranda Obelisa Mrs	New York Telephone
1949	Spinello Santo	New York Telephone
1940	Sala Frank	New York Telephone
1934	SCARDINO CARMELO BARBER	R. L. Polk & Co.
1928	ADAMO JOHN MUSCL DIRCTR	New York Telephone

greene ave

1034 greene ave

Year	Uses	Source
2005	No Current Listing	Hill-Donnelly Corporation
2000	RELANDO LYNTON	Cole Information Services
1997	GREEN S	NYNEX
	LYNTON Relando	NYNEX
1992	WILLIAMS SARAH	NYNEX Informantion Resource Co.
1985	MORRIS ELISA	NYNEX Information Resources Company
1976	BRYANT LINDA	New York Telephone
1949	Dedreux Alfred decrtr	New York Telephone
	Kuck Ruth	New York Telephone
1945	Dedrex Frank decrtr	New York Telephone
	Dedreux Frank decrtr	New York Telephone
	Kuck Ruth	New York Telephone
1940	Dedreux Frank decor	New York Telephone
1934	KUCK HAROLD J CLK R	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	DEDREUX FRANK DECORATOR H DO	R. L. Polk & Co.
	DEDREUX ETHEL R	R. L. Polk & Co.
1928	DEDREUX FRANK DOCOR	New York Telephone
	DEDREUX ETHEL MISS R	New York Telephone
	KUCK RUTH MISS R	New York Telephone

GREENE AVE

1040 GREENE AVE

Year	Uses	Source
1960	Caple Willie	New York Telephone Company

greene ave

1046 greene ave

Year	Uses	Source
2005	Multi Unit Address	Hill-Donnelly Corporation
	A Aleem Construction Corp	Hill-Donnelly Corporation
	Abodeen S	Hill-Donnelly Corporation
	Garland Donnetta	Hill-Donnelly Corporation
	Gibson John	Hill-Donnelly Corporation
	Number2 C h Mccrimon Robert	Hill-Donnelly Corporation
	Number18 h Nyquist Ellazabeth	Hill-Donnelly Corporation
	Pa ne Helen	Hill-Donnelly Corporation
	Red Dwight v	Hill-Donnelly Corporation
	Number3 C h Ward D	Hill-Donnelly Corporation
2000	APARTMENTS	Cole Information Services
	CYNTHIA BALLARD	Cole Information Services
	4A ROBERT CAMPBELL	Cole Information Services
	2A ANTONIO R JAMES	Cole Information Services
	BLANCA SOSA	Cole Information Services
	3C D WARD	Cole Information Services
1997	ZABALA Diana	NYNEX
	JAMES Antonio R	NYNEX
	WARD D	NYNEX
	WHITE Sarsha	NYNEX
	CAMPBELL Robert	NYNEX
1992	OBIE LAVONOA	NYNEX Informantion Resource Co.
	CAMPBELL ROBERT	NYNEX Informantion Resource Co.

FINDINGS

Year	Uses	Source
1992	WARD D	NYNEX Informantion Resource Co.
	STARKS D	NYNEX Informantion Resource Co.
1985	WARD D	NYNEX Information Resources Company
	YORKER TYRONE	NYNEX Information Resources Company
	GIBSON CAROL	NYNEX Information Resources Company
1980	HILL SANDY	New York Telephone
	WARD D	New York Telephone
1976	LEE FANNIE	New York Telephone
	PENA ANTONIO	New York Telephone
1973	Dove Louis	New York Telephone
	Doran John Mrs	New York Telephone
	Santiago Ramon	New York Telephone
	Ellis Francis	New York Telephone
	Carey Bessie	New York Telephone
1970	Dove Louis	New York Telephone
	Lawson Bessie	New York Telephone
	Carey Beesie	New York Telephone
	Santiago Ramon	New York Telephone
	Johnson P	New York Telephone
	Manghan Helen Mrs	New York Telephone
	Singatory D	New York Telephone
	Cummings Eugene	New York Telephone
1965	Darden Jas	New York Telephone
	Dove Louis	New York Telephone
	Diaz Jesus	New York Telephone
	Ramos Paula	New York Telephone
	Santiago Ramon	New York Telephone
	Manghan Helen Mrs	New York Telephone
1960	KRAMER MARGARET	New York Telephone
	HARMAN KATHERINE	New York Telephone
	Torres Armando	New York Telephone Company
	Pacheco Hilda	New York Telephone Company
	Zeller Fredk	New York Telephone Company
	Manghan Helen Mrs	New York Telephone Company
	Kramer Margaret	New York Telephone Company
	Harman Katherine	New York Telephone Company
	Negro Marguerita Mrs	New York Telephone Company
	Rivera Maria	New York Telephone Company

FINDINGS

Year	Uses	Source
1960	Azzarello Chas	New York Telephone Company
1949	Betron Frank	New York Telephone
	Hutter Albert	New York Telephone
	Maurer Rose Mrs	New York Telephone
	Julian Jack	New York Telephone
	Meyerhoff Edwin	New York Telephone
	Muehlberg M E	New York Telephone
	Boldt Louis	New York Telephone
1945	Muehlbery Martha Miss	New York Telephone
1940	Hutter Albert	New York Telephone
1934	STEUERNAGEL OTTO CHAUF H	R. L. Polk & Co.
	KANE WM R	R. L. Polk & Co.
	CARPENTER HARRY H	R. L. Polk & Co.
	DEWITT EMANA R	R. L. Polk & Co.
	DEWITT SAML R	R. L. Polk & Co.
	PATCHEN CLYDE MGR H	R. L. Polk & Co.
	PATCHEN CLYDE JR CLK R	R. L. Polk & Co.
	PATCHEN FLORENCE OPR R	R. L. Polk & Co.
	LITENER THERESA H	R. L. Polk & Co.
	CLYDE PATCHAN CLK R	R. L. Polk & Co.
	STIMKE ROBT H	R. L. Polk & Co.
	WAIBEL MARTIN NURSE H DO	R. L. Polk & Co.
	WILBER ELLA CLK R	R. L. Polk & Co.
1928	TOBIN JAS P R	New York Telephone

GREENE AVE

1050 GREENE AVE

Year	Uses	Source
2005	h Guzman Jesus	Hill-Donnelly Corporation
	h Mc Fadgen M	Hill-Donnelly Corporation
2000	APARTMENTS	Cole Information Services
	1 JESUS GUZMAN	Cole Information Services
	1 MARIA GUZMAN	Cole Information Services
	3 MERCEDES JAQUEZ	Cole Information Services
	5 M MC FADGEN	Cole Information Services
	7 MILDRED ORTIZ	Cole Information Services
1997	COLON Naim	NYNEX
	EVANGELISTA Ramon	NYNEX

FINDINGS

Year	Uses	Source
1997	GUZMAN Jesus	NYNEX
	HERRERA Aldoffa	NYNEX
	JAQUEZ Mercedes	NYNEX
	MCFADDIN M	NYNEX
	TEJADA Bilkis	NYNEX
1992	CASTRO RAOUL	NYNEX Informantion Resource Co.
	EVANGELISTA RAMON	NYNEX Informantion Resource Co.
	ORTIZ MILDRED	NYNEX Informantion Resource Co.
	PENA BERNARDO	NYNEX Informantion Resource Co.
	PENA SAL	NYNEX Informantion Resource Co.
	R & C PAINTING	NYNEX Informantion Resource Co.
1985	ORTIZ MILDRED	NYNEX Information Resources Company
	PENA BEMARDO	NYNEX Information Resources Company
1976	MOSS B	New York Telephone
	PENA D	New York Telephone
1973	Bannister Fitz H	New York Telephone
	Goodrich Drusilla	New York Telephone
	Pena D	New York Telephone
	Shaw Catherine	New York Telephone
1970	Bannister Fitz H	New York Telephone
	Fields Leonie	New York Telephone
	Gifford Bernice	New York Telephone
	Goodrich Drusilla	New York Telephone
	Shaw Catherine	New York Telephone
	Smith Louise	New York Telephone
1965	Bannister Fitz H	New York Telephone
	Cohen Jean	New York Telephone
	Fields Leonie	New York Telephone
	Goodridge Drusille Mrs	New York Telephone
	Johnson Henry	New York Telephone
	Shaw Catherine	New York Telephone
	Washington Mildred	New York Telephone
	Williams John	New York Telephone
1960	KOCHAN H J	New York Telephone
	Duggins L M Mrs	New York Telephone Company
	James Lionel	New York Telephone Company
	Kochan H J	New York Telephone Company
	Smith Retha	New York Telephone Company

FINDINGS

Year	Uses	Source
1949	Dreyer Marvin	New York Telephone
	Greenberg Roslyn Mrs	New York Telephone
	Kochan Wm J	New York Telephone
1945	Adler R	New York Telephone
	Fearon Wm A	New York Telephone
	Nerzig F	New York Telephone
1940	Lazarus Louis	New York Telephone
1934	BENDER EDW ADVERTISER H	R. L. Polk & Co.
	CAMPUS	R. L. Polk & Co.
	CAMPUS	R. L. Polk & Co.
	DALTON JAS R	R. L. Polk & Co.
	EVERT MAX PLATE STR H	R. L. Polk & Co.
	EVERT RUTH INVESTIGATOR DEPT PUBLIC WELFARE R	R. L. Polk & Co.
	EVERT SADIE R	R. L. Polk & Co.
	EVERT SAML R	R. L. Polk & Co.
	EVERT SIDNEY GLAZIER R	R. L. Polk & Co.
	PATERNO ANDREW CLK H	R. L. Polk & Co.
	PATERNO ANGELINO OPR SHOES R	R. L. Polk & Co.
	PATERNO CHAS SHOE REPR H	R. L. Polk & Co.
	PATERNO ROSE STEN R	R. L. Polk & Co.
	SARO CHAUF H	R. L. Polk & Co.
	ROTH CHAS OPR H	R. L. Polk & Co.
	ROTH NETTIE R	R. L. Polk & Co.
	ROTH SAML CLK R	R. L. Polk & Co.
1928	BERLAGE G R	New York Telephone
	BYRON M MRS R	New York Telephone
	CAHILL JOHN J R	New York Telephone
	LANGTON CHAS R	New York Telephone
	RAGL JOHN R	New York Telephone

1052 GREENE AVE

Year	Uses	Source
2013	CHARLES CHURN CHRISTIAN CENTER	Cole Information Services
2008	CHURN CHARLES CHRISTIAN CENTER	Cole Information Services

997 GREENE AVE

Year	Uses	Source
1970	Spark Car Svce	New York Telephone

FINDINGS

GREENS AVE

1030 GREENS AVE

Year	Uses	Source
1934	NEEDHAM JOS MEATCHR R	R. L. Polk & Co.

LEXINGTON AVE

869 LEXINGTON AVE

Year	Uses	Source
2013	CHRIST APOSTOLIC CHURCH	Cole Information Services
2008	CHRIST APOSTOLIC CHURCH MRCL CENTER	Cole Information Services

LEXINGTON AVENUE

869 LEXINGTON AVENUE

Year	Uses	Source
2005	Christ Apostolic Church	Hill-Donnelly Corporation
1973	Valencia Bakery Inc	New York Telephone

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
1036 Greene Ave	2013, 2008, 2005, 2000, 1997, 1992, 1985, 1976, 1965, 1960

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
1003 green ave	2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970
1015 GREEN AVE	2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934
1030 GREEN AVE	2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1928
1030 GREENS AVE	2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
1032 GREENE AVE	2013, 2008, 1997, 1992, 1985, 1980, 1970, 1960, 1945
1034 greene ave	2013, 2008, 1980, 1973, 1970, 1965, 1960
1040 GREENE AVE	2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
1046 greene ave	2013, 2008
1050 GREENA AVE	2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
1050 GREENE	2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
1050 GREENE AVE	2013, 2008, 1980
1052 GREENE AVE	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
869 LEXINGTON AVE	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
869 LEXINGTON AVENUE	2013, 2008, 2000, 1997, 1992, 1985, 1980, 1976, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
997 GREENE AVE	2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1965, 1960, 1949, 1945, 1940, 1934, 1928

APPENDIX E

EDR RADIUS MAP REPORT

1036 Greene Ave
1036 Greene Ave
Brooklyn, NY 11221

Inquiry Number: 3976015.2s
June 18, 2014

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
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Physical Setting Source Map	A-7
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Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1036 GREENE AVE
BROOKLYN, NY 11221

COORDINATES

Latitude (North):	40.6912000 - 40˚ 41' 28.32''
Longitude (West):	73.9265000 - 73˚ 55' 35.40''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	590706.2
UTM Y (Meters):	4504821.0
Elevation:	56 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	40073-F8 BROOKLYN, NY
Most Recent Revision:	1995

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	2010, 2011
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List

EXECUTIVE SUMMARY

Proposed NPL ..... Proposed National Priority List Sites
NPL LIENS ..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ..... National Priority List Deletions

Federal CERCLIS list

CERCLIS ..... Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY ..... Federal Facility Site Information listing

Federal RCRA CORRACTS facilities list

CORRACTS ..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ..... RCRA - Treatment, Storage and Disposal

Federal institutional controls / engineering controls registries

US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROL ..... Sites with Institutional Controls
LUCIS ..... Land Use Control Information System

Federal ERNS list

ERNS ..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

NY VAPOR REOPENED ..... Vapor Intrusion Legacy Site List

State and tribal landfill and/or solid waste disposal site lists

NY SWF/LF ..... Facility Register

State and tribal leaking storage tank lists

NY HIST LTANKS ..... Listing of Leaking Storage Tanks
INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

NY TANKS ..... Storage Tank Faciliy Listing
NY CBS UST ..... Chemical Bulk Storage Database
NY MOSF UST ..... Major Oil Storage Facilities Database
NY CBS AST ..... Chemical Bulk Storage Database
NY MOSF AST ..... Major Oil Storage Facilities Database
NY MOSF ..... Major Oil Storage Facility Site Listing
NY CBS ..... Chemical Bulk Storage Site Listing
INDIAN UST ..... Underground Storage Tanks on Indian Land
FEMA UST ..... Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

NY ENG CONTROLS ..... Registry of Engineering Controls

EXECUTIVE SUMMARY

NY INST CONTROL..... Registry of Institutional Controls
NY RES DECL..... Restrictive Declarations Listing

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

NY ERP..... Environmental Restoration Program Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory
NY SWRCY..... Registered Recycling Facility List
NY SWTIRE..... Registered Waste Tire Storage & Facility List
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs
NY DEL SHWS..... Delisted Registry Sites
US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information
NY LIENS..... Spill Liens Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
NY Hist Spills..... SPILLS Database
NY SPILLS 90..... SPILLS 90 data from FirstSearch
NY SPILLS 80..... SPILLS 80 data from FirstSearch

Other Ascertainable Records

DOT OPS..... Incident and Accident Data
DOD..... Department of Defense Sites
FUDS..... Formerly Used Defense Sites
CONSENT..... Superfund (CERCLA) Consent Decrees
ROD..... Records Of Decision
UMTRA..... Uranium Mill Tailings Sites
US MINES..... Mines Master Index File
TRIS..... Toxic Chemical Release Inventory System
TSCA..... Toxic Substances Control Act

EXECUTIVE SUMMARY

FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS	Section 7 Tracking Systems
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
RADINFO	Radiation Information Database
RAATS	RCRA Administrative Action Tracking System
RMP	Risk Management Plans
NY HSWDS	Hazardous Substance Waste Disposal Site Inventory
NY UIC	Underground Injection Control Wells
NY SPDES	State Pollutant Discharge Elimination System
NY AIRS	Air Emissions Data
INDIAN RESERV	Indian Reservations
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
NY Financial Assurance	Financial Assurance Information Listing
NY COAL ASH	Coal Ash Disposal Site Listing
2020 COR ACTION	2020 Corrective Action Program List
LEAD SMELTERS	Lead Smelter Sites
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
PRP	Potentially Responsible Parties

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

NY RGA HWS	Recovered Government Archive State Hazardous Waste Facilities List
NY RGA LF	Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 03/11/2014 has revealed that there are 2 RCRA-LQG sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON - MANHOLE 2292	987 GREENE AVE	W 0 - 1/8 (0.060 mi.)	E26	77
PUBLIC SCHOOL 309K	7794 MONROE ST	SSE 1/8 - 1/4 (0.215 mi.)	Y115	289

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/11/2014 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RODRIGUEZ DRY CLEANERS	***19 PATCHEN AVE***	***WNW 0 - 1/8 (0.081 mi.)***	***I44***	***122***

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 03/11/2014 has revealed that there are 2 RCRA-CESQG sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON MANHOLE: 16633	***792 QUINCY ST FRONT OF***	***SW 1/8 - 1/4 (0.142 mi.)***	***P67***	***189***
CON EDISON	71 MALCOLM X BLVD	W 1/8 - 1/4 (0.225 mi.)	120	292

EXECUTIVE SUMMARY

State- and tribal - equivalent CERCLIS

NY SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Conservation's Inactive Hazardous waste Disposal Sites in New York State.

A review of the NY SHWS list, as provided by EDR, and dated 05/19/2014 has revealed that there are 2 NY SHWS sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
NYSDEC SOIL INVESTIGATION	***192 RALPH AVE***	***SSE 1/2 - 1 (0.585 mi.)***	***158***	***365***
Class Code: Significant threat to the public health or environment - action required.				
TECHNICAL METAL FINISHERS	***214 STARR STREET***	***N 1/2 - 1 (0.975 mi.)***	***159***	***383***

State and tribal leaking storage tank lists

NY LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the NY LTANKS list, as provided by EDR, and dated 05/19/2014 has revealed that there are 28 NY LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MALDEN BRICKYARD	***RTE 9W***	***ENE 0 - 1/8 (0.053 mi.)***	***A20***	***65***
Spill Number/Closed Date: 8602218 / 9/1/1986				
1081 LAFAYETTE AVE	1081 LAFAYETTE AVE	NW 1/8 - 1/4 (0.150 mi.)	N71	195
Spill Number/Closed Date: 9609628 / 11/1/1996				
23 HIMROD ST	23 HIMROD ST	NNE 1/8 - 1/4 (0.233 mi.)	AC127	303
Spill Number/Closed Date: 9202073 / 5/20/1992				
STUYVESANT GARDENS	***875 GATES AVENUE***	***SW 1/4 - 1/2 (0.308 mi.)***	***139***	***326***
Spill Number/Closed Date: 9603356 / Not Reported				
CLOSED-LACKOF RECENT INFO	26 LAWTON STREET	NW 1/4 - 1/2 (0.347 mi.)	142	332
Spill Number/Closed Date: 9103589 / 3/5/2003				
BASEMENT FLOOR - CONCRETE	***531 KOSCIUSKO STREET***	***WNW 1/4 - 1/2 (0.360 mi.)***	***143***	***333***
Spill Number/Closed Date: 9702904 / 2/19/2003				
JHS 57-K	***125 STUYVESANT AVE***	***W 1/4 - 1/2 (0.377 mi.)***	***146***	***340***
Spill Number/Closed Date: 9605970 / 7/14/2005				
Spill Number/Closed Date: 9305256 / 3/10/2003				
850 GREEN AVE	850 GREEN AVE	W 1/4 - 1/2 (0.406 mi.)	151	354
Spill Number/Closed Date: 0612617 / 5/30/2007				
ROSE OF SHARON CHURCH	1007 BROADWAY	NW 1/4 - 1/2 (0.483 mi.)	156	360
Spill Number/Closed Date: 9702141 / 3/10/2003				
STUYVESANT GARDENS -NYCHA	***734 GATES AVENUE***	***WSW 1/4 - 1/2 (0.490 mi.)***	***157***	***361***
Spill Number/Closed Date: 9100104 / 11/10/2005				
Spill Number/Closed Date: 9804491 / 2/19/2003				

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
NYPD 81ST PCT Spill Number/Closed Date: 9513317 / 5/23/1997	18 RALPH AVE	SE 1/8 - 1/4 (0.149 mi.)	70	194
APARTMENT BLDG. Spill Number/Closed Date: 0400812 / 4/17/2006	940-950 GATES AVE	S 1/8 - 1/4 (0.152 mi.)	Q74	199
ENGINE CO. 222 FDNY -DDC Spill Number/Closed Date: 8910005 / 7/9/2002 Spill Number/Closed Date: 9703371 / 7/9/2002	32 RALPH AVENUE	SE 1/8 - 1/4 (0.185 mi.)	V94	249
931 GREENE AVE Spill Number/Closed Date: 0307063 / 11/21/2003	931 GREENE AVE	W 1/8 - 1/4 (0.192 mi.)	103	269
TANK ROOM - ENCLOSED TTF Spill Number/Closed Date: 0905563 / 10/7/2009	40 GROVE ST	E 1/8 - 1/4 (0.200 mi.)	W107	274
45 RALPH AVENUE Spill Number/Closed Date: 9405983 / 8/2/1994	45 RALPH AVENUE	SE 1/8 - 1/4 (0.206 mi.)	V110	279
17 PALMETTO ST Spill Number/Closed Date: 9512329 / 7/27/1998	17 PALMETTO ST	ESE 1/4 - 1/2 (0.318 mi.)	140	330
1070 BRUNSWICK AVE/NY TEL Spill Number/Closed Date: 9110108 / 4/28/2000	1070 BRUNSWICK AVE	E 1/4 - 1/2 (0.322 mi.)	141	331
1084 BUSHWICK AVE. Spill Number/Closed Date: 9208672 / 10/28/1992	***1084 BUSHWICK AVE***	***E 1/4 - 1/2 (0.365 mi.)***	***144***	***335***
1016 PUTNAM AVENUE Spill Number/Closed Date: 9412373 / 12/16/1994	1016 PUTNAM AVENUE	SE 1/4 - 1/2 (0.376 mi.)	145	338
PALMETTO Spill Number/Closed Date: 9102098 / 7/8/1996	85 PALMETTO STREET	E 1/4 - 1/2 (0.379 mi.)	147	346
119 LINDEN STREET Spill Number/Closed Date: 8809175 / 2/27/1989 Spill Number/Closed Date: 8909454 / 12/8/1992	119 LINDEN STREET	ENE 1/4 - 1/2 (0.388 mi.)	148	347
41 HOWARD AV / BKLN Spill Number/Closed Date: 8909247 / 10/7/1992	41 HOWARD AVE	SE 1/4 - 1/2 (0.397 mi.)	149	349
743 HANCOCK ST. Spill Number/Closed Date: 9207660 / 10/6/1992 Spill Number/Closed Date: 9010983 / 3/14/1991	***743 HANCOCK STREET***	***S 1/4 - 1/2 (0.405 mi.)***	***150***	***350***
296 CENTER AVENUE Spill Number/Closed Date: 9412104 / 12/10/1994	296 CENTER AVENUE	NE 1/4 - 1/2 (0.407 mi.)	152	355
RESIDENCE Spill Number/Closed Date: 0511584 / 2/8/2006	1097 PUTNAM AVE	ESE 1/4 - 1/2 (0.460 mi.)	153	356
742 HALSEY ST. Spill Number/Closed Date: 9401949 / 5/10/1994	742 HALSEY ST	SSE 1/4 - 1/2 (0.461 mi.)	154	358
766 HALSEY ST/BROOKLYN Spill Number/Closed Date: 8800334 / 2/27/1989	766 HALSEY STREET	SSE 1/4 - 1/2 (0.470 mi.)	155	359

EXECUTIVE SUMMARY

State and tribal registered storage tank lists

NY UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the NY UST list, as provided by EDR, and dated 03/31/2014 has revealed that there are 10 NY UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
B & Z STEEL EQUIPMENT	1003 GREENE AVE.	ENE 0 - 1/8 (0.044 mi.)	A3	17
1086-1098 LAFAYETTE AVE	1086-1098 LAFAYETTE AVE	NW 1/8 - 1/4 (0.139 mi.)	N65	179
MENORAH HOME AND HOSPITAL	871 BUSHWICK AVENUE	NNE 1/8 - 1/4 (0.180 mi.)	U89	235

Lower Elevation	Address	Direction / Distance	Map ID	Page
FIRST NIGERIAN SEVENTH-DAY ADV	***811 LEXINGTON AVENUE***	***WSW 0 - 1/8 (0.115 mi.)***	***L52***	***156***
METAL COLORS CORP	***770 LEXINGTON AVENUE***	***WSW 1/8 - 1/4 (0.126 mi.)***	***L58***	***166***
GP-UHAB HDFC	940-950 GATES AVENUE	S 1/8 - 1/4 (0.152 mi.)	Q75	202
KINGSBORO ADDICTION TREATMENT	754 LEXINGTON AVENUE	WSW 1/8 - 1/4 (0.158 mi.)	R80	214
FDNY ENGINE 222	32 RALPH AVENUE	SE 1/8 - 1/4 (0.185 mi.)	V92	243
81ST PCT	***30 RALPH AVENUE***	***SE 1/8 - 1/4 (0.185 mi.)***	***V97***	***256***
GOOD COUNSEL SRO RESIDENCE	***826 MADISON STREET***	***S 1/8 - 1/4 (0.244 mi.)***	***135***	***311***

NY AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the NY AST list, as provided by EDR, and dated 03/31/2014 has revealed that there are 15 NY AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WEACTH REALTY INC	552 VAN BUREN STREET	NNW 0 - 1/8 (0.057 mi.)	D25	75
1075 GREENE AVE	1075 GREENE AVENUE	NE 1/8 - 1/4 (0.136 mi.)	64	177
1050 LAFAYETTE AVE. CORP.	1050 LAFAYETTE AVE	WNW 1/8 - 1/4 (0.197 mi.)	106	272

Lower Elevation	Address	Direction / Distance	Map ID	Page
822 LEXINGTON AVENUE	822 LEXINGTON AVENUE	S 0 - 1/8 (0.050 mi.)	C9	33
ASSOCIATED SUPERMARKET	1291 BROADWAY	ESE 0 - 1/8 (0.120 mi.)	M56	163
METAL COLORS CORP	***770 LEXINGTON AVENUE***	***WSW 1/8 - 1/4 (0.126 mi.)***	***L58***	***166***
957 GREENE AVENUE	957 GREENE AVENUE	W 1/8 - 1/4 (0.132 mi.)	62	174
GP-UHAB HDFC	940-950 GATES AVENUE	S 1/8 - 1/4 (0.152 mi.)	Q73	197
DANIEL HALE WILLIAMS ASSOC	***969 GATES AVE***	***S 1/8 - 1/4 (0.155 mi.)***	***78***	***207***
KINGSBORO ALCOHOLISM TREATMENT	***754 LEXINGTON AVENUE***	***WSW 1/8 - 1/4 (0.158 mi.)***	***R79***	***210***
946 BUSHWICK AVE	946 BUSHWICK AVENUE	ENE 1/8 - 1/4 (0.180 mi.)	90	239
81ST PCT	***30 RALPH AVENUE***	***SE 1/8 - 1/4 (0.185 mi.)***	***V97***	***256***
GOOD SAMARITAN DCC	992 GATES AVENUE	SE 1/8 - 1/4 (0.189 mi.)	V101	265
12 BLEEKER STREET	***12 BLEECKER STREET***	***NE 1/8 - 1/4 (0.204 mi.)***	***X109***	***276***
P S 309	***794 MONROE ST***	***SSE 1/8 - 1/4 (0.215 mi.)***	***Y114***	***284***

EXECUTIVE SUMMARY

State and tribal Brownfields sites

NY BROWNFIELDS: Brownfields Site List

A review of the NY BROWNFIELDS list, as provided by EDR, and dated 05/19/2014 has revealed that there are 2 NY BROWNFIELDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FORMER GETTY SERVICE STATION N	***1103-1107 DEKALB AVENUE***	***NW 1/4 - 1/2 (0.288 mi.)***	***138***	***318***

Lower Elevation	Address	Direction / Distance	Map ID	Page
FORMER LEXINGTON LAUNDRY SERVI	***853 LEXINGTON AVENUE***	***SSW 0 - 1/8 (0.051 mi.)***	***C13***	***45***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

NY HIST UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the NY HIST UST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 5 NY HIST UST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FIRST NIGERIAN SEVENTH-DAY ADV	***811 LEXINGTON AVENUE***	***WSW 0 - 1/8 (0.115 mi.)***	***L52***	***156***
METAL COLORS CORP	***770 LEXINGTON AVENUE***	***WSW 1/8 - 1/4 (0.126 mi.)***	***L58***	***166***
KINGSBORO ALCOHOLISM TREATMENT	***754 LEXINGTON AVENUE***	***WSW 1/8 - 1/4 (0.158 mi.)***	***R79***	***210***
FDNY ENGINE 222	32 RALPH AVENUE	SE 1/8 - 1/4 (0.185 mi.)	V96	253
GOOD COUNSEL SRO RESIDENCE	***826 MADISON STREET***	***S 1/8 - 1/4 (0.244 mi.)***	***135***	***311***

Records of Emergency Release Reports

NY Spills: Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

A review of the NY Spills list, as provided by EDR, and dated 05/19/2014 has revealed that there are 15 NY Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COMMERCIAL Spill Number/Closed Date: 1307014 / Not Reported	1003 GREENE AVENUE	ENE 0 - 1/8 (0.044 mi.)	A4	19
CITGO Spill Number/Closed Date: 8605299 / 12/1/1986	BROADWAY AND GREENE	ENE 0 - 1/8 (0.053 mi.)	A18	62
MILE MARKER 86035120 Spill Number/Closed Date: 9911549 / 1/5/2000	BROADWAY AND GREENE	ENE 0 - 1/8 (0.053 mi.)	A19	64
MALDEN BRICKYARD Spill Number/Closed Date: 8605486 / 12/1/1986	***RTE 9W***	***ENE 0 - 1/8 (0.053 mi.)***	***A20***	***65***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BROADWAY/ GREENE AVE Spill Number/Closed Date: 0800222 / 4/7/2008	BROADWAY/ GREENE AVE	ENE 0 - 1/8 (0.053 mi.)	A21	67
INTERSECTION OF Spill Number/Closed Date: 0509224 / 11/2/2005	BROADWAY AND GREENE	ENE 0 - 1/8 (0.053 mi.)	A22	68
ROADWAY Spill Number/Closed Date: 0003947 / 2/13/2003	BROADWAY/VAN BUREN	N 0 - 1/8 (0.055 mi.)	B24	73
PRIVATE RESD Spill Number/Closed Date: 1304202 / Not Reported	1111 LAFAYETTE AVE	NNW 0 - 1/8 (0.094 mi.)	H48	147

Lower Elevation	Address	Direction / Distance	Map ID	Page
COBBLE HILL HEALTH CENTER Spill Number/Closed Date: 0808184 / 11/10/2008	822 LEXINGTON AVE	S 0 - 1/8 (0.050 mi.)	C8	31
LEXINGTON AVENUE Spill Number/Closed Date: 0513295 / 3/10/2006	881 LEXINGTON AVE	SSE 0 - 1/8 (0.052 mi.)	C15	56
PATCHEN AV & Spill Number/Closed Date: 9905402 / 12/21/1999	GREENE AV	WSW 0 - 1/8 (0.053 mi.)	17	61
PATCHEN AVE & GREENE AVE Spill Number/Closed Date: 9905403 / 12/21/1999	PATCHEN AVE & GREENE AV	W 0 - 1/8 (0.063 mi.)	E30	89
RESIDENTS Spill Number/Closed Date: 0010530 / 11/4/2005	814 QUINCY STREET	S 0 - 1/8 (0.104 mi.)	49	149
MANHOLE #DS2884 Spill Number/Closed Date: 0503913 / 9/9/2005	RALPH AVE/LEXINGTON AVE	ESE 0 - 1/8 (0.118 mi.)	M54	160
217425; QUINCY AVE AND PATCHEN Spill Number/Closed Date: 0914300 / 10/2/2009	QUINCY AVE AND PATCHEN	SSW 0 - 1/8 (0.118 mi.)	55	162

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/11/2014 has revealed that there are 17 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LUCKY FRENCH CLEANERS	***1203 BROADWAY***	***NNW 0 - 1/8 (0.077 mi.)***	***H38***	***106***
MTA NYCT - KOSCIUSKO ST STATIO	KOSCIUSKO ST & BROADWAY	NW 1/8 - 1/4 (0.173 mi.)	87	234
VERIZON	BUSHWICK AVE & HIMROD S	N 1/8 - 1/4 (0.186 mi.)	U98	263
CON EDISON SERVICE BOX: 15948	833 BUSHWICK AVE	N 1/8 - 1/4 (0.228 mi.)	Z121	293
CON EDISON SERVICE BOX: 11401	15 STANHOPE ST	N 1/8 - 1/4 (0.246 mi.)	AD136	315

Lower Elevation	Address	Direction / Distance	Map ID	Page
WROUGHT ORIGINALS	***847 LEXINGTON AVE***	***SSW 0 - 1/8 (0.064 mi.)***	***F31***	***90***
CON EDISON SERVICE BOX: 11607	505 VAN BUREN ST	WNW 0 - 1/8 (0.108 mi.)	50	150
METAL COLORS CORP	***770 LEXINGTON AVE***	***WSW 1/8 - 1/4 (0.126 mi.)***	***L59***	***171***

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON SERVICE BOX: 11605	463 VAN BUREN ST	WNW 1/8 - 1/4 (0.152 mi.)	O77	206
AVANT CLEANER CENTER	***890 QUINCY ST***	***ESE 1/8 - 1/4 (0.168 mi.)***	***T85***	***221***
NYC FIRE DEPT ENGINE CO 222	***32 RALPH AVE***	***SE 1/8 - 1/4 (0.185 mi.)***	***V91***	***241***
Not reported	***32 RALPH AVE***	***SE 1/8 - 1/4 (0.185 mi.)***	***V93***	***247***
NORM MIKE CONTRACTORS INC	992 GATES AVE	SE 1/8 - 1/4 (0.189 mi.)	V102	268
NU LYNN CLEANERS	36A RALPH AVE	SE 1/8 - 1/4 (0.193 mi.)	V105	270
CON EDISON SERVICE BOX: 30630	719 MONROE ST	SSW 1/8 - 1/4 (0.229 mi.)	AA124	299
CON EDISON SERVICE BOX: 159777	1002 BUSHWICK AVE	E 1/8 - 1/4 (0.232 mi.)	AB125	299
D U DRY CLEANERS	***125 MALCOLM X BLVD***	***WSW 1/8 - 1/4 (0.241 mi.)***	***133***	***308***

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 05/01/2014 has revealed that there are 41 NY MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NYCDEP	VAN BUREN & BROADWAY	N 0 - 1/8 (0.051 mi.)	B12	45
CON ED	585 VAN BUREN ST	NNE 0 - 1/8 (0.068 mi.)	B33	97
CON EDISON	15 GOODWIN PL	ENE 0 - 1/8 (0.117 mi.)	53	159
CON EDISON	1150 LAFAYETTE AVE	N 0 - 1/8 (0.124 mi.)	57	165
CON EDISON	KOSSUTH PL & BROADWAY	NNW 1/8 - 1/4 (0.129 mi.)	K61	173
CON EDISON	FT OF 25 KOSSUTH PL	NNW 1/8 - 1/4 (0.145 mi.)	69	193
CON EDISON	898 BUSHWICK AVE	NNE 1/8 - 1/4 (0.168 mi.)	S82	218
CON EDISON	901 BUSHWICK AVE	NNE 1/8 - 1/4 (0.168 mi.)	S83	218
CON EDISON	930 BUSHWICK AVE	NE 1/8 - 1/4 (0.169 mi.)	86	231
CON EDISON	886 BUSHWICK AVE	NNE 1/8 - 1/4 (0.173 mi.)	S88	235
CON EDISON	FRONT OF 18 HARMAN ST	NNE 1/8 - 1/4 (0.209 mi.)	112	281
CON EDISON	840 BUSHWICK AVE	N 1/8 - 1/4 (0.222 mi.)	Z118	292
CON EDISON	833 BUSHWICK AVE	N 1/8 - 1/4 (0.228 mi.)	Z122	294
CON EDISION	OPP 829 BUSHWICK AVE	N 1/8 - 1/4 (0.234 mi.)	Z128	304
CON EDISON	OPP 25 HIMROD ST	NNE 1/8 - 1/4 (0.237 mi.)	AC129	304
CON EDISON	13 STANHOPE ST	N 1/8 - 1/4 (0.241 mi.)	AD134	310
CON EDISON	15 STANHOPE ST	N 1/8 - 1/4 (0.246 mi.)	AD137	315

Lower Elevation	Address	Direction / Distance	Map ID	Page
CONSOLIDATED EDISON	987 GREENE AVE	W 0 - 1/8 (0.060 mi.)	E27	78
WROUGHT ORIGINALS	***847 LEXINGTON AVE***	***SSW 0 - 1/8 (0.064 mi.)***	***F31***	***90***
CON EDISON	OPP 796 LEXINGTON AVE	SW 0 - 1/8 (0.072 mi.)	F34	98
CON EDISON	796 LEXINGTON AVE	SW 0 - 1/8 (0.072 mi.)	F35	99
RODRIGUEZ DRY CLEANERS	***19 PATCHEN AVE***	***WNW 0 - 1/8 (0.081 mi.)***	***I44***	***122***
METAL COLORS CORP	***770 LEXINGTON AVENUE***	***WSW 1/8 - 1/4 (0.126 mi.)***	***L58***	***166***
CON EDISON	RALPH & BROADWAY	ESE 1/8 - 1/4 (0.127 mi.)	M60	173
CON EDISON	792 QUINCY STREET	SW 1/8 - 1/4 (0.142 mi.)	P68	190
CON ED	940 GATES AVE	S 1/8 - 1/4 (0.152 mi.)	Q72	196
CON ED	463 VANBUREN ST	WNW 1/8 - 1/4 (0.152 mi.)	O76	204
CON EDISON	956 GREENE AVE	W 1/8 - 1/4 (0.164 mi.)	81	216
AVANT CLEANER CENTER	***890 QUINCY ST***	***ESE 1/8 - 1/4 (0.168 mi.)***	***T85***	***221***
NYC DEP	32 RALPH AVE	SE 1/8 - 1/4 (0.185 mi.)	V95	251
CON EDISON	30 GROVE ST	E 1/8 - 1/4 (0.187 mi.)	W99	263
CONSOLIDATED EDISON	GATES & RALPH AVES MH32	SE 1/8 - 1/4 (0.187 mi.)	V100	264
CON EDISON	42 GROVE ST	E 1/8 - 1/4 (0.203 mi.)	108	275
CON EDISON	FORNT OF 14 BLEECKER ST	NE 1/8 - 1/4 (0.208 mi.)	X111	280

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON	799 MONROE ST	SSE 1/8 - 1/4 (0.215 mi.)	Y113	282
CON EDISON	FRONT OF 20 BLEECKER ST	NE 1/8 - 1/4 (0.222 mi.)	X116	291
CON ED	719 MONROE ST	SSW 1/8 - 1/4 (0.229 mi.)	AA123	296
CON EDISON	1002 BUSHWICK AVE	E 1/8 - 1/4 (0.232 mi.)	AB126	300
CON EDISON	FRONT OF 1006 BUSHWICK	E 1/8 - 1/4 (0.237 mi.)	AB131	305
CON EDISON	FRONT OF 1006 BUSHWICK	E 1/8 - 1/4 (0.237 mi.)	AB132	306
D U DRY CLEANERS	***125 MALCOLM X BLVD***	***WSW 1/8 - 1/4 (0.241 mi.)***	***133***	***308***

RI MANIFEST: Hazardous waste manifest information

A review of the RI MANIFEST list, as provided by EDR, and dated 05/01/2014 has revealed that there is 1 RI MANIFEST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RODRIGUEZ DRY CLEANERS	***19 PATCHEN AVE***	***WNW 0 - 1/8 (0.081 mi.)***	***I44***	***122***

NY DRYCLEANERS: A listing of all registered drycleaning facilities.

A review of the NY DRYCLEANERS list, as provided by EDR, and dated 04/17/2014 has revealed that there are 3 NY DRYCLEANERS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LUCKY SCIENTIFIC FRENCH CLEANE	1203 BROADWAY	NNW 0 - 1/8 (0.077 mi.)	H39	107

Lower Elevation	Address	Direction / Distance	Map ID	Page
RODRIGUEZ DRY CLEANERS	***19 PATCHEN AVE***	***WNW 0 - 1/8 (0.081 mi.)***	***I44***	***122***
AVANTI CLEANING CENTER	890 QUINCY STREET	ESE 1/8 - 1/4 (0.168 mi.)	T84	221

NY E DESIGNATION: Lots designation with an ?E? on the Zoning Maps of the City of New York for potential hazardous material contamination, air and/or noise quality impacts.

A review of the NY E DESIGNATION list, as provided by EDR, and dated 03/12/2014 has revealed that there are 20 NY E DESIGNATION sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOT 25,TAXBLOCK 1623	1038 GREENE AVENUE	NE 0 - 1/8 (0.003 mi.)	1	8
LOT 35,TAXBLOCK 1618	1003 GREENE AVENUE	E 0 - 1/8 (0.043 mi.)	A2	12
LOT 40,TAXBLOCK 1618	1005 GREENE AVENUE	ENE 0 - 1/8 (0.044 mi.)	A5	22
LOT 22,TAXBLOCK 1618	1224 BROADWAY	NNE 0 - 1/8 (0.047 mi.)	B6	26
LOT 23,TAXBLOCK 1613	541 VAN BUREN STREET	NNW 0 - 1/8 (0.080 mi.)	H41	108
LOT 16,TAXBLOCK 1613	1198 BROADWAY	NNW 0 - 1/8 (0.080 mi.)	H42	113
LOT 17,TAXBLOCK 1613	1200 BROADWAY	NNW 0 - 1/8 (0.080 mi.)	H43	118
LOT 41,TAXBLOCK 1623	1266 BROADWAY	E 0 - 1/8 (0.083 mi.)	J46	138
LOT 42,TAXBLOCK 1623	1268 BROADWAY	E 0 - 1/8 (0.085 mi.)	J47	142
LOT 9,TAXBLOCK 1613	1182 BROADWAY	NNW 0 - 1/8 (0.114 mi.)	K51	151

Lower Elevation	Address	Direction / Distance	Map ID	Page
LOT 23,TAXBLOCK 1628	820 LEXINGTON AVENUE	S 0 - 1/8 (0.050 mi.)	C10	35
LOT 22,TAXBLOCK 1628	818 LEXINGTON AVENUE	S 0 - 1/8 (0.050 mi.)	C11	40

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
FORMER LEXINGTON LAUNDRY SERVI	***853 LEXINGTON AVENUE***	***SSW 0 - 1/8 (0.051 mi.)***	***C13***	***45***
LOT 21,TAXBLOCK 1628	814 LEXINGTON AVENUE	S 0 - 1/8 (0.052 mi.)	C14	51
LOT 57,TAXBLOCK 1623	881 LEXINGTON AVENUE	SSE 0 - 1/8 (0.052 mi.)	C16	57
LOT 30,TAXBLOCK 1628	834 LEXINGTON AVENUE	SSE 0 - 1/8 (0.055 mi.)	C23	69
LOT 73,TAXBLOCK 1623	843 LEXINGTON AVENUE	SSW 0 - 1/8 (0.061 mi.)	F28	80
LOT 53,TAXBLOCK 1623	891 LEXINGTON AVENUE	SE 0 - 1/8 (0.061 mi.)	G29	84
LOT 34,TAXBLOCK 1628	842 LEXINGTON AVENUE	SE 0 - 1/8 (0.064 mi.)	G32	92
LOT 38,TAXBLOCK 1628	850 LEXINGTON AVENUE	ESE 0 - 1/8 (0.076 mi.)	G37	101

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 4 EDR US Hist Auto Stat sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	1223 BROADWAY	NNE 0 - 1/8 (0.049 mi.)	B7	31
Not reported	1201 BROADWAY	NNW 0 - 1/8 (0.078 mi.)	H40	108
Not reported	6 STANHOPE ST	N 1/8 - 1/4 (0.223 mi.)	Z119	292

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	468 VAN BUREN ST	WNW 1/8 - 1/4 (0.141 mi.)	O66	189

EDR US Hist Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 6 EDR US Hist Cleaners sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	1203 BROADWAY	NNW 0 - 1/8 (0.074 mi.)	D36	101
Not reported	1164 BROADWAY	NW 1/8 - 1/4 (0.133 mi.)	63	177

EXECUTIVE SUMMARY

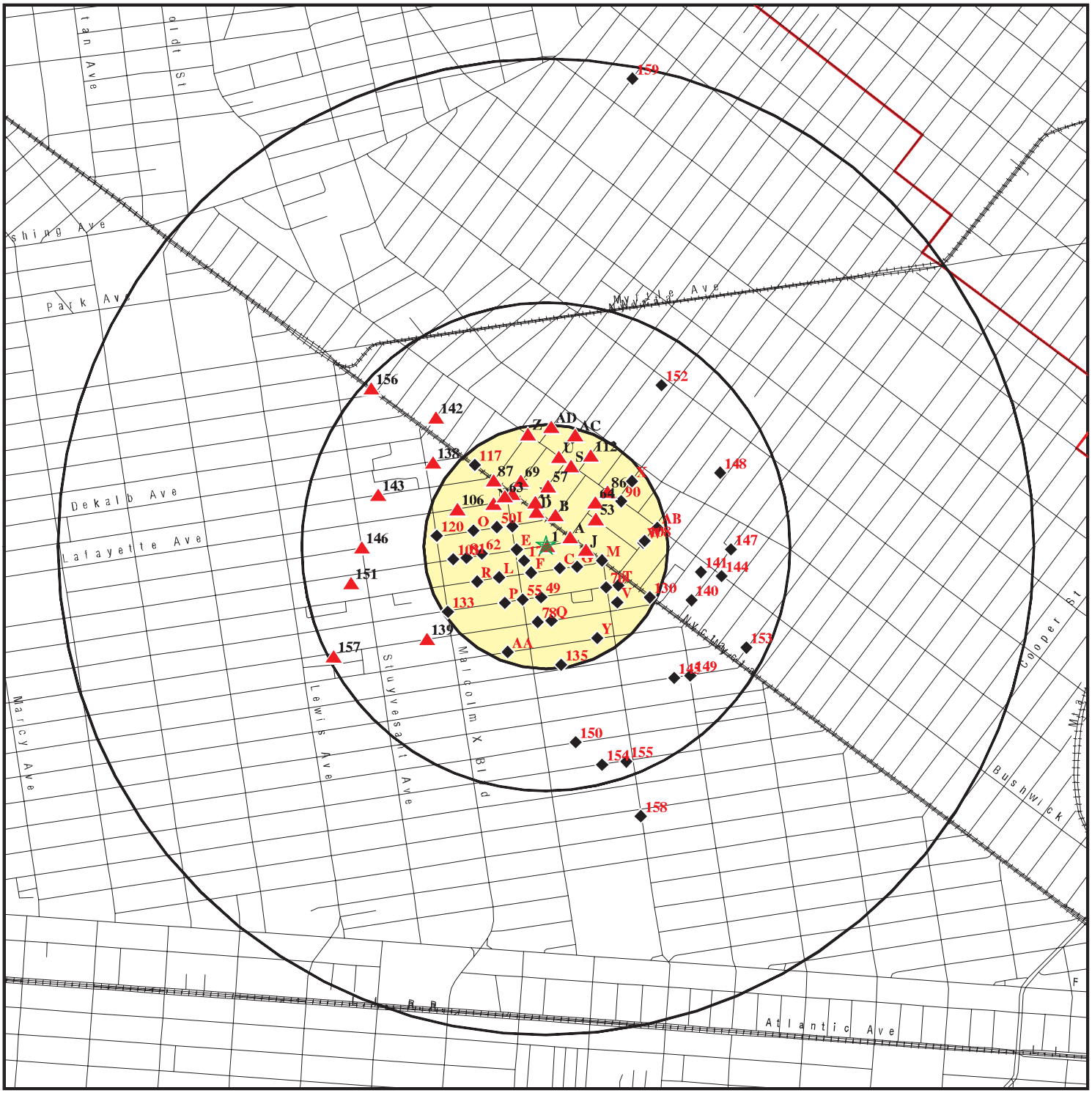
Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	19 PATCHEN AVE	WNW 0 - 1/8 (0.081 mi.)	I45	137
Not reported	36 RALPH AVE	SE 1/8 - 1/4 (0.193 mi.)	V104	270
Not reported	1131 BROADWAY	NW 1/8 - 1/4 (0.222 mi.)	117	291
Not reported	1356 BROADWAY	ESE 1/8 - 1/4 (0.237 mi.)	130	305

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 20 records.

Site Name	Database(s)
GETTY-524 CONEY ISL AVE	RCRA NonGen / NLR, FINDS, NY MANIFEST, US AIRS
BELL ATLANTIC-NY	NY MANIFEST
MTA NYCT - BEDFORD & NOSTRAND AVE	RCRA NonGen / NLR, NY MANIFEST
NYCTA - 977 BROADWAY	RCRA NonGen / NLR, FINDS, NY MANIFEST
NYCT - MARCY AVE STATION - JMZ LIN	RCRA-CESQG, NY MANIFEST
CON EDISION - MH38210	RCRA NonGen / NLR, NY MANIFEST
NYCDOT GLENMORE AVE BRIDGE #224386	RCRA NonGen / NLR
NYCDOT LIBERTY AVE BRIDGE #2243850	RCRA NonGen / NLR
MTA NYCT - MYRTLE & WILLOUGHBY AVE	RCRA NonGen / NLR
NYCDOT PITKIN AVE BRIDGE #2243870	RCRA NonGen / NLR
EVERGREEN & FLUSHING AVE	FINDS
NYCT - MARCY AVE STATION - JMZ LIN	FINDS
NYCDOT GLENMORE AVE BRIDGE #224386	FINDS
NYCDOT LIBERTY AVE BRIDGE #2243850	FINDS
NYCDOT PITKIN AVE BRIDGE #2243870	FINDS
NYCDOT SUTTER AVE BRIDGE #2243890	FINDS
EXIT 34	NY Spills
KINGS HIGHWAY MOBIL	NY Spills
BETW/AVE X &	NY Spills
205842; KINGS HWY	NY Spills

OVERVIEW MAP - 3976015.2s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 1036 Greene Ave	CLIENT: Env. Business Consultants
ADDRESS: 1036 Greene Ave Brooklyn NY 11221	CONTACT: Chawinie Miller
	INQUIRY #: 3976015.2s
LAT/LONG: 40.6912 / 73.9265	DATE: June 18, 2014 10:59 am

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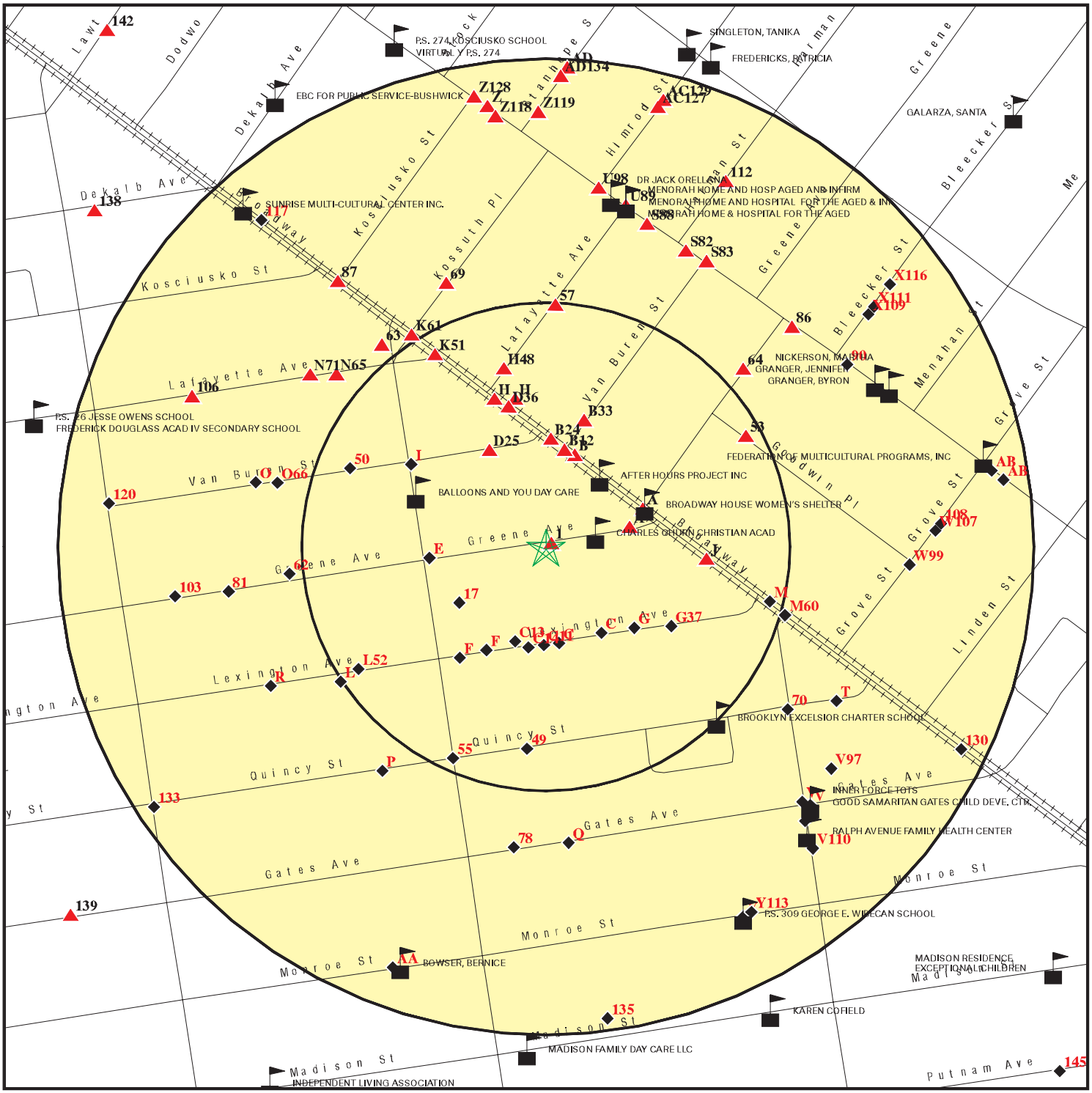
DETAIL MAP - 3976015.2s



0 1/16 1/8 1/4 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 1036 Greene Ave ADDRESS: 1036 Greene Ave Brooklyn NY 11221 LAT/LONG: 40.6912 / 73.9265	CLIENT: Env. Business Consultants CONTACT: Chawinie Miller INQUIRY #: 3976015.2s DATE: June 18, 2014 11:06 am

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		1	1	NR	NR	NR	2
RCRA-SQG	0.250		1	0	NR	NR	NR	1
RCRA-CESQG	0.250		0	2	NR	NR	NR	2
Federal institutional controls / engineering controls registries								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
NY SHWS	1.000		0	0	0	2	NR	2
NY VAPOR REOPENED	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
NY SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
NY LTANKS	0.500		1	8	19	NR	NR	28
NY HIST LTANKS	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
State and tribal registered storage tank lists								
NY TANKS	0.250		0	0	NR	NR	NR	0
NY UST	0.250		2	8	NR	NR	NR	10
NY CBS UST	0.250		0	0	NR	NR	NR	0
NY MOSF UST	0.500		0	0	0	NR	NR	0
NY AST	0.250		3	12	NR	NR	NR	15
NY CBS AST	0.250		0	0	NR	NR	NR	0
NY MOSF AST	0.500		0	0	0	NR	NR	0
NY MOSF	0.500		0	0	0	NR	NR	0
NY CBS	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
NY ENG CONTROLS	0.500		0	0	0	NR	NR	0
NY INST CONTROL	0.500		0	0	0	NR	NR	0
NY RES DECL	0.125		0	NR	NR	NR	NR	0
State and tribal voluntary cleanup sites								
NY VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
NY ERP	0.500		0	0	0	NR	NR	0
NY BROWNFIELDS	0.500		1	0	1	NR	NR	2
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
NY SWRCY	0.500		0	0	0	NR	NR	0
NY SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
NY DEL SHWS	1.000		0	0	0	0	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
NY HIST UST	0.250		1	4	NR	NR	NR	5
NY HIST AST	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
NY LIENS	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
NY Spills	0.125		15	NR	NR	NR	NR	15
NY Hist Spills	0.125		0	NR	NR	NR	NR	0
NY SPILLS 90	0.125		0	NR	NR	NR	NR	0
NY SPILLS 80	0.125		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		3	14	NR	NR	NR	17
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
NY HSWDS	0.500		0	0	0	NR	NR	0
NY UIC	TP		NR	NR	NR	NR	NR	0
NY MANIFEST	0.250		9	32	NR	NR	NR	41
RI MANIFEST	0.250		1	0	NR	NR	NR	1
NY DRYCLEANERS	0.250		2	1	NR	NR	NR	3
NY SPDES	TP		NR	NR	NR	NR	NR	0
NY AIRS	TP		NR	NR	NR	NR	NR	0
NY E DESIGNATION	0.125		20	NR	NR	NR	NR	20
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
NY Financial Assurance	TP		NR	NR	NR	NR	NR	0
NY COAL ASH	0.500		0	0	0	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		2	2	NR	NR	NR	4
EDR US Hist Cleaners	0.250		2	4	NR	NR	NR	6
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
NY RGA HWS	TP		NR	NR	NR	NR	NR	0
NY RGA LF	TP		NR	NR	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1
NE
< 1/8
0.003 mi.
18 ft.

LOT 25,TAXBLOCK 1623
1038 GREENE AVENUE
KINGS (County), NY 11221

NY E DESIGNATION **S113453037**
N/A

Relative:
Higher

Actual:
56 ft.

E DESIGNATION:

Tax Lot(s):	25
E-No:	E-285
Effective Date:	10/11/2012
Satisfaction Date:	Not reported
Ceqr Number:	12DCP156Y
Ulurp Number:	120294ZMK
Zoning Map No:	12d 13b 16c 17a
Description:	Air Quality - HVAC fuel limited to natural gas
Borough Code:	BK
Community District:	303
Census Tract:	387
Census Block:	1001
School District:	16
City Council District:	41
Fire Company:	E222
Health Area:	32
Police Precinct:	081
Zone District 1:	C8-2
Zone District 2:	C4-3
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C8-2
All Components2:	C4-3
Split Boundary Indicator:	Y
Building Class:	G2
Land Use Category:	10
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	MIT MAZEL MGMT CORP
Lot Area:	000008000
Total Building Floor Area:	00000008000
Commercial Floor Area:	00000008000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000008000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0080.00
Lot Depth:	0100.00
Building Frontage:	0080.00
Building Depth:	0100.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5

LOT 25,TAXBLOCK 1623 (Continued) **S113453037**

Basement Type Grade:	5
Land Assessed Value:	00000025155
Total Assessed Value:	00000058050
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1920
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.00
Maximum Allowable Far:	02.00
Borough Code:	3
Borough Tax Block And Lot:	3016230025
Condominium Number:	00000
Census Tract 2:	0387
X Coordinate:	1004728
Y Coordinate:	0191044
Zoning Map:	17A
Sanborn Map:	305 012
Tax Map:	30605
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

Tax Lot(s):	25
E-No:	E-285
Effective Date:	10/11/2012
Satisfaction Date:	Not reported
Ceqr Number:	12DCP156Y
Ulurp Number:	120294ZMK
Zoning Map No:	12d 13b 16c 17a
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Borough Code:	BK
Community District:	303
Census Tract:	387
Census Block:	1001
School District:	16
City Council District:	41
Fire Company:	E222
Health Area:	32
Police Precinct:	081
Zone District 1:	C8-2
Zone District 2:	C4-3
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C8-2

LOT 25,TAXBLOCK 1623 (Continued) **S113453037**

All Components2:	C4-3
Split Boundary Indicator:	Y
Building Class:	G2
Land Use Category:	10
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	MIT MAZEL MGMT CORP
Lot Area:	000008000
Total Building Floor Area:	00000008000
Commercial Floor Area:	00000008000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000008000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0080.00
Lot Depth:	0100.00
Building Frontage:	0080.00
Building Depth:	0100.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000025155
Total Assessed Value:	00000058050
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1920
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.00
Maximum Allowable Far:	02.00
Borough Code:	3
Borough Tax Block And Lot:	3016230025
Condominium Number:	00000
Census Tract 2:	0387
X Coordinate:	1004728
Y Coordinate:	0191044
Zoning Map:	17A
Sanborn Map:	305 012
Tax Map:	30605
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006

LOT 25,TAXBLOCK 1623 (Continued) **S113453037**

Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1
Tax Lot(s):	25
E-No:	E-285
Effective Date:	10/11/2012
Satisfaction Date:	Not reported
Ceqr Number:	12DCP156Y
Ulurp Number:	120294ZMK
Zoning Map No:	12d 13b 16c 17a
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	BK
Community District:	303
Census Tract:	387
Census Block:	1001
School District:	16
City Council District:	41
Fire Company:	E222
Health Area:	32
Police Precinct:	081
Zone District 1:	C8-2
Zone District 2:	C4-3
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C8-2
All Components2:	C4-3
Split Boundary Indicator:	Y
Building Class:	G2
Land Use Category:	10
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	MIT MAZEL MGMT CORP
Lot Area:	000008000
Total Building Floor Area:	00000008000
Commercial Floor Area:	00000008000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000008000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0080.00
Lot Depth:	0100.00
Building Frontage:	0080.00
Building Depth:	0100.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5

LOT 25,TAXBLOCK 1623 (Continued) **S113453037**

Land Assessed Value:	00000025155
Total Assessed Value:	00000058050
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1920
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.00
Maximum Allowable Far:	02.00
Borough Code:	3
Borough Tax Block And Lot:	3016230025
Condominium Number:	00000
Census Tract 2:	0387
X Coordinate:	1004728
Y Coordinate:	0191044
Zoning Map:	17A
Sanborn Map:	305 012
Tax Map:	30605
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

A2
East
< 1/8
0.043 mi.
225 ft.

Relative:
Higher

Actual:
56 ft.

LOT 35,TAXBLOCK 1618 **NY E DESIGNATION** **S113453107**
1003 GREENE AVENUE **N/A**
KINGS (County), NY 11221

Site 1 of 9 in cluster A

E DESIGNATION:

Tax Lot(s):	35
E-No:	E-285
Effective Date:	10/11/2012
Satisfaction Date:	Not reported
Ceqr Number:	12DCP156Y
Ulurp Number:	120294ZMK
Zoning Map No:	12d 13b 16c 17a
Description:	Air Quality - HVAC fuel limited to natural gas
Borough Code:	BK
Community District:	303
Census Tract:	387
Census Block:	1002
School District:	16
City Council District:	41
Fire Company:	E222
Health Area:	32
Police Precinct:	081
Zone District 1:	C8-2
Zone District 2:	Not reported

ATTACHMENT B
SOIL BORING LOGS

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B1 Boring Log

Location: Performed in the northeast corner of the Site.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: KSM1403	Address: 1038 Greene Avenue, Brooklyn, NY	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: C^2 Environmental	Method: Geoprobe	Not Detected		Well Specifications
Date Started: 6/3/2014	Date Completed: 6/3/2014			None
Completion Depth: 20 Feet	Geologist Reuben Levinton			

B1 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 4	20		0.0	2" - Gray rock 8" - Brown sandy sil 10" - Red-Brown sandy sil
	to 8	48		0.0	42" - Red-brown sanc 1" - Gray rock 4" - Red-brown sanc
	to 12	40		0.0	4" - Brown silty sanc 16" - Brown sandy sil 2" - Rock 18" - Brown silty sand with grave
	to 16	48		70.0	24" - Brown sandy silt 6" - Moist sand, petroleum odo 18" - Brown sand, petroleum odo **Retained soil sample B1(13-15)*
	to 20	48		0.0	6" - Brown silt 18" - Wet brown silt 4" - Moist brown sanc 6" - Brown sandy sil 14" - Brown sand

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B2 Boring Log

Location: Performed just north of center of site.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: KSM1403	Address: 1038 Greene Avenue, Brooklyn, NY	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: C^2 Environmental	Method: Geoprobe	Not Detected		Well Specifications
Date Started: 6/3/2014	Date Completed: 6/3/2014			None
Completion Depth: 20 Feet	Geologist Reuben Levinton			

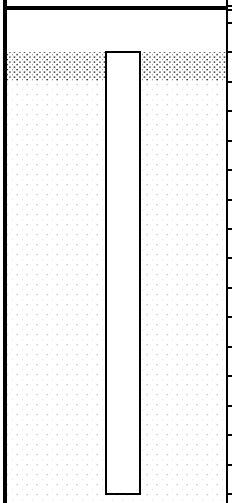
B3 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 4	14		0.0	2" - Concrete 12" - Fill material with brick
	to 8	36		0.0	2" - Gray sand 24" - Black gravely sand, fill materia 10" - Brown sand
	to 12	30		0.0	15" - Brown fine silty sanc 15" - Brown silty sanc *18" fill material preceded recovery*
	to 16	33		0.0	9" - Brown silty sanc 18" - Gray to black fill materia 6" - Brown silty sanc
	to 20	30		0.0	30" - Brown sand **Retained soil sample B2(18-20)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B3 Boring Log

Location: Sampled at north end of site, west of center		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: KSM1403	Address: 1038 Greene Avenue, Brooklyn, NY	Date / DTW	Ground Elevation
		Groundwater depth	
Drilling Company: C^2 Environmental	Method: Geoprobe	Not Detected	Well Specifications
Date Started: 6/3/2014	Date Completed: 6/3/2014		None
Completion Depth: 15 Feet	Geologist Reuben Levinton		

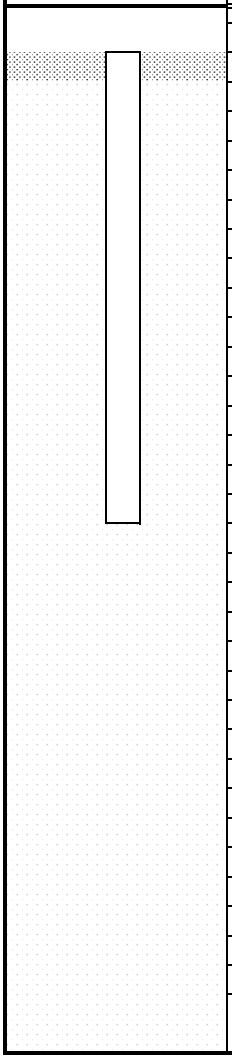
B3 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 4	20		0.0	20" - Fill materia
	to 8	32		0.0	4" - Fill materia 12" - Brown silty sand with large grave 6" - Brown sand 2" - Compressed wet wood 8" - Brown silt, native soi
	to 12	40		0.0	12" - Fill material with cobbles 8" - Brown silty sand with small grave 6" - Brown silt/clay 14" - Brown silty sanc *Stopped by impermiable surface at 12'*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B4 Boring Log

Location: Sampled toward northeast end of Site, southwest of B1 and northwest of B5		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: KSM1403	Address: 1038 Greene Avenue, Brooklyn, NY	Date / DTW	Ground Elevation
		Groundwater depth	
Drilling Company: C^2 Environmental	Method: Geoprobe	Not Detected	Well Specifications
Date Started: 6/3/2014	Date Completed: 6/3/2014		None
Completion Depth: 15 Feet	Geologist Reuben Levinton		

B3 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	0 to 4	25		0.0	2" - Grey concrete dus 6" - Brown silty sanc 3" - Red brick chunks 14" - Brown silty sanc
	4 to 8	48		0.0	48" - Brown silty sanc
	8 to 12	44		0.0	12" - Brown silty sand with grave 6" - Gray/brown sand with grave 26" - Brown silty sanc
	12 to 13	12		0.0	12" - Brown sand *Stopped by impermiable surface at 13'*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B5 Boring Log

Location: Peformed on northeast side of site between B9 and B1.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: KSM1403	Address: 1038 Greene Avenue, Brooklyn, NY	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: C^2 Environmental	Method: Geoprobe	Not Detected		Well Specifications
Date Started: 6/3/2014	Date Completed: 6/3/2014			None
Completion Depth: 20 Feet	Geologist Reuben Levinton			

B5 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 4	30		0.0	10" - Gray concrete dust with grave 12" - Brown silty sand with bricl 8" - Brown silty sanc
	to 8	48		0.0	28" - Brown silty sanc 20" - Brown silt/clay
	to 12	40		0.0	32" - Brown silty sanc 8" - Brown sand with grave
	to 16	30		0.0	30" - Brown silty sand with grave
	to 20	15		0.0	15" - Brown sand with some bricl **Retained soil sample B5(18-20)*
					Boring continued to 44 ft, unable to retrieve water at this depth

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B6 Boring Log

Location: Performed on the north edge of site, central between west and east of site.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: KSM1403	Address: 1038 Greene Avenue, Brooklyn, NY	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: C^2 Environmental	Method: Geoprobe	Not Detected		Well Specifications
Date Started: 8/20/2014	Date Completed: 8/20/2014			None
Completion Depth: 15 Feet	Geologist Reuben Levinton			

B6 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	38		0.0	6" - Cement dust and rock 4" - Brown gravely sanc 5" - Cement dust and rock 23" - Brown sand **Retained soil sample B6(0-2)*
	to 10	28		0.0	4" - Brown gravely sanc 6" - White gravely sand, odoı 18" - Brown sand with rocks
	to 15	40		0.0	40" - Brown silty sand w/ rock **Retained soil sample B6(12-14)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B7 Boring Log

Location: Performed on the west side of the site, just north of center.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: KSM1403	Address: 1038 Greene Avenue, Brooklyn, NY	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: C^2 Environmental	Method: Geoprobe	Not Detected		Well Specifications
Date Started: 8/20/2014	Date Completed: 8/20/2014			None
Completion Depth: 15 Feet	Geologist Reuben Levinton			

B7 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	25		5.0	4" - Cement and rock 21" - Brown sand *Retained soil sample B7(0-2)*
	to 10	41		0.0	41" - Brown sand with rocks
	to 15	46		0.0	4" - Brown gravely sand with rock 3" - Cement layer 39" - Brown sand with rock *Retained soil sample B7(12-14)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B8 Boring Log

Location: Performed in the southwest corner of the site.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: KSM1403	Address: 1038 Greene Avenue, Brooklyn, NY	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: C^2 Environmental	Method: Geoprobe	Not Detected		Well Specifications
Date Started: 8/20/2014	Date Completed: 8/20/2014			None
Completion Depth: 15 Feet	Geologist Reuben Levinton			

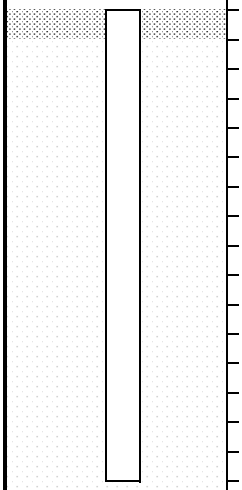
B4 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	22		25.0	6" - Cement dust and rock 10"- Brown gravely sand 3" - Cement dust 3" - Black/brown gravely sanc **Retained soil sample B8(0-2)*
	to 10	3		0.0	3" - Cement dust
	to 15	40		0.0	21" - Brown silty sanc 3" - Tan sand with large mica concentratio 16" - Brown sand with mica **Retained soil sample B8(12-14)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B9 Boring Log

Location: Performed in the east half of the site, north of B10.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: KSM1403	Address: 1038 Greene Avenue, Brooklyn, NY	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: C^2 Environmental	Method: Geoprobe	Not Detected		Well Specifications
Date Started: 8/20/2014	Date Completed: 8/20/2014			None
Completion Depth: 15 Feet	Geologist Reuben Levinton			

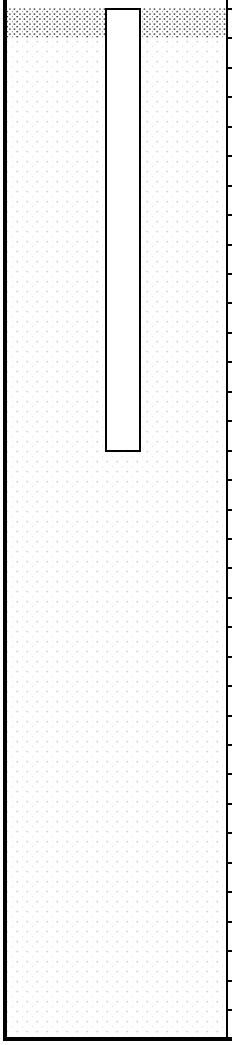
B2 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	31		0.0	8" - Cement dust 2" - Gravel layer 5" - Brown sand with rock 3" - Cement and broken rock 13" - Brown sand with brick dus **Retained soil sample B9(0-2)*
	5 to 10	46		0.0	32" - Brown silty sanc 2" - Black pulverized rock 12" - Brown silty sanc
	10 to 15	45		0.0	45" - Brown silty sand with pulverized roc **Retained soil sample B9(12-14)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B10 Boring Log

Location: Performed in the southeast corner of the Site.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: KSM1403	Address: 1038 Greene Avenue, Brooklyn, NY	Date	DTW	Ground Elevation
Drilling Company: C^2 Environmental	Method: Geoprobe	Groundwater depth: Not Detected		Well Specifications
Date Started: 8/20/2014	Date Completed: 8/20/2014			None
Completion Depth: 15 Feet	Geologist Reuben Levinton			



B2 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	26		0.0	6" - Cement dust and rocks 3" - Brown gravely sanc 1" - Brick 16" - Brown sand **Retained soil sample B10(0-2)*
	5 to 10	41		0.0	41" - Brown silty sand with rocks
	10 to 15	21		0.0	6" - Brown silty sanc 6" - Black/gray gravely sanc 2" - Brown silty sanc 7" - Rock **Retained soil sample B10(12-14)*

ATTACHMENT C
GROUNDWATER SAMPLING LOGS

GROUNDWATER PURGE / SAMPLE LOGS

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: MW1

Date: 8/29/2014

Well Depth (from TOC): 55

Equipment: Check Valve

Static Water Level (from TOC): 45

Field Personnel: Kevin Waters

Height of Water in Well: 10

Gallons of Water per Well Volume: 0.4

Flow Rate: 400ml/min.

Time	Time (24Hr)	Pump Rate	Gal. Removed	pH	Cond. (µS/cm)	Temp. (ºF)	DO (mg/L)	Comments
0.00	8:49	400ml/min	0					turbid
2.00	8:51	400ml/min	0.22					turbid
4.00	8:53	400ml/min	0.44					turbid
6.00	8:55	400ml/min	0.66					turbid
8.00	8:57	400ml/min	0.88					clear
10.00	8:59	400ml/min	1.1					clear

Note 400 ml = 0.11 gallons

GROUNDWATER PURGE / SAMPLE LOGS

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: MW2

Date: 8/29/2014

Well Depth (from TOC): 55

Equipment: Check Valve

Static Water Level (from TOC): 45

Field Personnel: Kevin Waters

Height of Water in Well: 10

Gallons of Water per Well Volume: 0.4

Flow Rate: 400ml/min.

Time	Time (24Hr)	Pump Rate	Gal. Removed	pH	Cond. (µS/cm)	Temp. (ºF)	DO (mg/L)	Comments
0.00	9:13	400ml/min	0					turbid
2.00	9:15	400ml/min	0.22					turbid
4.00	9:17	400ml/min	0.44					turbid
6.00	9:19	400ml/min	0.66					turbid
8.00	9:21	400ml/min	0.88					clear
10.00	9:23	400ml/min	1.1					clear

Note 400 ml = 0.11 gallons

GROUNDWATER PURGE / SAMPLE LOGS

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: MW3

Date: 8/29/2014

Well Depth (from TOC): 55

Equipment: Check Valve

Static Water Level (from TOC): 45

Field Personnel: Kevin Waters

Height of Water in Well: 10

Gallons of Water per Well Volume: 0.4

Flow Rate: 400ml/min.

Time	Time (24Hr)	Pump Rate	Gal. Removed	pH	Cond. (µS/cm)	Temp. (ºF)	DO (mg/L)	Comments
0.00	9:37	400ml/min	0					turbid
2.00	9:39	400ml/min	0.22					turbid
4.00	9:41	400ml/min	0.44					turbid
6.00	9:43	400ml/min	0.66					turbid
8.00	9:45	400ml/min	0.88					clear
10.00	9:47	400ml/min	1.1					clear

Note 400 ml = 0.11 gallons

ATTACHMENT D
SOIL GAS SAMPLING LOG

PHOENIX Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

CHAIN OF CUSTODY RECORD
AIR ANALYSES

800-827-5426

email: greg@phoenixlabs.com

P.O. #

Data Delivery:
- ☐ Fax #:
- ☑ Email: csoak@ebcinc.com
- ☑ Phone #: 631.504.6000

Report to: Kevin Waters

Customer: EBC

Address: 1808 Middle Country Rd
Ridge, NY 11961

Invoice to: EBC

Sampled by: Kristen Discenza

Project Name: 1036 Green St. Brooklyn

Requested Deliverable:
- RCP ☐
- ASP CAT B ☐
- MCP ☐
- NJ Deliverables ☐

State where samples collected:

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-14	TO-15
		THIS SECTION FOR LAB USE ONLY											MATRIX			ANALYSES	
02824	SG-5	217	6.0	-30	-7	0331	41.6	859	1101	8/21	-30	-8		X			X
	[redacted]	172				4988											
02825	[redacted] SG-4	480			-6	4957		915	1113	8/29	-30	-6		X			
02826	[redacted] SG-1	218			-2	5039		936	1129	8/29	-30	-3		X			
02827	[redacted] SG-3	13647			-5	5044		954	1159	8/29	-30	-5		X			
02828	SG-2	463			-4	4981		1031	1229	8/29	-30	-5		X			X
	6L 2hrs																

Relinquished by: [signature]

Accepted by: [signature]

Date: 9-2-14 Time:

Date: 9-2-14 Time: 1707

Data Format:
- Excel ☑
- Equis ☐
- GISKey ☐
- PDF ☑
- Other: ☐

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

can #172 not used

* air can and Regulator were Returned * MSP

Requested Criteria

Quote Number:

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:

Signature: _____ Date: _____

ATTACHMENT E
LABORATORY REPORTS

PHOENIX
Environmental Laboratories, Inc.

Monday, June 09, 2014

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 1038 GREENE AVE BROOKLYN
Sample ID#s: BG52564 - BG52567

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

June 09, 2014

SDG I.D.: GBG52564

Please be advised that the NY unrestricted soil criteria for chromium is based on hexavalent chromium and trivalent chromium.

BG52564 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BG52565 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BG52566 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

June 09, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	CU	06/03/14	0:00
Location Code:	EBC	Received by:	SW	06/04/14	16:17
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG52564
Phoenix ID: BG52564

Project ID: 1038 GREENE AVE BROOKLYN
Client ID: B1 13-15 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Percent Solid	91			%	06/04/14	I	E160.3	
Soil Extraction SVOA PAH	Completed				06/04/14	JJ/FV	SW3545	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.5	0.90	ug/Kg	06/05/14	JLI	SW8260	
1,1,1-Trichloroethane	ND	5.5	1.1	ug/Kg	06/05/14	JLI	SW8260	
1,1,2,2-Tetrachloroethane	ND	5.5	0.78	ug/Kg	06/05/14	JLI	SW8260	
1,1,2-Trichloroethane	ND	5.5	0.54	ug/Kg	06/05/14	JLI	SW8260	
1,1-Dichloroethane	ND	5.5	1.1	ug/Kg	06/05/14	JLI	SW8260	
1,1-Dichloroethene	ND	5.5	1.2	ug/Kg	06/05/14	JLI	SW8260	
1,1-Dichloropropene	ND	5.5	1.1	ug/Kg	06/05/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	5.5	1.1	ug/Kg	06/05/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	5.5	0.78	ug/Kg	06/05/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	5.5	1.1	ug/Kg	06/05/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	5.5	0.79	ug/Kg	06/05/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.5	1.5	ug/Kg	06/05/14	JLI	SW8260	
1,2-Dibromoethane	ND	5.5	1.5	ug/Kg	06/05/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	5.5	0.60	ug/Kg	06/05/14	JLI	SW8260	
1,2-Dichloroethane	ND	5.5	0.48	ug/Kg	06/05/14	JLI	SW8260	
1,2-Dichloropropane	ND	5.5	0.78	ug/Kg	06/05/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	5.5	0.73	ug/Kg	06/05/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	5.5	0.81	ug/Kg	06/05/14	JLI	SW8260	
1,3-Dichloropropane	ND	5.5	0.58	ug/Kg	06/05/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	5.5	0.87	ug/Kg	06/05/14	JLI	SW8260	
2,2-Dichloropropane	ND	5.5	0.92	ug/Kg	06/05/14	JLI	SW8260	
2-Chlorotoluene	ND	5.5	0.88	ug/Kg	06/05/14	JLI	SW8260	
2-Hexanone	ND	27	2.5	ug/Kg	06/05/14	JLI	SW8260	
2-Isopropyltoluene	ND	5.5	0.76	ug/Kg	06/05/14	JLI	SW8260	1

Project ID: 1038 GREENE AVE BROOKLYN
Client ID: B1 13-15 FT

Phoenix I.D.: BG52564

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Chlorotoluene	ND		5.5	0.64	ug/Kg	06/05/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	06/05/14	JLI	SW8260	
Acetone	6.7	JS	50	5.5	ug/Kg	06/05/14	JLI	SW8260	
Acrylonitrile	ND		11	3.1	ug/Kg	06/05/14	JLI	SW8260	
Benzene	ND		5.5	1.1	ug/Kg	06/05/14	JLI	SW8260	
Bromobenzene	ND		5.5	0.71	ug/Kg	06/05/14	JLI	SW8260	
Bromochloromethane	ND		5.5	0.80	ug/Kg	06/05/14	JLI	SW8260	
Bromodichloromethane	ND		5.5	0.68	ug/Kg	06/05/14	JLI	SW8260	
Bromoform	ND		5.5	0.77	ug/Kg	06/05/14	JLI	SW8260	
Bromomethane	ND		5.5	4.2	ug/Kg	06/05/14	JLI	SW8260	
Carbon Disulfide	ND		5.5	0.89	ug/Kg	06/05/14	JLI	SW8260	
Carbon tetrachloride	ND		5.5	0.64	ug/Kg	06/05/14	JLI	SW8260	
Chlorobenzene	ND		5.5	0.81	ug/Kg	06/05/14	JLI	SW8260	
Chloroethane	ND		5.5	1.3	ug/Kg	06/05/14	JLI	SW8260	
Chloroform	ND		5.5	1.0	ug/Kg	06/05/14	JLI	SW8260	
Chloromethane	ND		5.5	2.9	ug/Kg	06/05/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.5	1.2	ug/Kg	06/05/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.5	0.59	ug/Kg	06/05/14	JLI	SW8260	
Dibromochloromethane	ND		5.5	0.62	ug/Kg	06/05/14	JLI	SW8260	
Dibromomethane	ND		5.5	0.69	ug/Kg	06/05/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.5	1.5	ug/Kg	06/05/14	JLI	SW8260	
Ethylbenzene	ND		5.5	1.0	ug/Kg	06/05/14	JLI	SW8260	
Hexachlorobutadiene	ND		5.5	1.2	ug/Kg	06/05/14	JLI	SW8260	
Isopropylbenzene	ND		5.5	1.1	ug/Kg	06/05/14	JLI	SW8260	
m&p-Xylene	ND		5.5	2.2	ug/Kg	06/05/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		33	4.8	ug/Kg	06/05/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	06/05/14	JLI	SW8260	
Methylene chloride	1.6	JS	5.5	0.90	ug/Kg	06/05/14	JLI	SW8260	
Naphthalene	ND		5.5	1.5	ug/Kg	06/05/14	JLI	SW8260	
n-Butylbenzene	ND		5.5	1.0	ug/Kg	06/05/14	JLI	SW8260	
n-Propylbenzene	ND		5.5	0.99	ug/Kg	06/05/14	JLI	SW8260	
o-Xylene	ND		5.5	2.1	ug/Kg	06/05/14	JLI	SW8260	
p-Isopropyltoluene	1.1	J	5.5	0.79	ug/Kg	06/05/14	JLI	SW8260	
sec-Butylbenzene	ND		5.5	1.0	ug/Kg	06/05/14	JLI	SW8260	
Styrene	ND		5.5	1.6	ug/Kg	06/05/14	JLI	SW8260	
tert-Butylbenzene	ND		5.5	0.88	ug/Kg	06/05/14	JLI	SW8260	
Tetrachloroethene	ND		5.5	1.2	ug/Kg	06/05/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND		11	4.9	ug/Kg	06/05/14	JLI	SW8260	1
Toluene	ND		5.5	0.87	ug/Kg	06/05/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND		5.5	1.1	ug/Kg	06/05/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND		5.5	1.1	ug/Kg	06/05/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND		11	10	ug/Kg	06/05/14	JLI	SW8260	
Trichloroethene	ND		5.5	1.2	ug/Kg	06/05/14	JLI	SW8260	
Trichlorofluoromethane	ND		5.5	1.2	ug/Kg	06/05/14	JLI	SW8260	
Trichlorotrifluoroethane	ND		5.5	0.86	ug/Kg	06/05/14	JLI	SW8260	
Vinyl chloride	ND		5.5	1.8	ug/Kg	06/05/14	JLI	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100				%	06/05/14	JLI	70 - 130 %	
% Bromofluorobenzene	113				%	06/05/14	JLI	70 - 130 %	

Project ID: 1038 GREENE AVE BROOKLYN
Client ID: B1 13-15 FT

Phoenix I.D.: BG52564

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Dibromofluoromethane	97			%	06/05/14	JLI	70 - 130 %
% Toluene-d8	99			%	06/05/14	JLI	70 - 130 %
Semivolatiles							
Acenaphthene	ND	260	110	ug/Kg	06/05/14	DD	SW 8270
Acenaphthylene	ND	260	100	ug/Kg	06/05/14	DD	SW 8270
Anthracene	ND	260	120	ug/Kg	06/05/14	DD	SW 8270
Benz(a)anthracene	ND	260	120	ug/Kg	06/05/14	DD	SW 8270
Benzo(a)pyrene	ND	260	120	ug/Kg	06/05/14	DD	SW 8270
Benzo(b)fluoranthene	ND	260	120	ug/Kg	06/05/14	DD	SW 8270
Benzo(ghi)perylene	ND	260	120	ug/Kg	06/05/14	DD	SW 8270
Benzo(k)fluoranthene	ND	260	120	ug/Kg	06/05/14	DD	SW 8270
Chrysene	ND	260	120	ug/Kg	06/05/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	260	120	ug/Kg	06/05/14	DD	SW 8270
Fluoranthene	ND	260	120	ug/Kg	06/05/14	DD	SW 8270
Fluorene	ND	260	120	ug/Kg	06/05/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	06/05/14	DD	SW 8270
Naphthalene	ND	260	100	ug/Kg	06/05/14	DD	SW 8270
Phenanthrene	ND	260	100	ug/Kg	06/05/14	DD	SW 8270
Pyrene	ND	260	130	ug/Kg	06/05/14	DD	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	82			%	06/05/14	DD	30 - 130 %
% Nitrobenzene-d5	90			%	06/05/14	DD	30 - 130 %
% Terphenyl-d14	98			%	06/05/14	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
June 09, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

June 09, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	CU	06/03/14	0:00
Location Code:	EBC	Received by:	SW	06/04/14	16:17
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG52564
Phoenix ID: BG52565

Project ID: 1038 GREENE AVE BROOKLYN
Client ID: B2 18-20 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Percent Solid	95			%	06/04/14	I	E160.3	
Soil Extraction SVOA PAH	Completed				06/04/14	JJ/FV	SW3545	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.3	0.86	ug/Kg	06/05/14	JLI	SW8260	
1,1,1-Trichloroethane	ND	5.3	1.1	ug/Kg	06/05/14	JLI	SW8260	
1,1,2,2-Tetrachloroethane	ND	5.3	0.75	ug/Kg	06/05/14	JLI	SW8260	
1,1,2-Trichloroethane	ND	5.3	0.52	ug/Kg	06/05/14	JLI	SW8260	
1,1-Dichloroethane	ND	5.3	1.0	ug/Kg	06/05/14	JLI	SW8260	
1,1-Dichloroethene	ND	5.3	1.1	ug/Kg	06/05/14	JLI	SW8260	
1,1-Dichloropropene	ND	5.3	1.0	ug/Kg	06/05/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	5.3	1.1	ug/Kg	06/05/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	5.3	0.75	ug/Kg	06/05/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	5.3	1.1	ug/Kg	06/05/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	5.3	0.76	ug/Kg	06/05/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.3	1.4	ug/Kg	06/05/14	JLI	SW8260	
1,2-Dibromoethane	ND	5.3	1.4	ug/Kg	06/05/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	5.3	0.58	ug/Kg	06/05/14	JLI	SW8260	
1,2-Dichloroethane	ND	5.3	0.46	ug/Kg	06/05/14	JLI	SW8260	
1,2-Dichloropropane	ND	5.3	0.75	ug/Kg	06/05/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	5.3	0.69	ug/Kg	06/05/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	5.3	0.78	ug/Kg	06/05/14	JLI	SW8260	
1,3-Dichloropropane	ND	5.3	0.56	ug/Kg	06/05/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	5.3	0.83	ug/Kg	06/05/14	JLI	SW8260	
2,2-Dichloropropane	ND	5.3	0.88	ug/Kg	06/05/14	JLI	SW8260	
2-Chlorotoluene	ND	5.3	0.84	ug/Kg	06/05/14	JLI	SW8260	
2-Hexanone	ND	26	2.4	ug/Kg	06/05/14	JLI	SW8260	
2-Isopropyltoluene	ND	5.3	0.73	ug/Kg	06/05/14	JLI	SW8260	1

Project ID: 1038 GREENE AVE BROOKLYN
Client ID: B2 18-20 FT

Phoenix I.D.: BG52565

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Chlorotoluene	ND		5.3	0.61	ug/Kg	06/05/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		26	1.3	ug/Kg	06/05/14	JLI	SW8260	
Acetone	6.2	JS	50	5.2	ug/Kg	06/05/14	JLI	SW8260	
Acrylonitrile	ND		11	3.0	ug/Kg	06/05/14	JLI	SW8260	
Benzene	ND		5.3	1.0	ug/Kg	06/05/14	JLI	SW8260	
Bromobenzene	ND		5.3	0.68	ug/Kg	06/05/14	JLI	SW8260	
Bromochloromethane	ND		5.3	0.77	ug/Kg	06/05/14	JLI	SW8260	
Bromodichloromethane	ND		5.3	0.65	ug/Kg	06/05/14	JLI	SW8260	
Bromoform	ND		5.3	0.74	ug/Kg	06/05/14	JLI	SW8260	
Bromomethane	ND		5.3	4.1	ug/Kg	06/05/14	JLI	SW8260	
Carbon Disulfide	ND		5.3	0.85	ug/Kg	06/05/14	JLI	SW8260	
Carbon tetrachloride	ND		5.3	0.61	ug/Kg	06/05/14	JLI	SW8260	
Chlorobenzene	ND		5.3	0.78	ug/Kg	06/05/14	JLI	SW8260	
Chloroethane	ND		5.3	1.2	ug/Kg	06/05/14	JLI	SW8260	
Chloroform	ND		5.3	0.96	ug/Kg	06/05/14	JLI	SW8260	
Chloromethane	ND		5.3	2.8	ug/Kg	06/05/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.3	1.1	ug/Kg	06/05/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.3	0.57	ug/Kg	06/05/14	JLI	SW8260	
Dibromochloromethane	ND		5.3	0.59	ug/Kg	06/05/14	JLI	SW8260	
Dibromomethane	ND		5.3	0.66	ug/Kg	06/05/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.3	1.4	ug/Kg	06/05/14	JLI	SW8260	
Ethylbenzene	ND		5.3	0.96	ug/Kg	06/05/14	JLI	SW8260	
Hexachlorobutadiene	ND		5.3	1.1	ug/Kg	06/05/14	JLI	SW8260	
Isopropylbenzene	ND		5.3	1.0	ug/Kg	06/05/14	JLI	SW8260	
m&p-Xylene	ND		5.3	2.1	ug/Kg	06/05/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		32	4.6	ug/Kg	06/05/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	06/05/14	JLI	SW8260	
Methylene chloride	2.7	JS	5.3	0.86	ug/Kg	06/05/14	JLI	SW8260	
Naphthalene	ND		5.3	1.4	ug/Kg	06/05/14	JLI	SW8260	
n-Butylbenzene	ND		5.3	0.96	ug/Kg	06/05/14	JLI	SW8260	
n-Propylbenzene	ND		5.3	0.95	ug/Kg	06/05/14	JLI	SW8260	
o-Xylene	ND		5.3	2.0	ug/Kg	06/05/14	JLI	SW8260	
p-Isopropyltoluene	ND		5.3	0.76	ug/Kg	06/05/14	JLI	SW8260	
sec-Butylbenzene	ND		5.3	0.99	ug/Kg	06/05/14	JLI	SW8260	
Styrene	ND		5.3	1.5	ug/Kg	06/05/14	JLI	SW8260	
tert-Butylbenzene	ND		5.3	0.84	ug/Kg	06/05/14	JLI	SW8260	
Tetrachloroethene	ND		5.3	1.1	ug/Kg	06/05/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND		11	4.7	ug/Kg	06/05/14	JLI	SW8260	1
Toluene	ND		5.3	0.83	ug/Kg	06/05/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND		5.3	1.1	ug/Kg	06/05/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND		5.3	1.1	ug/Kg	06/05/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND		11	9.8	ug/Kg	06/05/14	JLI	SW8260	
Trichloroethene	ND		5.3	1.1	ug/Kg	06/05/14	JLI	SW8260	
Trichlorofluoromethane	ND		5.3	1.2	ug/Kg	06/05/14	JLI	SW8260	
Trichlorotrifluoroethane	ND		5.3	0.82	ug/Kg	06/05/14	JLI	SW8260	
Vinyl chloride	ND		5.3	1.7	ug/Kg	06/05/14	JLI	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100				%	06/05/14	JLI	70 - 130 %	
% Bromofluorobenzene	96				%	06/05/14	JLI	70 - 130 %	

Project ID: 1038 GREENE AVE BROOKLYN
Client ID: B2 18-20 FT

Phoenix I.D.: BG52565

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Dibromofluoromethane	99			%	06/05/14	JLI	70 - 130 %
% Toluene-d8	99			%	06/05/14	JLI	70 - 130 %
Semivolatiles							
Acenaphthene	ND	240	110	ug/Kg	06/05/14	PL	SW 8270
Acenaphthylene	ND	240	98	ug/Kg	06/05/14	PL	SW 8270
Anthracene	ND	240	110	ug/Kg	06/05/14	PL	SW 8270
Benz(a)anthracene	ND	240	120	ug/Kg	06/05/14	PL	SW 8270
Benzo(a)pyrene	ND	240	110	ug/Kg	06/05/14	PL	SW 8270
Benzo(b)fluoranthene	ND	240	120	ug/Kg	06/05/14	PL	SW 8270
Benzo(ghi)perylene	ND	240	110	ug/Kg	06/05/14	PL	SW 8270
Benzo(k)fluoranthene	ND	240	120	ug/Kg	06/05/14	PL	SW 8270
Chrysene	ND	240	120	ug/Kg	06/05/14	PL	SW 8270
Dibenz(a,h)anthracene	ND	240	110	ug/Kg	06/05/14	PL	SW 8270
Fluoranthene	ND	240	110	ug/Kg	06/05/14	PL	SW 8270
Fluorene	ND	240	120	ug/Kg	06/05/14	PL	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	120	ug/Kg	06/05/14	PL	SW 8270
Naphthalene	ND	240	100	ug/Kg	06/05/14	PL	SW 8270
Phenanthrene	ND	240	100	ug/Kg	06/05/14	PL	SW 8270
Pyrene	ND	240	120	ug/Kg	06/05/14	PL	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	72			%	06/05/14	PL	30 - 130 %
% Nitrobenzene-d5	79			%	06/05/14	PL	30 - 130 %
% Terphenyl-d14	83			%	06/05/14	PL	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
June 09, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

June 09, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	CU	06/03/14	0:00
Location Code:	EBC	Received by:	SW	06/04/14	16:17
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG52564
Phoenix ID: BG52566

Project ID: 1038 GREENE AVE BROOKLYN
Client ID: B5 18-20 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Percent Solid	91			%	06/04/14	I	E160.3	
Soil Extraction SVOA PAH	Completed				06/04/14	JJ/FV	SW3545	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.5	0.90	ug/Kg	06/05/14	JLI	SW8260	
1,1,1-Trichloroethane	ND	5.5	1.1	ug/Kg	06/05/14	JLI	SW8260	
1,1,2,2-Tetrachloroethane	ND	5.5	0.78	ug/Kg	06/05/14	JLI	SW8260	
1,1,2-Trichloroethane	ND	5.5	0.54	ug/Kg	06/05/14	JLI	SW8260	
1,1-Dichloroethane	ND	5.5	1.1	ug/Kg	06/05/14	JLI	SW8260	
1,1-Dichloroethene	ND	5.5	1.2	ug/Kg	06/05/14	JLI	SW8260	
1,1-Dichloropropene	ND	5.5	1.1	ug/Kg	06/05/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	5.5	1.1	ug/Kg	06/05/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	5.5	0.78	ug/Kg	06/05/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	5.5	1.1	ug/Kg	06/05/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	5.5	0.79	ug/Kg	06/05/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.5	1.5	ug/Kg	06/05/14	JLI	SW8260	
1,2-Dibromoethane	ND	5.5	1.5	ug/Kg	06/05/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	5.5	0.60	ug/Kg	06/05/14	JLI	SW8260	
1,2-Dichloroethane	ND	5.5	0.48	ug/Kg	06/05/14	JLI	SW8260	
1,2-Dichloropropane	ND	5.5	0.78	ug/Kg	06/05/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	5.5	0.73	ug/Kg	06/05/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	5.5	0.81	ug/Kg	06/05/14	JLI	SW8260	
1,3-Dichloropropane	ND	5.5	0.58	ug/Kg	06/05/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	5.5	0.87	ug/Kg	06/05/14	JLI	SW8260	
2,2-Dichloropropane	ND	5.5	0.92	ug/Kg	06/05/14	JLI	SW8260	
2-Chlorotoluene	ND	5.5	0.88	ug/Kg	06/05/14	JLI	SW8260	
2-Hexanone	ND	27	2.5	ug/Kg	06/05/14	JLI	SW8260	
2-Isopropyltoluene	ND	5.5	0.76	ug/Kg	06/05/14	JLI	SW8260	1

Project ID: 1038 GREENE AVE BROOKLYN
Client ID: B5 18-20 FT

Phoenix I.D.: BG52566

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Chlorotoluene	ND		5.5	0.64	ug/Kg	06/05/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	06/05/14	JLI	SW8260	
Acetone	15	JS	50	5.5	ug/Kg	06/05/14	JLI	SW8260	
Acrylonitrile	ND		11	3.1	ug/Kg	06/05/14	JLI	SW8260	
Benzene	ND		5.5	1.1	ug/Kg	06/05/14	JLI	SW8260	
Bromobenzene	ND		5.5	0.71	ug/Kg	06/05/14	JLI	SW8260	
Bromochloromethane	ND		5.5	0.80	ug/Kg	06/05/14	JLI	SW8260	
Bromodichloromethane	ND		5.5	0.68	ug/Kg	06/05/14	JLI	SW8260	
Bromoform	ND		5.5	0.77	ug/Kg	06/05/14	JLI	SW8260	
Bromomethane	ND		5.5	4.2	ug/Kg	06/05/14	JLI	SW8260	
Carbon Disulfide	ND		5.5	0.89	ug/Kg	06/05/14	JLI	SW8260	
Carbon tetrachloride	ND		5.5	0.64	ug/Kg	06/05/14	JLI	SW8260	
Chlorobenzene	ND		5.5	0.81	ug/Kg	06/05/14	JLI	SW8260	
Chloroethane	ND		5.5	1.3	ug/Kg	06/05/14	JLI	SW8260	
Chloroform	ND		5.5	1.0	ug/Kg	06/05/14	JLI	SW8260	
Chloromethane	ND		5.5	2.9	ug/Kg	06/05/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.5	1.2	ug/Kg	06/05/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.5	0.59	ug/Kg	06/05/14	JLI	SW8260	
Dibromochloromethane	ND		5.5	0.62	ug/Kg	06/05/14	JLI	SW8260	
Dibromomethane	ND		5.5	0.69	ug/Kg	06/05/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.5	1.5	ug/Kg	06/05/14	JLI	SW8260	
Ethylbenzene	ND		5.5	1.0	ug/Kg	06/05/14	JLI	SW8260	
Hexachlorobutadiene	ND		5.5	1.2	ug/Kg	06/05/14	JLI	SW8260	
Isopropylbenzene	ND		5.5	1.1	ug/Kg	06/05/14	JLI	SW8260	
m&p-Xylene	ND		5.5	2.2	ug/Kg	06/05/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		33	4.8	ug/Kg	06/05/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	06/05/14	JLI	SW8260	
Methylene chloride	3.4	JS	5.5	0.90	ug/Kg	06/05/14	JLI	SW8260	
Naphthalene	ND		5.5	1.5	ug/Kg	06/05/14	JLI	SW8260	
n-Butylbenzene	ND		5.5	1.0	ug/Kg	06/05/14	JLI	SW8260	
n-Propylbenzene	ND		5.5	0.99	ug/Kg	06/05/14	JLI	SW8260	
o-Xylene	ND		5.5	2.1	ug/Kg	06/05/14	JLI	SW8260	
p-Isopropyltoluene	ND		5.5	0.79	ug/Kg	06/05/14	JLI	SW8260	
sec-Butylbenzene	ND		5.5	1.0	ug/Kg	06/05/14	JLI	SW8260	
Styrene	ND		5.5	1.6	ug/Kg	06/05/14	JLI	SW8260	
tert-Butylbenzene	ND		5.5	0.88	ug/Kg	06/05/14	JLI	SW8260	
Tetrachloroethene	ND		5.5	1.2	ug/Kg	06/05/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND		11	4.9	ug/Kg	06/05/14	JLI	SW8260	1
Toluene	ND		5.5	0.87	ug/Kg	06/05/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND		5.5	1.1	ug/Kg	06/05/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND		5.5	1.1	ug/Kg	06/05/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND		11	10	ug/Kg	06/05/14	JLI	SW8260	
Trichloroethene	ND		5.5	1.2	ug/Kg	06/05/14	JLI	SW8260	
Trichlorofluoromethane	ND		5.5	1.2	ug/Kg	06/05/14	JLI	SW8260	
Trichlorotrifluoroethane	ND		5.5	0.86	ug/Kg	06/05/14	JLI	SW8260	
Vinyl chloride	ND		5.5	1.8	ug/Kg	06/05/14	JLI	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	104				%	06/05/14	JLI	70 - 130 %	
% Bromofluorobenzene	93				%	06/05/14	JLI	70 - 130 %	

Project ID: 1038 GREENE AVE BROOKLYN
Client ID: B5 18-20 FT

Phoenix I.D.: BG52566

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Dibromofluoromethane	96			%	06/05/14	JLI	70 - 130 %
% Toluene-d8	99			%	06/05/14	JLI	70 - 130 %
Semivolatiles							
Acenaphthene	ND	250	110	ug/Kg	06/05/14	DD	SW 8270
Acenaphthylene	ND	250	100	ug/Kg	06/05/14	DD	SW 8270
Anthracene	ND	250	120	ug/Kg	06/05/14	DD	SW 8270
Benz(a)anthracene	ND	250	120	ug/Kg	06/05/14	DD	SW 8270
Benzo(a)pyrene	ND	250	120	ug/Kg	06/05/14	DD	SW 8270
Benzo(b)fluoranthene	ND	250	120	ug/Kg	06/05/14	DD	SW 8270
Benzo(ghi)perylene	ND	250	120	ug/Kg	06/05/14	DD	SW 8270
Benzo(k)fluoranthene	ND	250	120	ug/Kg	06/05/14	DD	SW 8270
Chrysene	ND	250	120	ug/Kg	06/05/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	120	ug/Kg	06/05/14	DD	SW 8270
Fluoranthene	ND	250	120	ug/Kg	06/05/14	DD	SW 8270
Fluorene	ND	250	120	ug/Kg	06/05/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	06/05/14	DD	SW 8270
Naphthalene	ND	250	100	ug/Kg	06/05/14	DD	SW 8270
Phenanthrene	ND	250	100	ug/Kg	06/05/14	DD	SW 8270
Pyrene	ND	250	120	ug/Kg	06/05/14	DD	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	88			%	06/05/14	DD	30 - 130 %
% Nitrobenzene-d5	95			%	06/05/14	DD	30 - 130 %
% Terphenyl-d14	93			%	06/05/14	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 09, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

June 09, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	CU	06/03/14	0:00
Location Code:	EBC	Received by:	SW	06/04/14	16:17
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG52564
Phoenix ID: BG52567

Project ID: 1038 GREENE AVE BROOKLYN
Client ID: FILL MATERIALS

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.34	0.34	0.34	mg/Kg	06/05/14	LK	SW6010
Arsenic	18.4	0.7	0.68	mg/Kg	06/05/14	LK	SW6010
Barium	77.5	0.7	0.34	mg/Kg	06/05/14	LK	SW6010
Cadmium	0.43	0.34	0.14	mg/Kg	06/05/14	LK	SW6010
Chromium	18.7	0.34	0.34	mg/Kg	06/05/14	LK	SW6010
Mercury	0.16	0.08	0.05	mg/Kg	06/05/14	RS	SW-7471
Lead	81.7	0.7	0.34	mg/Kg	06/05/14	LK	SW6010
Selenium	< 1.4	1.4	1.2	mg/Kg	06/05/14	LK	SW6010
Percent Solid	91			%	06/04/14	I	E160.3
Mercury Digestion	Completed				06/05/14	I/I	SW7471
Total Metals Digest	Completed				06/04/14	CB/AG	SW846 - 3050

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Please be advised that the NY unrestricted soil criteria for chromium is based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
June 09, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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QA/QC Report

June 09, 2014

QA/QC Data

SDG I.D.: GBG52564

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 276180, QC Sample No: BG52567 (BG52567)													
Mercury - Soil	BRL	0.16	0.14	NC	101	108	6.7	94.1	103	9.0	70 - 130	30	
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 276119, QC Sample No: BG52647 (BG52567)													
ICP Metals - Soil													
Arsenic	BRL	2.4	2.05	NC	86.6	85.7	1.0	85.6	83.6	2.4	75 - 125	30	
Barium	BRL	17.7	17.2	2.90	94.3	91.2	3.3	103	97.6	5.4	75 - 125	30	
Cadmium	BRL	<0.35	<0.38	NC	86.9	84.1	3.3	88.6	86.7	2.2	75 - 125	30	
Chromium	BRL	5.50	6.02	9.00	96.0	93.6	2.5	95.5	92.5	3.2	75 - 125	30	
Lead	BRL	29.1	30.9	6.00	86.2	83.9	2.7	100	86.5	14.5	75 - 125	30	
Selenium	BRL	<1.4	<1.5	NC	107	75.2	34.9	75.4	73.9	2.0	75 - 125	30	m,r
Silver	BRL	<0.35	<0.38	NC	90.0	88.4	1.8	91.7	89.8	2.1	75 - 125	30	

m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

June 09, 2014

QA/QC Data

SDG I.D.: GBG52564

QA/QC Batch 276215, QC Sample No: BG52565 (BG52564, BG52565, BG52566)

Volatiles - Solid

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,1,1,2-Tetrachloroethane	ND	104	104	0.0	98	99	1.0	70 - 130	30	
1,1,1-Trichloroethane	ND	97	95	2.1	92	94	2.2	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	105	105	0.0	100	100	0.0	70 - 130	30	
1,1,2-Trichloroethane	ND	104	103	1.0	98	97	1.0	70 - 130	30	
1,1-Dichloroethane	ND	99	97	2.0	92	94	2.2	70 - 130	30	
1,1-Dichloroethene	ND	94	93	1.1	90	92	2.2	70 - 130	30	
1,1-Dichloropropene	ND	104	103	1.0	101	101	0.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	117	116	0.9	103	101	2.0	70 - 130	30	
1,2,3-Trichloropropane	ND	101	99	2.0	93	94	1.1	70 - 130	30	
1,2,4-Trichlorobenzene	ND	122	122	0.0	106	102	3.8	70 - 130	30	
1,2,4-Trimethylbenzene	ND	105	105	0.0	98	97	1.0	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	104	105	1.0	92	95	3.2	70 - 130	30	
1,2-Dibromoethane	ND	104	103	1.0	97	97	0.0	70 - 130	30	
1,2-Dichlorobenzene	ND	103	103	0.0	98	97	1.0	70 - 130	30	
1,2-Dichloroethane	ND	97	95	2.1	92	91	1.1	70 - 130	30	
1,2-Dichloropropane	ND	99	97	2.0	96	95	1.0	70 - 130	30	
1,3,5-Trimethylbenzene	ND	104	104	0.0	99	98	1.0	70 - 130	30	
1,3-Dichlorobenzene	ND	106	105	0.9	99	97	2.0	70 - 130	30	
1,3-Dichloropropane	ND	103	103	0.0	98	98	0.0	70 - 130	30	
1,4-Dichlorobenzene	ND	106	106	0.0	99	97	2.0	70 - 130	30	
2,2-Dichloropropane	ND	102	101	1.0	94	93	1.1	70 - 130	30	
2-Chlorotoluene	ND	103	103	0.0	100	99	1.0	70 - 130	30	
2-Hexanone	ND	121	122	0.8	75	77	2.6	70 - 130	30	
2-Isopropyltoluene	ND	100	101	1.0	99	98	1.0	70 - 130	30	
4-Chlorotoluene	ND	109	109	0.0	101	98	3.0	70 - 130	30	
4-Methyl-2-pentanone	ND	115	113	1.8	81	81	0.0	70 - 130	30	
Acetone	ND	115	110	4.4	57	55	3.6	70 - 130	30	m
Acrylonitrile	ND	93	91	2.2	84	86	2.4	70 - 130	30	
Benzene	ND	101	99	2.0	98	98	0.0	70 - 130	30	
Bromobenzene	ND	105	103	1.9	100	99	1.0	70 - 130	30	
Bromochloromethane	ND	101	100	1.0	99	99	0.0	70 - 130	30	
Bromodichloromethane	ND	99	99	0.0	98	98	0.0	70 - 130	30	
Bromoform	ND	98	100	2.0	92	94	2.2	70 - 130	30	
Bromomethane	ND	95	95	0.0	94	96	2.1	70 - 130	30	
Carbon Disulfide	ND	99	97	2.0	87	90	3.4	70 - 130	30	
Carbon tetrachloride	ND	99	99	0.0	95	96	1.0	70 - 130	30	
Chlorobenzene	ND	103	103	0.0	99	98	1.0	70 - 130	30	
Chloroethane	ND	95	92	3.2	91	92	1.1	70 - 130	30	
Chloroform	ND	97	96	1.0	95	95	0.0	70 - 130	30	
Chloromethane	ND	81	79	2.5	72	74	2.7	70 - 130	30	
cis-1,2-Dichloroethene	ND	103	102	1.0	98	99	1.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBG52564

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
cis-1,3-Dichloropropene	ND	100	100	0.0	97	97	0.0	70 - 130	30	
Dibromochloromethane	ND	106	107	0.9	97	100	3.0	70 - 130	30	
Dibromomethane	ND	103	101	2.0	97	97	0.0	70 - 130	30	
Dichlorodifluoromethane	ND	92	91	1.1	70	71	1.4	70 - 130	30	
Ethylbenzene	ND	100	101	1.0	97	97	0.0	70 - 130	30	
Hexachlorobutadiene	ND	110	111	0.9	104	101	2.9	70 - 130	30	
Isopropylbenzene	ND	103	102	1.0	99	99	0.0	70 - 130	30	
m&p-Xylene	ND	102	101	1.0	97	97	0.0	70 - 130	30	
Methyl ethyl ketone	ND	101	98	3.0	66	66	0.0	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	99	97	2.0	85	84	1.2	70 - 130	30	
Methylene chloride	ND	71	71	0.0	64	65	1.6	70 - 130	30	m
Naphthalene	ND	109	108	0.9	99	98	1.0	70 - 130	30	
n-Butylbenzene	ND	110	110	0.0	99	97	2.0	70 - 130	30	
n-Propylbenzene	ND	106	107	0.9	100	98	2.0	70 - 130	30	
o-Xylene	ND	100	100	0.0	94	94	0.0	70 - 130	30	
p-Isopropyltoluene	ND	105	105	0.0	99	98	1.0	70 - 130	30	
sec-Butylbenzene	ND	99	99	0.0	99	97	2.0	70 - 130	30	
Styrene	ND	99	99	0.0	93	93	0.0	70 - 130	30	
tert-Butylbenzene	ND	101	100	1.0	98	98	0.0	70 - 130	30	
Tetrachloroethene	ND	108	110	1.8	104	103	1.0	70 - 130	30	
Tetrahydrofuran (THF)	ND	88	86	2.3	79	79	0.0	70 - 130	30	
Toluene	ND	101	99	2.0	97	97	0.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	96	95	1.0	92	93	1.1	70 - 130	30	
trans-1,3-Dichloropropene	ND	97	97	0.0	94	95	1.1	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	120	120	0.0	102	102	0.0	70 - 130	30	
Trichloroethene	ND	105	104	1.0	99	99	0.0	70 - 130	30	
Trichlorofluoromethane	ND	99	98	1.0	92	93	1.1	70 - 130	30	
Trichlorotrifluoroethane	ND	100	98	2.0	90	91	1.1	70 - 130	30	
Vinyl chloride	ND	92	91	1.1	83	84	1.2	70 - 130	30	
% 1,2-dichlorobenzene-d4	100	99	100	1.0	100	98	2.0	70 - 130	30	
% Bromofluorobenzene	98	98	99	1.0	99	99	0.0	70 - 130	30	
% Dibromofluoromethane	100	103	104	1.0	101	104	2.9	70 - 130	30	
% Toluene-d8	98	98	98	0.0	98	98	0.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 276138, QC Sample No: BG52565 (BG52564, BG52565, BG52566)

Polynuclear Aromatic HC - Solid

Acenaphthene	ND	74	83	11.5	82	83	1.2	30 - 130	30
Acenaphthylene	ND	75	84	11.3	82	84	2.4	30 - 130	30
Anthracene	ND	76	84	10.0	84	85	1.2	30 - 130	30
Benz(a)anthracene	ND	77	85	9.9	86	86	0.0	30 - 130	30
Benzo(a)pyrene	ND	70	77	9.5	80	80	0.0	30 - 130	30
Benzo(b)fluoranthene	ND	75	85	12.5	86	88	2.3	30 - 130	30
Benzo(ghi)perylene	ND	81	86	6.0	93	94	1.1	30 - 130	30
Benzo(k)fluoranthene	ND	77	90	15.6	90	91	1.1	30 - 130	30
Chrysene	ND	75	84	11.3	85	85	0.0	30 - 130	30
Dibenz(a,h)anthracene	ND	85	89	4.6	97	98	1.0	30 - 130	30
Fluoranthene	ND	75	83	10.1	84	85	1.2	30 - 130	30
Fluorene	ND	76	85	11.2	84	86	2.4	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	83	87	4.7	96	97	1.0	30 - 130	30
Naphthalene	ND	71	79	10.7	77	79	2.6	30 - 130	30
Phenanthrene	ND	78	86	9.8	86	87	1.2	30 - 130	30

QA/QC Data

SDG I.D.: GBG52564

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Pyrene	ND	74	82	10.3	84	85	1.2	30 - 130	30
% 2-Fluorobiphenyl	72	70	79	12.1	76	78	2.6	30 - 130	30
% Nitrobenzene-d5	80	72	82	13.0	79	80	1.3	30 - 130	30
% Terphenyl-d14	80	73	82	11.6	83	85	2.4	30 - 130	30

m = This parameter is outside laboratory ms/msd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
June 09, 2014

Sample Criteria Exceedences Report

GBG52564 - EBC

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG52567	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	18.4	0.7	16	16	mg/Kg
BG52567	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	18.4	0.7	16	16	mg/Kg
BG52567	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	18.4	0.7	13	13	mg/Kg
BG52567	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	81.7	0.7	63	63	mg/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

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NY Temperature Narration

June 09, 2014

SDG I.D.: GBG52564

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

Cooler: Yes ☑ No ☐
Coolant: IPK ☑ ICE ☐ No ☐
Temp 4 °C Pg 1 of 1

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
☐ Fax:
☐ Phone:
☒ Email: csosik@ebcincny.com

Customer: EBC
Address: 1808 Middle Country Rd Ridge NY

Project: 1038 Greene Ave. Brooklyn
Report to: EBC
Invoice to:
Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification
Sampler's Signature: Chen Zhuyong Date: 6-3-2014

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs 8260	SVOCs CP51 List	Metals CRCRA7	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container (8) oz	GL Soil container (2) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
52564	B1 13-15'	S	6-3		X	X				1	1						
52565	B2 18-20'	S	6-3		X	X				1	1						
52566	B5 18-20'	S	6-3		X	X				1	1						
52567	Fill Materials	S	6-3				X			1							

Relinquished by:	Accepted by:	Date:	Time:
Chen Zhuyong	[signature]	6-4-14	10:09
[signature]		6-4-14	1617

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ 5 Days
☐ 10 Days
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TAGM 4046 GW
☐ TAGM 4046 SOIL
☒ NY375 Unrestricted Use Soil
☒ NY375 Residential Soil
☒ Restricted/Residential
☐ Commercial
☐ Industrial

Data Format
☐ Phoenix Std Report
☒ Excel
☒ PDF
☐ GIS/Key
☐ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY

PHOENIX
Environmental Laboratories, Inc.

Tuesday, September 09, 2014

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 1036 GREEN ST., BROOKLYN
Sample ID#s: BH02824 - BH02828

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
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Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 09, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:		09/01/14	0:00
Location Code:	EBC	Received by:	LB	09/02/14	17:07
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH02824
Phoenix ID: BH02824

Project ID: 1036 GREEN ST., BROOKLYN
Client ID: SG-5

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	09/07/14	KCA	TO15	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	09/07/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	09/07/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	09/07/14	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	09/07/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	09/07/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	09/07/14	KCA	TO15	
1,2,4-Trimethylbenzene	2.50	*0.204*	12.3	*1.00*	09/07/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	09/07/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	09/07/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	09/07/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	09/07/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	09/07/14	KCA	TO15	
1,3,5-Trimethylbenzene	0.850	*0.204*	4.18	*1.00*	09/07/14	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	09/07/14	KCA	TO15	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	09/07/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	09/07/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	09/07/14	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	09/07/14	KCA	TO15	1
4-Ethyltoluene	0.660	*0.204*	3.24	*1.00*	09/07/14	KCA	TO15	1
4-Isopropyltoluene	0.270	*0.182*	1.48	*1.00*	09/07/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	1.03	*0.244*	4.22	*1.00*	09/07/14	KCA	TO15	
Acetone	7.32	*0.421*	17.4	*1.00*	09/07/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	09/07/14	KCA	TO15	
Benzene	1.01	*0.313*	3.22	*1.00*	09/07/14	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	09/07/14	KCA	TO15	

Project ID: 1036 GREEN ST., BROOKLYN
Client ID: SG-5

Phoenix I.D.: BH02824

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND		*0.149*	ND	*1.00*	09/07/14	KCA	TO15	
Bromoform	ND		*0.097*	ND	*1.00*	09/07/14	KCA	TO15	
Bromomethane	ND		*0.258*	ND	*1.00*	09/07/14	KCA	TO15	
Carbon Disulfide	5.54		*0.321*	17.2	*1.00*	09/07/14	KCA	TO15	
Carbon Tetrachloride	0.150		*0.040*	0.943	*0.25*	09/07/14	KCA	TO15	
Chlorobenzene	ND		*0.217*	ND	*1.00*	09/07/14	KCA	TO15	
Chloroethane	ND		*0.379*	ND	*1.00*	09/07/14	KCA	TO15	
Chloroform	1.08		*0.205*	5.27	*1.00*	09/07/14	KCA	TO15	
Chloromethane	ND		*0.484*	ND	*1.00*	09/07/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	09/07/14	KCA	TO15	
cis-1,3-Dichloropropene	ND		*0.220*	ND	*1.00*	09/07/14	KCA	TO15	
Cyclohexane	1.13		*0.291*	3.89	*1.00*	09/07/14	KCA	TO15	
Dibromochloromethane	ND		*0.117*	ND	*1.00*	09/07/14	KCA	TO15	
Dichlorodifluoromethane	0.590		*0.202*	2.92	*1.00*	09/07/14	KCA	TO15	
Ethanol	43.9	E	*0.531*	82.7	*1.00*	09/07/14	KCA	TO15	1
Ethyl acetate	0.500		*0.278*	1.80	*1.00*	09/07/14	KCA	TO15	1
Ethylbenzene	5.17		*0.230*	22.4	*1.00*	09/07/14	KCA	TO15	
Heptane	4.85		*0.244*	19.9	*1.00*	09/07/14	KCA	TO15	
Hexachlorobutadiene	ND		*0.094*	ND	*1.00*	09/07/14	KCA	TO15	
Hexane	1.02		*0.284*	3.59	*1.00*	09/07/14	KCA	TO15	
Isopropylalcohol	0.680		*0.407*	1.67	*1.00*	09/07/14	KCA	TO15	
Isopropylbenzene	1.21		*0.204*	5.94	*1.00*	09/07/14	KCA	TO15	
m,p-Xylene	13.4		*0.230*	58.1	*1.00*	09/07/14	KCA	TO15	
Methyl Ethyl Ketone	1.87		*0.339*	5.51	*1.00*	09/07/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	ND	*1.00*	09/07/14	KCA	TO15	
Methylene Chloride	ND		*0.288*	ND	*1.00*	09/07/14	KCA	TO15	
n-Butylbenzene	0.270		*0.182*	1.48	*1.00*	09/07/14	KCA	TO15	1
o-Xylene	5.29		*0.230*	23.0	*1.00*	09/07/14	KCA	TO15	
Propylene	4.62		*0.581*	7.95	*1.00*	09/07/14	KCA	TO15	1
sec-Butylbenzene	0.380		*0.182*	2.08	*1.00*	09/07/14	KCA	TO15	1
Styrene	0.370		*0.235*	1.58	*1.00*	09/07/14	KCA	TO15	
Tetrachloroethene	8.87		*0.037*	60.1	*0.25*	09/07/14	KCA	TO15	
Tetrahydrofuran	ND		*0.339*	ND	*1.00*	09/07/14	KCA	TO15	1
Toluene	9.15		*0.266*	34.5	*1.00*	09/07/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	09/07/14	KCA	TO15	
trans-1,3-Dichloropropene	ND		*0.220*	ND	*1.00*	09/07/14	KCA	TO15	
Trichloroethene	5.05		*0.047*	27.1	*0.25*	09/07/14	KCA	TO15	
Trichlorofluoromethane	0.300		*0.178*	1.68	*1.00*	09/07/14	KCA	TO15	
Trichlorotrifluoroethane	ND		*0.130*	ND	*1.00*	09/07/14	KCA	TO15	
Vinyl Chloride	ND		*0.098*	ND	*0.25*	09/07/14	KCA	TO15	
QA/QC Surrogates									
% Bromofluorobenzene	105		*%*	105	*%*	09/07/14	KCA	TO15	

Project ID: 1036 GREEN ST., BROOKLYN

Client ID: SG-5

Phoenix I.D.: BH02824

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

E = Estimated value quantitated above calibration range for this compound.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

September 09, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 09, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:		09/01/14	0:00
Location Code:	EBC	Received by:	LB	09/02/14	17:07
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH02824
Phoenix ID: BH02825

Project ID: 1036 GREEN ST., BROOKLYN
Client ID: SG-4

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	09/08/14	KCA	TO15	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	09/08/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	09/08/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	09/08/14	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	09/08/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	09/08/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	09/08/14	KCA	TO15	
1,2,4-Trimethylbenzene	1.56	*0.204*	7.66	*1.00*	09/08/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	09/08/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	09/08/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	09/08/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	09/08/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	09/08/14	KCA	TO15	
1,3,5-Trimethylbenzene	0.490	*0.204*	2.41	*1.00*	09/08/14	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	09/08/14	KCA	TO15	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	09/08/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	09/08/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	09/08/14	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	09/08/14	KCA	TO15	1
4-Ethyltoluene	0.330	*0.204*	1.62	*1.00*	09/08/14	KCA	TO15	1
4-Isopropyltoluene	0.190	*0.182*	1.04	*1.00*	09/08/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	1.19	*0.244*	4.87	*1.00*	09/08/14	KCA	TO15	
Acetone	4.11	*0.421*	9.76	*1.00*	09/08/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	09/08/14	KCA	TO15	
Benzene	ND	*0.313*	ND	*1.00*	09/08/14	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	09/08/14	KCA	TO15	

Project ID: 1036 GREEN ST., BROOKLYN
Client ID: SG-4

Phoenix I.D.: BH02825

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND		*0.149*	ND	*1.00*	09/08/14	KCA	TO15	
Bromoform	ND		*0.097*	ND	*1.00*	09/08/14	KCA	TO15	
Bromomethane	ND		*0.258*	ND	*1.00*	09/08/14	KCA	TO15	
Carbon Disulfide	2.04		*0.321*	6.35	*1.00*	09/08/14	KCA	TO15	
Carbon Tetrachloride	0.140		*0.040*	0.880	*0.25*	09/08/14	KCA	TO15	
Chlorobenzene	ND		*0.217*	ND	*1.00*	09/08/14	KCA	TO15	
Chloroethane	ND		*0.379*	ND	*1.00*	09/08/14	KCA	TO15	
Chloroform	0.620		*0.205*	3.02	*1.00*	09/08/14	KCA	TO15	
Chloromethane	ND		*0.484*	ND	*1.00*	09/08/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	09/08/14	KCA	TO15	
cis-1,3-Dichloropropene	ND		*0.220*	ND	*1.00*	09/08/14	KCA	TO15	
Cyclohexane	ND		*0.291*	ND	*1.00*	09/08/14	KCA	TO15	
Dibromochloromethane	ND		*0.117*	ND	*1.00*	09/08/14	KCA	TO15	
Dichlorodifluoromethane	0.550		*0.202*	2.72	*1.00*	09/08/14	KCA	TO15	
Ethanol	44.4	E	*0.531*	83.6	*1.00*	09/08/14	KCA	TO15	1
Ethyl acetate	0.660		*0.278*	2.38	*1.00*	09/08/14	KCA	TO15	1
Ethylbenzene	1.35		*0.230*	5.86	*1.00*	09/08/14	KCA	TO15	
Heptane	0.480		*0.244*	1.96	*1.00*	09/08/14	KCA	TO15	
Hexachlorobutadiene	ND		*0.094*	ND	*1.00*	09/08/14	KCA	TO15	
Hexane	0.360		*0.284*	1.27	*1.00*	09/08/14	KCA	TO15	
Isopropylalcohol	0.560		*0.407*	1.38	*1.00*	09/08/14	KCA	TO15	
Isopropylbenzene	0.230		*0.204*	1.13	*1.00*	09/08/14	KCA	TO15	
m,p-Xylene	4.79		*0.230*	20.8	*1.00*	09/08/14	KCA	TO15	
Methyl Ethyl Ketone	0.570		*0.339*	1.68	*1.00*	09/08/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	ND	*1.00*	09/08/14	KCA	TO15	
Methylene Chloride	ND		*0.288*	ND	*1.00*	09/08/14	KCA	TO15	
n-Butylbenzene	ND		*0.182*	ND	*1.00*	09/08/14	KCA	TO15	1
o-Xylene	1.97		*0.230*	8.55	*1.00*	09/08/14	KCA	TO15	
Propylene	1.21		*0.581*	2.08	*1.00*	09/08/14	KCA	TO15	1
sec-Butylbenzene	ND		*0.182*	ND	*1.00*	09/08/14	KCA	TO15	1
Styrene	0.380		*0.235*	1.62	*1.00*	09/08/14	KCA	TO15	
Tetrachloroethene	12.0		*0.037*	81.3	*0.25*	09/08/14	KCA	TO15	
Tetrahydrofuran	ND		*0.339*	ND	*1.00*	09/08/14	KCA	TO15	1
Toluene	1.51		*0.266*	5.69	*1.00*	09/08/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	09/08/14	KCA	TO15	
trans-1,3-Dichloropropene	ND		*0.220*	ND	*1.00*	09/08/14	KCA	TO15	
Trichloroethene	6.89		*0.047*	37.0	*0.25*	09/08/14	KCA	TO15	
Trichlorofluoromethane	0.270		*0.178*	1.52	*1.00*	09/08/14	KCA	TO15	
Trichlorotrifluoroethane	ND		*0.130*	ND	*1.00*	09/08/14	KCA	TO15	
Vinyl Chloride	ND		*0.098*	ND	*0.25*	09/08/14	KCA	TO15	
QA/QC Surrogates									
% Bromofluorobenzene	103		*%*	103	*%*	09/08/14	KCA	TO15	

Project ID: 1036 GREEN ST., BROOKLYN

Client ID: SG-4

Phoenix I.D.: BH02825

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

E = Estimated value quantitated above calibration range for this compound.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

September 09, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 09, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:		09/01/14	0:00
Location Code:	EBC	Received by:	LB	09/02/14	17:07
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH02824
Phoenix ID: BH02826

Project ID: 1036 GREEN ST., BROOKLYN
Client ID: SG-1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	09/08/14	KCA	TO15	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	09/08/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	09/08/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	09/08/14	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	09/08/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	09/08/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	09/08/14	KCA	TO15	
1,2,4-Trimethylbenzene	7.69	*0.204*	37.8	*1.00*	09/08/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	09/08/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	09/08/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	09/08/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	09/08/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	09/08/14	KCA	TO15	
1,3,5-Trimethylbenzene	4.21	*0.204*	20.7	*1.00*	09/08/14	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	09/08/14	KCA	TO15	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	09/08/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	09/08/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	09/08/14	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	09/08/14	KCA	TO15	1
4-Ethyltoluene	2.67	*0.204*	13.1	*1.00*	09/08/14	KCA	TO15	1
4-Isopropyltoluene	0.290	*0.182*	1.59	*1.00*	09/08/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	1.33	*0.244*	5.44	*1.00*	09/08/14	KCA	TO15	
Acetone	ND	*0.421*	ND	*1.00*	09/08/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	09/08/14	KCA	TO15	
Benzene	17.7	*0.313*	56.5	*1.00*	09/08/14	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	09/08/14	KCA	TO15	

Project ID: 1036 GREEN ST., BROOKLYN
Client ID: SG-1

Phoenix I.D.: BH02826

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND		*0.149*	ND	*1.00*	09/08/14	KCA	TO15	
Bromoform	ND		*0.097*	ND	*1.00*	09/08/14	KCA	TO15	
Bromomethane	ND		*0.258*	ND	*1.00*	09/08/14	KCA	TO15	
Carbon Disulfide	10.6		*0.321*	33.0	*1.00*	09/08/14	KCA	TO15	
Carbon Tetrachloride	ND		*0.040*	ND	*0.25*	09/08/14	KCA	TO15	
Chlorobenzene	ND		*0.217*	ND	*1.00*	09/08/14	KCA	TO15	
Chloroethane	ND		*0.379*	ND	*1.00*	09/08/14	KCA	TO15	
Chloroform	1.62		*0.205*	7.90	*1.00*	09/08/14	KCA	TO15	
Chloromethane	ND		*0.484*	ND	*1.00*	09/08/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	09/08/14	KCA	TO15	
cis-1,3-Dichloropropene	ND		*0.220*	ND	*1.00*	09/08/14	KCA	TO15	
Cyclohexane	26.6		*0.291*	91.5	*1.00*	09/08/14	KCA	TO15	
Dibromochloromethane	ND		*0.117*	ND	*1.00*	09/08/14	KCA	TO15	
Dichlorodifluoromethane	0.540		*0.202*	2.67	*1.00*	09/08/14	KCA	TO15	
Ethanol	41.3	E	*0.531*	77.8	*1.00*	09/08/14	KCA	TO15	1
Ethyl acetate	ND		*0.278*	ND	*1.00*	09/08/14	KCA	TO15	1
Ethylbenzene	6.44		*0.230*	27.9	*1.00*	09/08/14	KCA	TO15	
Heptane	29.1		*0.244*	119	*1.00*	09/08/14	KCA	TO15	
Hexachlorobutadiene	ND		*0.094*	ND	*1.00*	09/08/14	KCA	TO15	
Hexane	27.4		*0.284*	96.5	*1.00*	09/08/14	KCA	TO15	
Isopropylalcohol	ND		*0.407*	ND	*1.00*	09/08/14	KCA	TO15	
Isopropylbenzene	0.420		*0.204*	2.06	*1.00*	09/08/14	KCA	TO15	
m,p-Xylene	48.1		*0.230*	209	*1.00*	09/08/14	KCA	TO15	
Methyl Ethyl Ketone	1.55		*0.339*	4.57	*1.00*	09/08/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	ND	*1.00*	09/08/14	KCA	TO15	
Methylene Chloride	0.740		*0.288*	2.57	*1.00*	09/08/14	KCA	TO15	
n-Butylbenzene	0.220		*0.182*	1.21	*1.00*	09/08/14	KCA	TO15	1
o-Xylene	23.2		*0.230*	101	*1.00*	09/08/14	KCA	TO15	
Propylene	25.6		*0.581*	44.0	*1.00*	09/08/14	KCA	TO15	1
sec-Butylbenzene	ND		*0.182*	ND	*1.00*	09/08/14	KCA	TO15	1
Styrene	0.440		*0.235*	1.87	*1.00*	09/08/14	KCA	TO15	
Tetrachloroethene	4.19		*0.037*	28.4	*0.25*	09/08/14	KCA	TO15	
Tetrahydrofuran	ND		*0.339*	ND	*1.00*	09/08/14	KCA	TO15	1
Toluene	53.5		*0.266*	201	*1.00*	09/08/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	09/08/14	KCA	TO15	
trans-1,3-Dichloropropene	ND		*0.220*	ND	*1.00*	09/08/14	KCA	TO15	
Trichloroethene	1.62		*0.047*	8.70	*0.25*	09/08/14	KCA	TO15	
Trichlorofluoromethane	0.260		*0.178*	1.46	*1.00*	09/08/14	KCA	TO15	
Trichlorotrifluoroethane	ND		*0.130*	ND	*1.00*	09/08/14	KCA	TO15	
Vinyl Chloride	1.57		*0.098*	4.01	*0.25*	09/08/14	KCA	TO15	
QA/QC Surrogates									
% Bromofluorobenzene	114		*%*	114	*%*	09/08/14	KCA	TO15	

Project ID: 1036 GREEN ST., BROOKLYN

Client ID: SG-1

Phoenix I.D.: BH02826

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

E = Estimated value quantitated above calibration range for this compound.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

September 09, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 09, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:		09/01/14	0:00
Location Code:	EBC	Received by:	LB	09/02/14	17:07
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH02824
Phoenix ID: BH02827

Project ID: 1036 GREEN ST., BROOKLYN
Client ID: SG-3

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	09/08/14	KCA	TO15	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	09/08/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	09/08/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	09/08/14	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	09/08/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	09/08/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	09/08/14	KCA	TO15	
1,2,4-Trimethylbenzene	1.65	*0.204*	8.11	*1.00*	09/08/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	09/08/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	09/08/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	09/08/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	09/08/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	09/08/14	KCA	TO15	
1,3,5-Trimethylbenzene	0.480	*0.204*	2.36	*1.00*	09/08/14	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	09/08/14	KCA	TO15	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	09/08/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	09/08/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	09/08/14	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	09/08/14	KCA	TO15	1
4-Ethyltoluene	0.260	*0.204*	1.28	*1.00*	09/08/14	KCA	TO15	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	09/08/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	2.12	*0.244*	8.68	*1.00*	09/08/14	KCA	TO15	
Acetone	5.57	*0.421*	13.2	*1.00*	09/08/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	09/08/14	KCA	TO15	
Benzene	0.620	*0.313*	1.98	*1.00*	09/08/14	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	09/08/14	KCA	TO15	

Project ID: 1036 GREEN ST., BROOKLYN
Client ID: SG-3

Phoenix I.D.: BH02827

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND		*0.149*	ND	*1.00*	09/08/14	KCA	TO15	
Bromoform	ND		*0.097*	ND	*1.00*	09/08/14	KCA	TO15	
Bromomethane	ND		*0.258*	ND	*1.00*	09/08/14	KCA	TO15	
Carbon Disulfide	3.28		*0.321*	10.2	*1.00*	09/08/14	KCA	TO15	
Carbon Tetrachloride	0.110		*0.040*	0.692	*0.25*	09/08/14	KCA	TO15	
Chlorobenzene	ND		*0.217*	ND	*1.00*	09/08/14	KCA	TO15	
Chloroethane	ND		*0.379*	ND	*1.00*	09/08/14	KCA	TO15	
Chloroform	0.300		*0.205*	1.46	*1.00*	09/08/14	KCA	TO15	
Chloromethane	ND		*0.484*	ND	*1.00*	09/08/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	09/08/14	KCA	TO15	
cis-1,3-Dichloropropene	ND		*0.220*	ND	*1.00*	09/08/14	KCA	TO15	
Cyclohexane	0.380		*0.291*	1.31	*1.00*	09/08/14	KCA	TO15	
Dibromochloromethane	ND		*0.117*	ND	*1.00*	09/08/14	KCA	TO15	
Dichlorodifluoromethane	0.580		*0.202*	2.87	*1.00*	09/08/14	KCA	TO15	
Ethanol	66.1	E	*0.531*	124	*1.00*	09/08/14	KCA	TO15	1
Ethyl acetate	1.14		*0.278*	4.10	*1.00*	09/08/14	KCA	TO15	1
Ethylbenzene	0.970		*0.230*	4.21	*1.00*	09/08/14	KCA	TO15	
Heptane	0.650		*0.244*	2.66	*1.00*	09/08/14	KCA	TO15	
Hexachlorobutadiene	ND		*0.094*	ND	*1.00*	09/08/14	KCA	TO15	
Hexane	0.540		*0.284*	1.90	*1.00*	09/08/14	KCA	TO15	
Isopropylalcohol	0.700		*0.407*	1.72	*1.00*	09/08/14	KCA	TO15	
Isopropylbenzene	ND		*0.204*	ND	*1.00*	09/08/14	KCA	TO15	
m,p-Xylene	3.47		*0.230*	15.0	*1.00*	09/08/14	KCA	TO15	
Methyl Ethyl Ketone	0.720		*0.339*	2.12	*1.00*	09/08/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	ND	*1.00*	09/08/14	KCA	TO15	
Methylene Chloride	ND		*0.288*	ND	*1.00*	09/08/14	KCA	TO15	
n-Butylbenzene	ND		*0.182*	ND	*1.00*	09/08/14	KCA	TO15	1
o-Xylene	1.50		*0.230*	6.51	*1.00*	09/08/14	KCA	TO15	
Propylene	1.24		*0.581*	2.13	*1.00*	09/08/14	KCA	TO15	1
sec-Butylbenzene	ND		*0.182*	ND	*1.00*	09/08/14	KCA	TO15	1
Styrene	0.500		*0.235*	2.13	*1.00*	09/08/14	KCA	TO15	
Tetrachloroethene	14.4		*0.037*	97.6	*0.25*	09/08/14	KCA	TO15	
Tetrahydrofuran	ND		*0.339*	ND	*1.00*	09/08/14	KCA	TO15	1
Toluene	2.06		*0.266*	7.76	*1.00*	09/08/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	09/08/14	KCA	TO15	
trans-1,3-Dichloropropene	ND		*0.220*	ND	*1.00*	09/08/14	KCA	TO15	
Trichloroethene	14.2		*0.047*	76.3	*0.25*	09/08/14	KCA	TO15	
Trichlorofluoromethane	0.260		*0.178*	1.46	*1.00*	09/08/14	KCA	TO15	
Trichlorotrifluoroethane	ND		*0.130*	ND	*1.00*	09/08/14	KCA	TO15	
Vinyl Chloride	ND		*0.098*	ND	*0.25*	09/08/14	KCA	TO15	
QA/QC Surrogates									
% Bromofluorobenzene	104		*%*	104	*%*	09/08/14	KCA	TO15	

Project ID: 1036 GREEN ST., BROOKLYN

Client ID: SG-3

Phoenix I.D.: BH02827

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

E = Estimated value quantitated above calibration range for this compound.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

September 09, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 09, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:		09/01/14	0:00
Location Code:	EBC	Received by:	LB	09/02/14	17:07
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH02824
Phoenix ID: BH02828

Project ID: 1036 GREEN ST., BROOKLYN
Client ID: SG-2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	09/08/14	KCA	TO15	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	09/08/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	09/08/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	09/08/14	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	09/08/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	09/08/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	09/08/14	KCA	TO15	
1,2,4-Trimethylbenzene	1.11	*0.204*	5.45	*1.00*	09/08/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	09/08/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	09/08/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	09/08/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	09/08/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	09/08/14	KCA	TO15	
1,3,5-Trimethylbenzene	0.320	*0.204*	1.57	*1.00*	09/08/14	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	09/08/14	KCA	TO15	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	09/08/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	09/08/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	09/08/14	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	09/08/14	KCA	TO15	1
4-Ethyltoluene	0.220	*0.204*	1.08	*1.00*	09/08/14	KCA	TO15	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	09/08/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	1.87	*0.244*	7.66	*1.00*	09/08/14	KCA	TO15	
Acetone	9.33	*0.421*	22.1	*1.00*	09/08/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	09/08/14	KCA	TO15	
Benzene	0.710	*0.313*	2.27	*1.00*	09/08/14	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	09/08/14	KCA	TO15	

Project ID: 1036 GREEN ST., BROOKLYN
Client ID: SG-2

Phoenix I.D.: BH02828

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND		*0.149*	ND	*1.00*	09/08/14	KCA	TO15	
Bromoform	ND		*0.097*	ND	*1.00*	09/08/14	KCA	TO15	
Bromomethane	ND		*0.258*	ND	*1.00*	09/08/14	KCA	TO15	
Carbon Disulfide	2.21		*0.321*	6.88	*1.00*	09/08/14	KCA	TO15	
Carbon Tetrachloride	0.110		*0.040*	0.692	*0.25*	09/08/14	KCA	TO15	
Chlorobenzene	ND		*0.217*	ND	*1.00*	09/08/14	KCA	TO15	
Chloroethane	ND		*0.379*	ND	*1.00*	09/08/14	KCA	TO15	
Chloroform	0.650		*0.205*	3.17	*1.00*	09/08/14	KCA	TO15	
Chloromethane	ND		*0.484*	ND	*1.00*	09/08/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	09/08/14	KCA	TO15	
cis-1,3-Dichloropropene	ND		*0.220*	ND	*1.00*	09/08/14	KCA	TO15	
Cyclohexane	0.440		*0.291*	1.51	*1.00*	09/08/14	KCA	TO15	
Dibromochloromethane	ND		*0.117*	ND	*1.00*	09/08/14	KCA	TO15	
Dichlorodifluoromethane	0.550		*0.202*	2.72	*1.00*	09/08/14	KCA	TO15	
Ethanol	74.9	E	*0.531*	141	*1.00*	09/08/14	KCA	TO15	1
Ethyl acetate	1.84		*0.278*	6.63	*1.00*	09/08/14	KCA	TO15	1
Ethylbenzene	1.22		*0.230*	5.29	*1.00*	09/08/14	KCA	TO15	
Heptane	1.25		*0.244*	5.12	*1.00*	09/08/14	KCA	TO15	
Hexachlorobutadiene	ND		*0.094*	ND	*1.00*	09/08/14	KCA	TO15	
Hexane	1.94		*0.284*	6.83	*1.00*	09/08/14	KCA	TO15	
Isopropylalcohol	1.78		*0.407*	4.37	*1.00*	09/08/14	KCA	TO15	
Isopropylbenzene	ND		*0.204*	ND	*1.00*	09/08/14	KCA	TO15	
m,p-Xylene	3.23		*0.230*	14.0	*1.00*	09/08/14	KCA	TO15	
Methyl Ethyl Ketone	1.19		*0.339*	3.51	*1.00*	09/08/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	ND	*1.00*	09/08/14	KCA	TO15	
Methylene Chloride	3.38		*0.288*	11.7	*1.00*	09/08/14	KCA	TO15	
n-Butylbenzene	ND		*0.182*	ND	*1.00*	09/08/14	KCA	TO15	1
o-Xylene	1.05		*0.230*	4.56	*1.00*	09/08/14	KCA	TO15	
Propylene	3.37		*0.581*	5.80	*1.00*	09/08/14	KCA	TO15	1
sec-Butylbenzene	ND		*0.182*	ND	*1.00*	09/08/14	KCA	TO15	1
Styrene	0.310		*0.235*	1.32	*1.00*	09/08/14	KCA	TO15	
Tetrachloroethene	0.740		*0.037*	5.02	*0.25*	09/08/14	KCA	TO15	
Tetrahydrofuran	ND		*0.339*	ND	*1.00*	09/08/14	KCA	TO15	1
Toluene	2.25		*0.266*	8.47	*1.00*	09/08/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	09/08/14	KCA	TO15	
trans-1,3-Dichloropropene	ND		*0.220*	ND	*1.00*	09/08/14	KCA	TO15	
Trichloroethene	0.440		*0.047*	2.36	*0.25*	09/08/14	KCA	TO15	
Trichlorofluoromethane	0.240		*0.178*	1.35	*1.00*	09/08/14	KCA	TO15	
Trichlorotrifluoroethane	ND		*0.130*	ND	*1.00*	09/08/14	KCA	TO15	
Vinyl Chloride	ND		*0.098*	ND	*0.25*	09/08/14	KCA	TO15	
QA/QC Surrogates									
% Bromofluorobenzene	102		*%*	102	*%*	09/08/14	KCA	TO15	

Project ID: 1036 GREEN ST., BROOKLYN

Client ID: SG-2

Phoenix I.D.: BH02828

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

E = Estimated value quantitated above calibration range for this compound.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

September 09, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

September 09, 2014

QA/QC Data

SDG I.D.: GBH02824

QA/QC Batch 285515, QC Sample No: BH02826 (BH02824, BH02825, BH02826, BH02827, BH02828)

Volatiles

Parameter	Blank ppbv	Blank ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
1,1,1,2-Tetrachloroethane	ND	ND	120	ND	ND	ND	ND	NC	70 - 130	20
1,1,1-Trichloroethane	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
1,1,2,2-Tetrachloroethane	ND	ND	109	ND	ND	ND	ND	NC	70 - 130	20
1,1,2-Trichloroethane	ND	ND	112	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethane	ND	ND	99	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethene	ND	ND	96	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trichlorobenzene	ND	ND	90	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trimethylbenzene	ND	ND	107	37.8	37.6	7.69	7.66	0.4	70 - 130	20
1,2-Dibromoethane(EDB)	ND	ND	112	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorobenzene	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichloroethane	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
1,2-dichloropropane	ND	ND	110	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorotetrafluoroethane	ND	ND	116	ND	ND	ND	ND	NC	70 - 130	20
1,3,5-Trimethylbenzene	ND	ND	103	20.7	20.6	4.21	4.20	0.2	70 - 130	20
1,3-Butadiene	ND	ND	99	ND	ND	ND	ND	NC	70 - 130	20
1,3-Dichlorobenzene	ND	ND	110	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dichlorobenzene	ND	ND	112	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dioxane	ND	ND	105	ND	ND	ND	ND	NC	70 - 130	20
2-Hexanone(MBK)	ND	ND	114	ND	ND	ND	ND	NC	70 - 130	20
4-Ethyltoluene	ND	ND	105	13.1	18.9	2.67	3.85	36.2	70 - 130	20
4-Isopropyltoluene	ND	ND	97	1.59	1.59	0.290	0.290	0.0	70 - 130	20
4-Methyl-2-pentanone(MIBK)	ND	ND	119	5.44	5.16	1.33	1.26	5.4	70 - 130	20
Acetone	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
Acrylonitrile	ND	ND	105	ND	ND	ND	ND	NC	70 - 130	20
Benzene	ND	ND	103	56.5	57.5	17.7	18.0	1.7	70 - 130	20
Benzyl chloride	ND	ND	129	ND	ND	ND	ND	NC	70 - 130	20
Bromodichloromethane	ND	ND	117	ND	ND	ND	ND	NC	70 - 130	20
Bromoform	ND	ND	136	ND	ND	ND	ND	NC	70 - 130	20
Bromomethane	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
Carbon Disulfide	ND	ND	97	33.0	33.3	10.6	10.7	0.9	70 - 130	20
Carbon Tetrachloride	ND	ND	111	ND	ND	ND	ND	NC	70 - 130	20
Chlorobenzene	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
Chloroethane	ND	ND	95	ND	ND	ND	ND	NC	70 - 130	20
Chloroform	ND	ND	101	7.90	7.86	1.62	1.61	0.6	70 - 130	20
Chloromethane	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
Cis-1,2-Dichloroethene	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
cis-1,3-Dichloropropene	ND	ND	113	ND	ND	ND	ND	NC	70 - 130	20
Cyclohexane	ND	ND	100	91.5	92.9	26.6	27.0	1.5	70 - 130	20
Dibromochloromethane	ND	ND	129	ND	ND	ND	ND	NC	70 - 130	20
Dichlorodifluoromethane	ND	ND	107	2.67	2.62	0.540	0.530	1.9	70 - 130	20
Ethanol	ND	ND	78	77.8	79.8	41.3	42.4	2.6	70 - 130	20

QA/QC Data

SDG I.D.: GBH02824

Parameter	Blank ppbv	Blank ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Ethyl acetate	ND	ND	119	ND	ND	ND	ND	NC	70 - 130	20
Ethylbenzene	ND	ND	106	27.9	28.0	6.44	6.46	0.3	70 - 130	20
Heptane	ND	ND	103	119	110	29.1	26.8	8.2	70 - 130	20
Hexachlorobutadiene	ND	ND	78	ND	ND	ND	ND	NC	70 - 130	20
Hexane	ND	ND	103	96.5	93.7	27.4	26.6	3.0	70 - 130	20
Isopropylalcohol	ND	ND	99	ND	ND	ND	ND	NC	70 - 130	20
Isopropylbenzene	ND	ND	105	2.06	2.06	0.420	0.420	0.0	70 - 130	20
m,p-Xylene	ND	ND	109	209	210	48.1	48.5	0.8	70 - 130	20
Methyl Ethyl Ketone	ND	ND	100	4.57	4.57	1.55	1.55	0.0	70 - 130	20
Methyl tert-butyl ether(MTBE)	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20
Methylene Chloride	ND	ND	89	2.57	2.64	0.740	0.760	2.7	70 - 130	20
n-Butylbenzene	ND	ND	98	1.21	1.21	0.220	0.220	0.0	70 - 130	20
o-Xylene	ND	ND	105	101	102	23.2	23.4	0.9	70 - 130	20
Propylene	ND	ND	105	44.0	44.5	25.6	25.9	1.2	70 - 130	20
sec-Butylbenzene	ND	ND	97	ND	ND	ND	ND	NC	70 - 130	20
Styrene	ND	ND	111	1.87	1.87	0.440	0.440	0.0	70 - 130	20
Tetrachloroethene	ND	ND	110	28.4	25.9	4.19	3.82	9.2	70 - 130	20
Tetrahydrofuran	ND	ND	120	ND	ND	ND	ND	NC	70 - 130	20
Toluene	ND	ND	109	201	184	53.5	49.0	8.8	70 - 130	20
Trans-1,2-Dichloroethene	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
trans-1,3-Dichloropropene	ND	ND	116	ND	ND	ND	ND	NC	70 - 130	20
Trichloroethene	ND	ND	106	8.70	8.00	1.62	1.49	8.4	70 - 130	20
Trichlorofluoromethane	ND	ND	101	1.46	1.46	0.260	0.260	0.0	70 - 130	20
Trichlorotrifluoroethane	ND	ND	96	ND	ND	ND	ND	NC	70 - 130	20
Vinyl Chloride	ND	ND	97	4.01	4.11	1.57	1.61	2.5	70 - 130	20
% Bromofluorobenzene	112	112	102	114	115	114	115	0.9	70 - 130	20

I = This parameter is outside laboratory lcs/lcsd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
September 09, 2014

Sample Criteria Exceedences Report

GBH02824 - EBC

Criteria: None

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

PHOENIX Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

CHAIN OF CUSTODY RECORD
AIR ANALYSES

800-827-5426

email: greg@phoenixlabs.com

P.O. #

Data Delivery:
- ☐ Fax #:
- ☑ Email: csoak@ebcinc.com
- ☑ Phone #: 631.504.6000

Report to: Kevin Waters

Customer: EBC

Address: 1808 Middle Country Rd
Ridge, NY 11961

Invoice to: EBC

Sampled by: Kristen Discenza

Project Name: 1036 Green St. Brooklyn

Requested Deliverable:
- RCP ☐
- ASP CAT B ☐
- MCP ☐
- NJ Deliverables ☐

State where samples collected:

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-14	TO-15
		THIS SECTION FOR LAB USE ONLY											MATRIX			ANALYSES	
02824	SG-5	217	6.0	-30	-7	0331	41.6	859	1101	8/21	-30	-8		X			X
	[redacted]	172				4988											
02825	[redacted] SG-4	480			-6	4957		915	1113	8/29	-30	-6		X			
02826	[redacted] SG-1	218			-2	5039		936	1129	8/29	-30	-3		X			
02827	[redacted] SG-3	13647			-5	5044		954	1159	8/29	-30	-5		X			
02828	SG-2	463			-4	4981		1031	1229	8/29	-30	-5		X			X
	6L 2hrs																

Relinquished by: [signature]

Accepted by: [signature]

Date: 9-2-14 Time:

Date: 9-2-14 Time: 1707

Data Format:
- Excel ☑
- Equis ☐
- GISKey ☐
- PDF ☑
- Other: ☐

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

can #172 not used

* air can and Regulator were Returned * MSP

Requested Criteria

Quote Number:

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:

Signature: _____ Date: _____

PHOENIX
Environmental Laboratories, Inc.

Tuesday, September 09, 2014

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 1036 GREEN ST BROOKLYN
Sample ID#s: BH02809 - BH02812

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

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Environmental Laboratories, Inc.
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NY # 11301

SDG Comments

September 09, 2014

SDG I.D.: GBH02809

8260 Volatile Organics:
1,2-Dibromoethane, 1,2,3 Trichloropropane, and 1,2-Dibromo-3-chloropropane do not meet NY TOGS GA criteria, these compounds are analyzed by GC/FID method 504 or 8011 to achieve this criteria.

SIM Analysis:
The lowest possible reporting limit under SIM conditions is 0.02 ug/L. The NY TOGS GA criteria for some PAHs is 0.002 ug/L. This level can not be achieved.

PHOENIX

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 09, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		08/29/14	0:00
Location Code:	EBC	Received by:	SW	09/02/14	17:07
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH02809
Phoenix ID: BH02809

Project ID: 1036 GREEN ST BROOKLYN
Client ID: MW-1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver (Dissolved)	< 0.005	0.005		mg/L	09/04/14	LK	SW6010
Aluminum (Dissolved)	1.30	0.01		mg/L	09/02/14	LK	SW6010
Arsenic, (Dissolved)	0.004	0.003		mg/L	09/02/14	LK	SW6010
Barium (Dissolved)	0.062	0.011		mg/L	09/02/14	LK	SW6010
Beryllium (Dissolved)	< 0.001	0.001		mg/L	09/02/14	LK	SW6010
Calcium (Dissolved)	42.8	0.01		mg/L	09/02/14	LK	SW6010
Cadmium (Dissolved)	< 0.004	0.004		mg/L	09/02/14	LK	SW6010
Cobalt, (Dissolved)	< 0.005	0.005		mg/L	09/02/14	LK	SW6010
Chromium (Dissolved)	0.007	0.001		mg/L	09/02/14	LK	SW6010
Copper, (Dissolved)	< 0.005	0.005		mg/L	09/02/14	LK	SW6010
Iron, (Dissolved)	2.39	0.01		mg/L	09/02/14	LK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002		mg/L	09/04/14	MA	SW7470
Potassium (Dissolved)	2.8	0.1		mg/L	09/04/14	LK	SW6010
Magnesium (Dissolved)	11.5	0.01		mg/L	09/02/14	LK	SW6010
Manganese, (Dissolved)	1.25	0.005		mg/L	09/02/14	LK	SW6010
Sodium (Dissolved)	77.7	1.1		mg/L	09/02/14	LK	SW6010
Nickel, (Dissolved)	0.013	0.004		mg/L	09/02/14	LK	SW6010
Lead (Dissolved)	< 0.002	0.002		mg/L	09/02/14	LK	SW6010
Antimony, (Dissolved)	< 0.003	0.003		mg/L	09/03/14	TH	7010
Selenium, (Dissolved)	< 0.004	0.004		mg/L	09/05/14	TH	7010
Thallium , (Dissolved)	< 0.001	0.001		mg/L	09/02/14	TH	7010
Vanadium, (Dissolved)	< 0.011	0.011		mg/L	09/02/14	LK	SW6010
Zinc, (Dissolved)	< 0.011	0.011		mg/L	09/02/14	LK	SW6010
Filtration	Completed				09/02/14	AG	0.45um Filter
Dissolved Mercury Digestion	Completed				09/04/14	I/I	SW7470
PCB Extraction (2 Liter)	Completed				09/02/14	L	SW3510
Extraction for Pest (2 Liter)	Completed				09/02/14	L	SW3510
Semi-Volatile Extraction	Completed				09/02/14	E/K/D	SW3520

Project ID: 1036 GREEN ST BROOKLYN
Client ID: MW-1

Phoenix I.D.: BH02809

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Dissolved Metals Preparation	Completed				09/02/14	AG	SW846-3005	
Pesticides								
4,4' -DDD	ND	0.012		ug/L	09/04/14	CE	SW8081	
4,4' -DDE	ND	0.012		ug/L	09/04/14	CE	SW8081	
4,4' -DDT	ND	0.012		ug/L	09/04/14	CE	SW8081	
a-BHC	ND	0.006		ug/L	09/04/14	CE	SW8081	
a-chlordane	ND	0.012		ug/L	09/04/14	CE	SW8081	
Alachlor	ND	0.090		ug/L	09/04/14	CE	SW8081	1
Aldrin	ND	0.002		ug/L	09/04/14	CE	SW8081	
b-BHC	ND	0.006		ug/L	09/04/14	CE	SW8081	
Chlordane	ND	0.12		ug/L	09/04/14	CE	SW8081	
d-BHC	ND	0.006		ug/L	09/04/14	CE	SW8081	
Dieldrin	ND	0.002		ug/L	09/04/14	CE	SW8081	
Endosulfan I	ND	0.012		ug/L	09/04/14	CE	SW8081	
Endosulfan II	ND	0.012		ug/L	09/04/14	CE	SW8081	
Endosulfan Sulfate	ND	0.012		ug/L	09/04/14	CE	SW8081	
Endrin	ND	0.012		ug/L	09/04/14	CE	SW8081	
Endrin Aldehyde	ND	0.012		ug/L	09/04/14	CE	SW8081	
Endrin ketone	ND	0.012		ug/L	09/04/14	CE	SW8081	
g-BHC (Lindane)	ND	0.006		ug/L	09/04/14	CE	SW8081	
g-chlordane	ND	0.012		ug/L	09/04/14	CE	SW8081	
Heptachlor	ND	0.012		ug/L	09/04/14	CE	SW8081	
Heptachlor epoxide	ND	0.012		ug/L	09/04/14	CE	SW8081	
Methoxychlor	ND	0.12		ug/L	09/04/14	CE	SW8081	
Toxaphene	ND	0.30		ug/L	09/04/14	CE	SW8081	
QA/QC Surrogates								
%DCBP (Surrogate Rec)	41			%	09/04/14	CE	SW8081	
%TCMX (Surrogate Rec)	77			%	09/04/14	CE	SW8081	
Polychlorinated Biphenyls								
PCB-1016	ND	0.060	0.060	ug/L	09/03/14	AW	608/ 8082	
PCB-1221	ND	0.060	0.060	ug/L	09/03/14	AW	608/ 8082	
PCB-1232	ND	0.060	0.060	ug/L	09/03/14	AW	608/ 8082	
PCB-1242	ND	0.060	0.060	ug/L	09/03/14	AW	608/ 8082	
PCB-1248	ND	0.060	0.060	ug/L	09/03/14	AW	608/ 8082	
PCB-1254	ND	0.060	0.060	ug/L	09/03/14	AW	608/ 8082	
PCB-1260	ND	0.060	0.060	ug/L	09/03/14	AW	608/ 8082	
PCB-1262	ND	0.060	0.060	ug/L	09/03/14	AW	608/ 8082	
PCB-1268	ND	0.060	0.060	ug/L	09/03/14	AW	608/ 8082	
QA/QC Surrogates								
% DCBP	36			%	09/03/14	AW	30 - 150 %	
% TCMX	77			%	09/03/14	AW	30 - 150 %	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/L	09/02/14	HM	SW8260	
1,1,1-Trichloroethane	ND	5.0	0.19	ug/L	09/02/14	HM	SW8260	
1,1,2,2-Tetrachloroethane	ND	1.0	0.15	ug/L	09/02/14	HM	SW8260	
1,1,2-Trichloroethane	ND	1.0	0.20	ug/L	09/02/14	HM	SW8260	
1,1-Dichloroethane	ND	5.0	0.23	ug/L	09/02/14	HM	SW8260	

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Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND		1.0	0.24	ug/L	09/02/14	HM	SW8260	
1,1-Dichloropropene	ND		1.0	0.20	ug/L	09/02/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		1.0	0.20	ug/L	09/02/14	HM	SW8260	
1,2,3-Trichloropropane	ND		1.0	0.21	ug/L	09/02/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		1.0	0.18	ug/L	09/02/14	HM	SW8260	
1,2,4-Trimethylbenzene	ND		1.0	0.18	ug/L	09/02/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		1.0	0.36	ug/L	09/02/14	HM	SW8260	
1,2-Dibromoethane	ND		1.0	0.20	ug/L	09/02/14	HM	SW8260	
1,2-Dichlorobenzene	ND		1.0	0.16	ug/L	09/02/14	HM	SW8260	
1,2-Dichloroethane	ND		0.60	0.20	ug/L	09/02/14	HM	SW8260	
1,2-Dichloropropane	ND		1.0	0.18	ug/L	09/02/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		1.0	0.21	ug/L	09/02/14	HM	SW8260	
1,3-Dichlorobenzene	ND		5.0	0.19	ug/L	09/02/14	HM	SW8260	
1,3-Dichloropropane	ND		1.0	0.22	ug/L	09/02/14	HM	SW8260	
1,4-Dichlorobenzene	ND		5.0	0.19	ug/L	09/02/14	HM	SW8260	
2,2-Dichloropropane	ND		1.0	0.16	ug/L	09/02/14	HM	SW8260	
2-Chlorotoluene	ND		1.0	0.23	ug/L	09/02/14	HM	SW8260	
2-Hexanone	ND		1.0	0.27	ug/L	09/02/14	HM	SW8260	
2-Isopropyltoluene	ND		1.0	0.21	ug/L	09/02/14	HM	SW8260	1
4-Chlorotoluene	ND		1.0	0.16	ug/L	09/02/14	HM	SW8260	
4-Methyl-2-pentanone	ND		1.0	0.19	ug/L	09/02/14	HM	SW8260	
Acetone	1.0	JS	5.0	0.31	ug/L	09/02/14	HM	SW8260	
Acrolein	ND		5.0	0.95	ug/L	09/02/14	HM	SW8260	
Acrylonitrile	ND		5.0	0.17	ug/L	09/02/14	HM	SW8260	
Benzene	ND		0.70	0.19	ug/L	09/02/14	HM	SW8260	
Bromobenzene	ND		1.0	0.20	ug/L	09/02/14	HM	SW8260	
Bromochloromethane	ND		1.0	0.22	ug/L	09/02/14	HM	SW8260	
Bromodichloromethane	ND		1.0	0.16	ug/L	09/02/14	HM	SW8260	
Bromoform	ND		5.0	0.10	ug/L	09/02/14	HM	SW8260	
Bromomethane	ND		5.0	0.50	ug/L	09/02/14	HM	SW8260	
Carbon Disulfide	ND		1.0	0.24	ug/L	09/02/14	HM	SW8260	
Carbon tetrachloride	ND		1.0	0.23	ug/L	09/02/14	HM	SW8260	
Chlorobenzene	ND		5.0	0.20	ug/L	09/02/14	HM	SW8260	
Chloroethane	ND		5.0	0.24	ug/L	09/02/14	HM	SW8260	
Chloroform	2.3	J	5.0	0.22	ug/L	09/02/14	HM	SW8260	
Chloromethane	ND		5.0	0.21	ug/L	09/02/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L	09/02/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		0.40	0.15	ug/L	09/02/14	HM	SW8260	
Dibromochloromethane	ND		1.0	0.15	ug/L	09/02/14	HM	SW8260	
Dibromomethane	ND		1.0	0.23	ug/L	09/02/14	HM	SW8260	
Dichlorodifluoromethane	ND		1.0	0.26	ug/L	09/02/14	HM	SW8260	
Ethylbenzene	ND		1.0	0.19	ug/L	09/02/14	HM	SW8260	
Hexachlorobutadiene	ND		1.0	0.13	ug/L	09/02/14	HM	SW8260	
Isopropylbenzene	ND		1.0	0.22	ug/L	09/02/14	HM	SW8260	
m&p-Xylene	ND		1.0	0.42	ug/L	09/02/14	HM	SW8260	
Methyl ethyl ketone	ND		1.0	0.50	ug/L	09/02/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		1.0	0.19	ug/L	09/02/14	HM	SW8260	
Methylene chloride	ND		3.0	0.16	ug/L	09/02/14	HM	SW8260	
Naphthalene	ND		1.0	0.19	ug/L	09/02/14	HM	SW8260	

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Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
n-Butylbenzene	ND		1.0	0.22	ug/L	09/02/14	HM	SW8260	
n-Propylbenzene	ND		1.0	0.20	ug/L	09/02/14	HM	SW8260	
o-Xylene	ND		1.0	0.45	ug/L	09/02/14	HM	SW8260	
p-Isopropyltoluene	ND		1.0	0.21	ug/L	09/02/14	HM	SW8260	
sec-Butylbenzene	ND		1.0	0.22	ug/L	09/02/14	HM	SW8260	
Styrene	ND		1.0	0.41	ug/L	09/02/14	HM	SW8260	
tert-Butylbenzene	ND		1.0	0.23	ug/L	09/02/14	HM	SW8260	
Tetrachloroethene	0.86	J	1.0	0.24	ug/L	09/02/14	HM	SW8260	
Tetrahydrofuran (THF)	ND		5.0	0.51	ug/L	09/02/14	HM	SW8260	1
Toluene	ND		1.0	0.20	ug/L	09/02/14	HM	SW8260	
trans-1,2-Dichloroethene	ND		5.0	0.20	ug/L	09/02/14	HM	SW8260	
trans-1,3-Dichloropropene	ND		0.40	0.14	ug/L	09/02/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND		1.0	0.45	ug/L	09/02/14	HM	SW8260	
Trichloroethene	0.42	J	1.0	0.18	ug/L	09/02/14	HM	SW8260	
Trichlorofluoromethane	ND		1.0	0.23	ug/L	09/02/14	HM	SW8260	
Trichlorotrifluoroethane	ND		1.0	0.23	ug/L	09/02/14	HM	SW8260	
Vinyl chloride	ND		1.0	0.14	ug/L	09/02/14	HM	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	98				%	09/02/14	HM	70 - 130 %	
% Bromofluorobenzene	96				%	09/02/14	HM	70 - 130 %	
% Dibromofluoromethane	103				%	09/02/14	HM	70 - 130 %	
% Toluene-d8	97				%	09/02/14	HM	70 - 130 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND		5.8	1.8	ug/L	09/04/14	DD	SW 8270	
1,2-Dichlorobenzene	ND		1.2	1.6	ug/L	09/04/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND		5.8	1.9	ug/L	09/04/14	DD	SW 8270	
1,3-Dichlorobenzene	ND		1.2	1.7	ug/L	09/04/14	DD	SW 8270	
1,4-Dichlorobenzene	ND		1.2	1.7	ug/L	09/04/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND		1.2	1.2	ug/L	09/04/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND		1.2	1.2	ug/L	09/04/14	DD	SW 8270	
2,4-Dichlorophenol	ND		1.2	1.2	ug/L	09/04/14	DD	SW 8270	
2,4-Dimethylphenol	ND		1.2	1.2	ug/L	09/04/14	DD	SW 8270	
2,4-Dinitrophenol	ND		1.2	1.2	ug/L	09/04/14	DD	SW 8270	
2,4-Dinitrotoluene	ND		5.8	2.3	ug/L	09/04/14	DD	SW 8270	
2,6-Dinitrotoluene	ND		5.8	1.8	ug/L	09/04/14	DD	SW 8270	
2-Chloronaphthalene	ND		5.8	1.7	ug/L	09/04/14	DD	SW 8270	
2-Chlorophenol	ND		1.2	1.2	ug/L	09/04/14	DD	SW 8270	
2-Methylnaphthalene	ND		5.8	1.7	ug/L	09/04/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		1.2	1.2	ug/L	09/04/14	DD	SW 8270	
2-Nitroaniline	ND		5.8	5.8	ug/L	09/04/14	DD	SW 8270	
2-Nitrophenol	ND		1.2	1.2	ug/L	09/04/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		1.2	1.2	ug/L	09/04/14	DD	SW 8270	
3,3'-Dichlorobenzidine	ND		5.8	2.7	ug/L	09/04/14	DD	SW 8270	
3-Nitroaniline	ND		5.8	5.8	ug/L	09/04/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		1.2	1.2	ug/L	09/04/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		5.8	1.7	ug/L	09/04/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND		1.2	1.2	ug/L	09/04/14	DD	SW 8270	
4-Chloroaniline	ND		4.1	2.7	ug/L	09/04/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		5.8	2.0	ug/L	09/04/14	DD	SW 8270	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitroaniline	ND	5.8	1.9	ug/L	09/04/14	DD	SW 8270	
4-Nitrophenol	ND	1.2	1.2	ug/L	09/04/14	DD	SW 8270	
Acenaphthene	ND	5.8	1.8	ug/L	09/04/14	DD	SW 8270	
Acetophenone	ND	5.8	1.8	ug/L	09/04/14	DD	SW 8270	
Aniline	ND	4.1	5.8	ug/L	09/04/14	DD	SW 8270	
Anthracene	ND	5.8	1.9	ug/L	09/04/14	DD	SW 8270	
Benzidine	ND	5.2	3.4	ug/L	09/04/14	DD	SW 8270	
Benzoic acid	ND	29	12	ug/L	09/04/14	DD	SW 8270	
Benzyl butyl phthalate	ND	5.8	1.5	ug/L	09/04/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	5.8	1.6	ug/L	09/04/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	1.2	1.2	ug/L	09/04/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	5.8	1.6	ug/L	09/04/14	DD	SW 8270	
Carbazole	ND	29	4.4	ug/L	09/04/14	DD	SW 8270	
Dibenzofuran	ND	5.8	1.7	ug/L	09/04/14	DD	SW 8270	
Diethyl phthalate	ND	5.8	1.8	ug/L	09/04/14	DD	SW 8270	
Dimethylphthalate	ND	5.8	1.8	ug/L	09/04/14	DD	SW 8270	
Di-n-butylphthalate	ND	5.8	1.5	ug/L	09/04/14	DD	SW 8270	
Di-n-octylphthalate	ND	5.8	1.5	ug/L	09/04/14	DD	SW 8270	
Fluoranthene	ND	5.8	1.9	ug/L	09/04/14	DD	SW 8270	
Fluorene	ND	5.8	1.9	ug/L	09/04/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	5.8	1.8	ug/L	09/04/14	DD	SW 8270	
Isophorone	ND	5.8	1.6	ug/L	09/04/14	DD	SW 8270	
Naphthalene	ND	5.8	1.7	ug/L	09/04/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	1.2	1.2	ug/L	09/04/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	5.8	1.9	ug/L	09/04/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	5.8	2.2	ug/L	09/04/14	DD	SW 8270	
Phenol	ND	1.2	1.9	ug/L	09/04/14	DD	SW 8270	
Pyrene	ND	5.8	2.0	ug/L	09/04/14	DD	SW 8270	
Pyridine	ND	12	1.4	ug/L	09/04/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	102			%	09/04/14	DD	15 - 110 %	
% 2-Fluorobiphenyl	91			%	09/04/14	DD	30 - 130 %	
% 2-Fluorophenol	56			%	09/04/14	DD	15 - 110 %	
% Nitrobenzene-d5	79			%	09/04/14	DD	30 - 130 %	
% Phenol-d5	61			%	09/04/14	DD	15 - 110 %	
% Terphenyl-d14	108			%	09/04/14	DD	30 - 130 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	0.58	0.58	ug/L	09/03/14	DD	SW8270 (SIM)	
Acenaphthylene	ND	0.12	0.12	ug/L	09/03/14	DD	SW8270 (SIM)	
Benz(a)anthracene	0.02	0.02	0.02	ug/L	09/03/14	DD	SW8270 (SIM)	B*
Benzo(a)pyrene	ND	0.02	0.02	ug/L	09/03/14	DD	SW8270 (SIM)	
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	09/03/14	DD	SW8270 (SIM)	
Benzo(ghi)perylene	ND	0.02	0.02	ug/L	09/03/14	DD	SW8270 (SIM)	
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	09/03/14	DD	SW8270 (SIM)	
Bis(2-ethylhexyl)phthalate	ND	1.2	1.2	ug/L	09/03/14	DD	SW8270 (SIM)	
Chrysene	ND	0.02	0.02	ug/L	09/03/14	DD	SW8270 (SIM)	
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	09/03/14	DD	SW8270 (SIM)	
Hexachlorobenzene	ND	0.02	0.02	ug/L	09/03/14	DD	SW8270 (SIM)	
Hexachlorobutadiene	ND	0.47	0.47	ug/L	09/03/14	DD	SW8270 (SIM)	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Hexachloroethane	ND	0.58	0.58	ug/L	09/03/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	09/03/14	DD	SW8270 (SIM)
Nitrobenzene	ND	0.12	0.12	ug/L	09/03/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.12	0.12	ug/L	09/03/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.93	0.93	ug/L	09/03/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.12	0.12	ug/L	09/03/14	DD	SW8270 (SIM)
QA/QC Surrogates							
% 2,4,6-Tribromophenol	87			%	09/03/14	DD	15 - 110 %
% 2-Fluorobiphenyl	78			%	09/03/14	DD	30 - 130 %
% 2-Fluorophenol	58			%	09/03/14	DD	15 - 110 %
% Nitrobenzene-d5	91			%	09/03/14	DD	30 - 130 %
% Phenol-d5	66			%	09/03/14	DD	15 - 110 %
% Terphenyl-d14	87			%	09/03/14	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B* = Present in blank, a bias is possible.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
September 09, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 09, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		08/29/14	0:00
Location Code:	EBC	Received by:	SW	09/02/14	17:07
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH02809
Phoenix ID: BH02810

Project ID: 1036 GREEN ST BROOKLYN
Client ID: MW-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver (Dissolved)	< 0.005	0.005		mg/L	09/04/14	LK	SW6010
Aluminum (Dissolved)	0.16	0.01		mg/L	09/02/14	LK	SW6010
Arsenic, (Dissolved)	0.005	0.003		mg/L	09/02/14	LK	SW6010
Barium (Dissolved)	0.090	0.011		mg/L	09/02/14	LK	SW6010
Beryllium (Dissolved)	< 0.001	0.001		mg/L	09/02/14	LK	SW6010
Calcium (Dissolved)	71.4	0.01		mg/L	09/02/14	LK	SW6010
Cadmium (Dissolved)	< 0.004	0.004		mg/L	09/02/14	LK	SW6010
Cobalt, (Dissolved)	0.009	0.005		mg/L	09/02/14	LK	SW6010
Chromium (Dissolved)	< 0.001	0.001		mg/L	09/02/14	LK	SW6010
Copper, (Dissolved)	< 0.005	0.005		mg/L	09/02/14	LK	SW6010
Iron, (Dissolved)	0.27	0.01		mg/L	09/02/14	LK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002		mg/L	09/04/14	MA	SW7470
Potassium (Dissolved)	4.7	0.1		mg/L	09/04/14	LK	SW6010
Magnesium (Dissolved)	37.2	0.01		mg/L	09/02/14	LK	SW6010
Manganese, (Dissolved)	4.52	0.053		mg/L	09/02/14	LK	SW6010
Sodium (Dissolved)	50.6	1.1		mg/L	09/02/14	LK	SW6010
Nickel, (Dissolved)	0.016	0.004		mg/L	09/02/14	LK	SW6010
Lead (Dissolved)	< 0.002	0.002		mg/L	09/02/14	LK	SW6010
Antimony, (Dissolved)	< 0.003	0.003		mg/L	09/03/14	TH	7010
Selenium, (Dissolved)	< 0.004	0.004		mg/L	09/05/14	TH	7010
Thallium , (Dissolved)	< 0.001	0.001		mg/L	09/02/14	TH	7010
Vanadium, (Dissolved)	< 0.011	0.011		mg/L	09/02/14	LK	SW6010
Zinc, (Dissolved)	< 0.011	0.011		mg/L	09/02/14	LK	SW6010
Filtration	Completed				09/02/14	AG	0.45um Filter
Dissolved Mercury Digestion	Completed				09/04/14	I/I	SW7470
PCB Extraction (2 Liter)	Completed				09/02/14	L	SW3510
Extraction for Pest (2 Liter)	Completed				09/02/14	L	SW3510
Semi-Volatile Extraction	Completed				09/02/14	E/K/D	SW3520

Project ID: 1036 GREEN ST BROOKLYN
Client ID: MW-2

Phoenix I.D.: BH02810

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Dissolved Metals Preparation	Completed				09/02/14	AG	SW846-3005	
Pesticides								
4,4' -DDD	ND	0.012		ug/L	09/04/14	CE	SW8081	
4,4' -DDE	ND	0.012		ug/L	09/04/14	CE	SW8081	
4,4' -DDT	ND	0.012		ug/L	09/04/14	CE	SW8081	
a-BHC	ND	0.006		ug/L	09/04/14	CE	SW8081	
a-chlordane	ND	0.012		ug/L	09/04/14	CE	SW8081	
Alachlor	ND	0.086		ug/L	09/04/14	CE	SW8081	1
Aldrin	ND	0.002		ug/L	09/04/14	CE	SW8081	
b-BHC	ND	0.006		ug/L	09/04/14	CE	SW8081	
Chlordane	ND	0.11		ug/L	09/04/14	CE	SW8081	
d-BHC	ND	0.006		ug/L	09/04/14	CE	SW8081	
Dieldrin	ND	0.002		ug/L	09/04/14	CE	SW8081	
Endosulfan I	ND	0.012		ug/L	09/04/14	CE	SW8081	
Endosulfan II	ND	0.012		ug/L	09/04/14	CE	SW8081	
Endosulfan Sulfate	ND	0.012		ug/L	09/04/14	CE	SW8081	
Endrin	0.014	0.012		ug/L	09/04/14	CE	SW8081	
Endrin Aldehyde	ND	0.012		ug/L	09/04/14	CE	SW8081	
Endrin ketone	ND	0.012		ug/L	09/04/14	CE	SW8081	
g-BHC (Lindane)	ND	0.006		ug/L	09/04/14	CE	SW8081	
g-chlordane	ND	0.012		ug/L	09/04/14	CE	SW8081	
Heptachlor	ND	0.012		ug/L	09/04/14	CE	SW8081	
Heptachlor epoxide	ND	0.012		ug/L	09/04/14	CE	SW8081	
Methoxychlor	ND	0.11		ug/L	09/04/14	CE	SW8081	
Toxaphene	ND	0.29		ug/L	09/04/14	CE	SW8081	
QA/QC Surrogates								
%DCBP (Surrogate Rec)	42			%	09/04/14	CE	SW8081	
%TCMX (Surrogate Rec)	73			%	09/04/14	CE	SW8081	
Polychlorinated Biphenyls								
PCB-1016	ND	0.058	0.058	ug/L	09/03/14	AW	608/ 8082	
PCB-1221	ND	0.058	0.058	ug/L	09/03/14	AW	608/ 8082	
PCB-1232	ND	0.058	0.058	ug/L	09/03/14	AW	608/ 8082	
PCB-1242	ND	0.058	0.058	ug/L	09/03/14	AW	608/ 8082	
PCB-1248	ND	0.058	0.058	ug/L	09/03/14	AW	608/ 8082	
PCB-1254	ND	0.058	0.058	ug/L	09/03/14	AW	608/ 8082	
PCB-1260	ND	0.058	0.058	ug/L	09/03/14	AW	608/ 8082	
PCB-1262	ND	0.058	0.058	ug/L	09/03/14	AW	608/ 8082	
PCB-1268	ND	0.058	0.058	ug/L	09/03/14	AW	608/ 8082	
QA/QC Surrogates								
% DCBP	44			%	09/03/14	AW	30 - 150 %	
% TCMX	85			%	09/03/14	AW	30 - 150 %	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/L	09/02/14	HM	SW8260	
1,1,1-Trichloroethane	ND	5.0	0.19	ug/L	09/02/14	HM	SW8260	
1,1,2,2-Tetrachloroethane	ND	1.0	0.15	ug/L	09/02/14	HM	SW8260	
1,1,2-Trichloroethane	ND	1.0	0.20	ug/L	09/02/14	HM	SW8260	
1,1-Dichloroethane	ND	5.0	0.23	ug/L	09/02/14	HM	SW8260	

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Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND		1.0	0.24	ug/L	09/02/14	HM	SW8260	
1,1-Dichloropropene	ND		1.0	0.20	ug/L	09/02/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		1.0	0.20	ug/L	09/02/14	HM	SW8260	
1,2,3-Trichloropropane	ND		1.0	0.21	ug/L	09/02/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		1.0	0.18	ug/L	09/02/14	HM	SW8260	
1,2,4-Trimethylbenzene	ND		1.0	0.18	ug/L	09/02/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		1.0	0.36	ug/L	09/02/14	HM	SW8260	
1,2-Dibromoethane	ND		1.0	0.20	ug/L	09/02/14	HM	SW8260	
1,2-Dichlorobenzene	ND		1.0	0.16	ug/L	09/02/14	HM	SW8260	
1,2-Dichloroethane	ND		0.60	0.20	ug/L	09/02/14	HM	SW8260	
1,2-Dichloropropane	ND		1.0	0.18	ug/L	09/02/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		1.0	0.21	ug/L	09/02/14	HM	SW8260	
1,3-Dichlorobenzene	ND		5.0	0.19	ug/L	09/02/14	HM	SW8260	
1,3-Dichloropropane	ND		1.0	0.22	ug/L	09/02/14	HM	SW8260	
1,4-Dichlorobenzene	ND		5.0	0.19	ug/L	09/02/14	HM	SW8260	
2,2-Dichloropropane	ND		1.0	0.16	ug/L	09/02/14	HM	SW8260	
2-Chlorotoluene	ND		1.0	0.23	ug/L	09/02/14	HM	SW8260	
2-Hexanone	ND		1.0	0.27	ug/L	09/02/14	HM	SW8260	
2-Isopropyltoluene	ND		1.0	0.21	ug/L	09/02/14	HM	SW8260	1
4-Chlorotoluene	ND		1.0	0.16	ug/L	09/02/14	HM	SW8260	
4-Methyl-2-pentanone	ND		1.0	0.19	ug/L	09/02/14	HM	SW8260	
Acetone	2.3	JS	5.0	0.31	ug/L	09/02/14	HM	SW8260	
Acrolein	ND		5.0	0.95	ug/L	09/02/14	HM	SW8260	
Acrylonitrile	ND		5.0	0.17	ug/L	09/02/14	HM	SW8260	
Benzene	ND		0.70	0.19	ug/L	09/02/14	HM	SW8260	
Bromobenzene	ND		1.0	0.20	ug/L	09/02/14	HM	SW8260	
Bromochloromethane	ND		1.0	0.22	ug/L	09/02/14	HM	SW8260	
Bromodichloromethane	ND		1.0	0.16	ug/L	09/02/14	HM	SW8260	
Bromoform	ND		5.0	0.10	ug/L	09/02/14	HM	SW8260	
Bromomethane	ND		5.0	0.50	ug/L	09/02/14	HM	SW8260	
Carbon Disulfide	ND		1.0	0.24	ug/L	09/02/14	HM	SW8260	
Carbon tetrachloride	ND		1.0	0.23	ug/L	09/02/14	HM	SW8260	
Chlorobenzene	ND		5.0	0.20	ug/L	09/02/14	HM	SW8260	
Chloroethane	ND		5.0	0.24	ug/L	09/02/14	HM	SW8260	
Chloroform	2.3	J	5.0	0.22	ug/L	09/02/14	HM	SW8260	
Chloromethane	ND		5.0	0.21	ug/L	09/02/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L	09/02/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		0.40	0.15	ug/L	09/02/14	HM	SW8260	
Dibromochloromethane	ND		1.0	0.15	ug/L	09/02/14	HM	SW8260	
Dibromomethane	ND		1.0	0.23	ug/L	09/02/14	HM	SW8260	
Dichlorodifluoromethane	ND		1.0	0.26	ug/L	09/02/14	HM	SW8260	
Ethylbenzene	ND		1.0	0.19	ug/L	09/02/14	HM	SW8260	
Hexachlorobutadiene	ND		1.0	0.13	ug/L	09/02/14	HM	SW8260	
Isopropylbenzene	ND		1.0	0.22	ug/L	09/02/14	HM	SW8260	
m&p-Xylene	ND		1.0	0.42	ug/L	09/02/14	HM	SW8260	
Methyl ethyl ketone	ND		1.0	0.50	ug/L	09/02/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		1.0	0.19	ug/L	09/02/14	HM	SW8260	
Methylene chloride	ND		3.0	0.16	ug/L	09/02/14	HM	SW8260	
Naphthalene	ND		1.0	0.19	ug/L	09/02/14	HM	SW8260	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
n-Butylbenzene	ND	1.0	0.22	ug/L	09/02/14	HM	SW8260	
n-Propylbenzene	ND	1.0	0.20	ug/L	09/02/14	HM	SW8260	
o-Xylene	ND	1.0	0.45	ug/L	09/02/14	HM	SW8260	
p-Isopropyltoluene	ND	1.0	0.21	ug/L	09/02/14	HM	SW8260	
sec-Butylbenzene	ND	1.0	0.22	ug/L	09/02/14	HM	SW8260	
Styrene	ND	1.0	0.41	ug/L	09/02/14	HM	SW8260	
tert-Butylbenzene	ND	1.0	0.23	ug/L	09/02/14	HM	SW8260	
Tetrachloroethene	4.6	1.0	0.24	ug/L	09/02/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	5.0	0.51	ug/L	09/02/14	HM	SW8260	1
Toluene	ND	1.0	0.20	ug/L	09/02/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	5.0	0.20	ug/L	09/02/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	0.40	0.14	ug/L	09/02/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	1.0	0.45	ug/L	09/02/14	HM	SW8260	
Trichloroethene	5.2	1.0	0.18	ug/L	09/02/14	HM	SW8260	
Trichlorofluoromethane	ND	1.0	0.23	ug/L	09/02/14	HM	SW8260	
Trichlorotrifluoroethane	ND	1.0	0.23	ug/L	09/02/14	HM	SW8260	
Vinyl chloride	ND	1.0	0.14	ug/L	09/02/14	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102			%	09/02/14	HM	70 - 130 %	
% Bromofluorobenzene	95			%	09/02/14	HM	70 - 130 %	
% Dibromofluoromethane	103			%	09/02/14	HM	70 - 130 %	
% Toluene-d8	99			%	09/02/14	HM	70 - 130 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND	5.4	1.6	ug/L	09/04/14	DD	SW 8270
1,2-Dichlorobenzene	ND	1.1	1.5	ug/L	09/04/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	5.4	1.8	ug/L	09/04/14	DD	SW 8270
1,3-Dichlorobenzene	ND	1.1	1.6	ug/L	09/04/14	DD	SW 8270
1,4-Dichlorobenzene	ND	1.1	1.6	ug/L	09/04/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	1.1	1.1	ug/L	09/04/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	1.1	1.1	ug/L	09/04/14	DD	SW 8270
2,4-Dichlorophenol	ND	1.1	1.1	ug/L	09/04/14	DD	SW 8270
2,4-Dimethylphenol	ND	1.1	1.1	ug/L	09/04/14	DD	SW 8270
2,4-Dinitrophenol	ND	1.1	1.1	ug/L	09/04/14	DD	SW 8270
2,4-Dinitrotoluene	ND	5.4	2.1	ug/L	09/04/14	DD	SW 8270
2,6-Dinitrotoluene	ND	5.4	1.7	ug/L	09/04/14	DD	SW 8270
2-Chloronaphthalene	ND	5.4	1.5	ug/L	09/04/14	DD	SW 8270
2-Chlorophenol	ND	1.1	1.1	ug/L	09/04/14	DD	SW 8270
2-Methylnaphthalene	ND	5.4	1.6	ug/L	09/04/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	1.1	1.1	ug/L	09/04/14	DD	SW 8270
2-Nitroaniline	ND	5.4	5.4	ug/L	09/04/14	DD	SW 8270
2-Nitrophenol	ND	1.1	1.1	ug/L	09/04/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	1.1	1.1	ug/L	09/04/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	5.4	2.5	ug/L	09/04/14	DD	SW 8270
3-Nitroaniline	ND	5.4	5.4	ug/L	09/04/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1.1	1.1	ug/L	09/04/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	5.4	1.6	ug/L	09/04/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	1.1	1.1	ug/L	09/04/14	DD	SW 8270
4-Chloroaniline	ND	3.8	2.5	ug/L	09/04/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	5.4	1.8	ug/L	09/04/14	DD	SW 8270

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitroaniline	ND	5.4	1.8	ug/L	09/04/14	DD	SW 8270	
4-Nitrophenol	ND	1.1	1.1	ug/L	09/04/14	DD	SW 8270	
Acenaphthene	ND	5.4	1.6	ug/L	09/04/14	DD	SW 8270	
Acetophenone	ND	5.4	1.7	ug/L	09/04/14	DD	SW 8270	
Aniline	ND	3.8	5.4	ug/L	09/04/14	DD	SW 8270	
Anthracene	ND	5.4	1.8	ug/L	09/04/14	DD	SW 8270	
Benzidine	ND	4.8	3.2	ug/L	09/04/14	DD	SW 8270	
Benzoic acid	ND	27	11	ug/L	09/04/14	DD	SW 8270	
Benzyl butyl phthalate	ND	5.4	1.4	ug/L	09/04/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	5.4	1.5	ug/L	09/04/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	1.1	1.1	ug/L	09/04/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	5.4	1.5	ug/L	09/04/14	DD	SW 8270	
Carbazole	ND	27	4.1	ug/L	09/04/14	DD	SW 8270	
Dibenzofuran	ND	5.4	1.6	ug/L	09/04/14	DD	SW 8270	
Diethyl phthalate	ND	5.4	1.7	ug/L	09/04/14	DD	SW 8270	
Dimethylphthalate	ND	5.4	1.7	ug/L	09/04/14	DD	SW 8270	
Di-n-butylphthalate	ND	5.4	1.4	ug/L	09/04/14	DD	SW 8270	
Di-n-octylphthalate	ND	5.4	1.4	ug/L	09/04/14	DD	SW 8270	
Fluoranthene	ND	5.4	1.7	ug/L	09/04/14	DD	SW 8270	
Fluorene	ND	5.4	1.8	ug/L	09/04/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	5.4	1.6	ug/L	09/04/14	DD	SW 8270	
Isophorone	ND	5.4	1.5	ug/L	09/04/14	DD	SW 8270	
Naphthalene	ND	5.4	1.5	ug/L	09/04/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	1.1	1.1	ug/L	09/04/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	5.4	1.7	ug/L	09/04/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	5.4	2.1	ug/L	09/04/14	DD	SW 8270	
Phenol	ND	1.1	1.7	ug/L	09/04/14	DD	SW 8270	
Pyrene	ND	5.4	1.8	ug/L	09/04/14	DD	SW 8270	
Pyridine	ND	11	1.3	ug/L	09/04/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	79			%	09/04/14	DD	15 - 110 %	
% 2-Fluorobiphenyl	84			%	09/04/14	DD	30 - 130 %	
% 2-Fluorophenol	28			%	09/04/14	DD	15 - 110 %	
% Nitrobenzene-d5	74			%	09/04/14	DD	30 - 130 %	
% Phenol-d5	42			%	09/04/14	DD	15 - 110 %	
% Terphenyl-d14	94			%	09/04/14	DD	30 - 130 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	0.54	0.54	ug/L	09/03/14	DD	SW8270 (SIM)	
Acenaphthylene	ND	0.11	0.11	ug/L	09/03/14	DD	SW8270 (SIM)	
Benz(a)anthracene	ND	0.02	0.02	ug/L	09/03/14	DD	SW8270 (SIM)	B
Benzo(a)pyrene	ND	0.02	0.02	ug/L	09/03/14	DD	SW8270 (SIM)	
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	09/03/14	DD	SW8270 (SIM)	
Benzo(ghi)perylene	ND	0.02	0.02	ug/L	09/03/14	DD	SW8270 (SIM)	
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	09/03/14	DD	SW8270 (SIM)	
Bis(2-ethylhexyl)phthalate	ND	1.1	1.1	ug/L	09/03/14	DD	SW8270 (SIM)	
Chrysene	ND	0.02	0.02	ug/L	09/03/14	DD	SW8270 (SIM)	
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	09/03/14	DD	SW8270 (SIM)	
Hexachlorobenzene	ND	0.02	0.02	ug/L	09/03/14	DD	SW8270 (SIM)	
Hexachlorobutadiene	ND	0.43	0.43	ug/L	09/03/14	DD	SW8270 (SIM)	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Hexachloroethane	ND	0.54	0.54	ug/L	09/03/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	09/03/14	DD	SW8270 (SIM)
Nitrobenzene	ND	0.11	0.11	ug/L	09/03/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.11	0.11	ug/L	09/03/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.86	0.86	ug/L	09/03/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.11	0.11	ug/L	09/03/14	DD	SW8270 (SIM)
QA/QC Surrogates							
% 2,4,6-Tribromophenol	75			%	09/03/14	DD	15 - 110 %
% 2-Fluorobiphenyl	75			%	09/03/14	DD	30 - 130 %
% 2-Fluorophenol	28			%	09/03/14	DD	15 - 110 %
% Nitrobenzene-d5	85			%	09/03/14	DD	30 - 130 %
% Phenol-d5	45			%	09/03/14	DD	15 - 110 %
% Terphenyl-d14	75			%	09/03/14	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Semi-Volatile Comment:
Poor surrogate recovery was observed for one acid and/or one base surrogate. The other surrogates associated with this sample were within QA/QC criteria. No significant bias suspected.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
September 09, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

September 09, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		08/29/14	0:00
Location Code:	EBC	Received by:	SW	09/02/14	17:07
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH02809
Phoenix ID: BH02811

Project ID: 1036 GREEN ST BROOKLYN
Client ID: MW-3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver (Dissolved)	< 0.005	0.005		mg/L	09/04/14	LK	SW6010
Aluminum (Dissolved)	0.39	0.01		mg/L	09/02/14	LK	SW6010
Arsenic, (Dissolved)	0.003	0.003		mg/L	09/02/14	LK	SW6010
Barium (Dissolved)	0.032	0.011		mg/L	09/02/14	LK	SW6010
Beryllium (Dissolved)	< 0.001	0.001		mg/L	09/02/14	LK	SW6010
Calcium (Dissolved)	29.8	0.01		mg/L	09/02/14	LK	SW6010
Cadmium (Dissolved)	< 0.004	0.004		mg/L	09/02/14	LK	SW6010
Cobalt, (Dissolved)	0.006	0.005		mg/L	09/02/14	LK	SW6010
Chromium (Dissolved)	0.002	0.001		mg/L	09/02/14	LK	SW6010
Copper, (Dissolved)	< 0.005	0.005		mg/L	09/02/14	LK	SW6010
Iron, (Dissolved)	0.61	0.01		mg/L	09/02/14	LK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002		mg/L	09/04/14	MA	SW7470
Potassium (Dissolved)	2.7	0.1		mg/L	09/04/14	LK	SW6010
Magnesium (Dissolved)	14.8	0.01		mg/L	09/02/14	LK	SW6010
Manganese, (Dissolved)	2.97	0.053		mg/L	09/02/14	LK	SW6010
Sodium (Dissolved)	12.6	0.11		mg/L	09/04/14	LK	SW6010
Nickel, (Dissolved)	0.011	0.004		mg/L	09/02/14	LK	SW6010
Lead (Dissolved)	< 0.002	0.002		mg/L	09/02/14	LK	SW6010
Antimony, (Dissolved)	< 0.003	0.003		mg/L	09/03/14	TH	7010
Selenium, (Dissolved)	< 0.004	0.004		mg/L	09/05/14	TH	7010
Thallium , (Dissolved)	< 0.001	0.001		mg/L	09/02/14	TH	7010
Vanadium, (Dissolved)	< 0.011	0.011		mg/L	09/02/14	LK	SW6010
Zinc, (Dissolved)	< 0.011	0.011		mg/L	09/02/14	LK	SW6010
Filtration	Completed				09/02/14	AG	0.45um Filter
Dissolved Mercury Digestion	Completed				09/04/14	I/I	SW7470
PCB Extraction (2 Liter)	Completed				09/02/14	L	SW3510
Extraction for Pest (2 Liter)	Completed				09/02/14	L	SW3510
Semi-Volatile Extraction	Completed				09/02/14	E/K/D	SW3520

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Dissolved Metals Preparation	Completed				09/02/14	AG	SW846-3005	
Pesticides								
4,4' -DDD	ND	0.010		ug/L	09/04/14	CE	SW8081	
4,4' -DDE	ND	0.010		ug/L	09/04/14	CE	SW8081	
4,4' -DDT	ND	0.010		ug/L	09/04/14	CE	SW8081	
a-BHC	ND	0.005		ug/L	09/04/14	CE	SW8081	
a-chlordane	ND	0.010		ug/L	09/04/14	CE	SW8081	
Alachlor	ND	0.078		ug/L	09/04/14	CE	SW8081	1
Aldrin	ND	0.002		ug/L	09/04/14	CE	SW8081	
b-BHC	ND	0.005		ug/L	09/04/14	CE	SW8081	
Chlordane	ND	0.10		ug/L	09/04/14	CE	SW8081	
d-BHC	ND	0.005		ug/L	09/04/14	CE	SW8081	
Dieldrin	ND	0.002		ug/L	09/04/14	CE	SW8081	
Endosulfan I	ND	0.010		ug/L	09/04/14	CE	SW8081	
Endosulfan II	ND	0.010		ug/L	09/04/14	CE	SW8081	
Endosulfan Sulfate	ND	0.010		ug/L	09/04/14	CE	SW8081	
Endrin	ND	0.010		ug/L	09/04/14	CE	SW8081	
Endrin Aldehyde	ND	0.010		ug/L	09/04/14	CE	SW8081	
Endrin ketone	ND	0.010		ug/L	09/04/14	CE	SW8081	
g-BHC (Lindane)	ND	0.005		ug/L	09/04/14	CE	SW8081	
g-chlordane	ND	0.010		ug/L	09/04/14	CE	SW8081	
Heptachlor	ND	0.010		ug/L	09/04/14	CE	SW8081	
Heptachlor epoxide	ND	0.010		ug/L	09/04/14	CE	SW8081	
Methoxychlor	ND	0.10		ug/L	09/04/14	CE	SW8081	
Toxaphene	ND	0.26		ug/L	09/04/14	CE	SW8081	
QA/QC Surrogates								
%DCBP (Surrogate Rec)	50			%	09/04/14	CE	SW8081	
%TCMX (Surrogate Rec)	83			%	09/04/14	CE	SW8081	
Polychlorinated Biphenyls								
PCB-1016	ND	0.052	0.052	ug/L	09/04/14	AW	608/ 8082	
PCB-1221	ND	0.052	0.052	ug/L	09/04/14	AW	608/ 8082	
PCB-1232	ND	0.052	0.052	ug/L	09/04/14	AW	608/ 8082	
PCB-1242	ND	0.052	0.052	ug/L	09/04/14	AW	608/ 8082	
PCB-1248	ND	0.052	0.052	ug/L	09/04/14	AW	608/ 8082	
PCB-1254	ND	0.052	0.052	ug/L	09/04/14	AW	608/ 8082	
PCB-1260	ND	0.052	0.052	ug/L	09/04/14	AW	608/ 8082	
PCB-1262	ND	0.052	0.052	ug/L	09/04/14	AW	608/ 8082	
PCB-1268	ND	0.052	0.052	ug/L	09/04/14	AW	608/ 8082	
QA/QC Surrogates								
% DCBP	39			%	09/04/14	AW	30 - 150 %	
% TCMX	75			%	09/04/14	AW	30 - 150 %	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/L	09/02/14	HM	SW8260	
1,1,1-Trichloroethane	ND	5.0	0.19	ug/L	09/02/14	HM	SW8260	
1,1,2,2-Tetrachloroethane	ND	1.0	0.15	ug/L	09/02/14	HM	SW8260	
1,1,2-Trichloroethane	ND	1.0	0.20	ug/L	09/02/14	HM	SW8260	
1,1-Dichloroethane	ND	5.0	0.23	ug/L	09/02/14	HM	SW8260	

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Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND		1.0	0.24	ug/L	09/02/14	HM	SW8260	
1,1-Dichloropropene	ND		1.0	0.20	ug/L	09/02/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		1.0	0.20	ug/L	09/02/14	HM	SW8260	
1,2,3-Trichloropropane	ND		1.0	0.21	ug/L	09/02/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		1.0	0.18	ug/L	09/02/14	HM	SW8260	
1,2,4-Trimethylbenzene	ND		1.0	0.18	ug/L	09/02/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		1.0	0.36	ug/L	09/02/14	HM	SW8260	
1,2-Dibromoethane	ND		1.0	0.20	ug/L	09/02/14	HM	SW8260	
1,2-Dichlorobenzene	ND		1.0	0.16	ug/L	09/02/14	HM	SW8260	
1,2-Dichloroethane	ND		0.60	0.20	ug/L	09/02/14	HM	SW8260	
1,2-Dichloropropane	ND		1.0	0.18	ug/L	09/02/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		1.0	0.21	ug/L	09/02/14	HM	SW8260	
1,3-Dichlorobenzene	ND		5.0	0.19	ug/L	09/02/14	HM	SW8260	
1,3-Dichloropropane	ND		1.0	0.22	ug/L	09/02/14	HM	SW8260	
1,4-Dichlorobenzene	ND		5.0	0.19	ug/L	09/02/14	HM	SW8260	
2,2-Dichloropropane	ND		1.0	0.16	ug/L	09/02/14	HM	SW8260	
2-Chlorotoluene	ND		1.0	0.23	ug/L	09/02/14	HM	SW8260	
2-Hexanone	ND		1.0	0.27	ug/L	09/02/14	HM	SW8260	
2-Isopropyltoluene	ND		1.0	0.21	ug/L	09/02/14	HM	SW8260	1
4-Chlorotoluene	ND		1.0	0.16	ug/L	09/02/14	HM	SW8260	
4-Methyl-2-pentanone	ND		1.0	0.19	ug/L	09/02/14	HM	SW8260	
Acetone	1.5	JS	5.0	0.31	ug/L	09/02/14	HM	SW8260	
Acrolein	ND		5.0	0.95	ug/L	09/02/14	HM	SW8260	
Acrylonitrile	ND		5.0	0.17	ug/L	09/02/14	HM	SW8260	
Benzene	ND		0.70	0.19	ug/L	09/02/14	HM	SW8260	
Bromobenzene	ND		1.0	0.20	ug/L	09/02/14	HM	SW8260	
Bromochloromethane	ND		1.0	0.22	ug/L	09/02/14	HM	SW8260	
Bromodichloromethane	ND		1.0	0.16	ug/L	09/02/14	HM	SW8260	
Bromoform	ND		5.0	0.10	ug/L	09/02/14	HM	SW8260	
Bromomethane	ND		5.0	0.50	ug/L	09/02/14	HM	SW8260	
Carbon Disulfide	ND		1.0	0.24	ug/L	09/02/14	HM	SW8260	
Carbon tetrachloride	ND		1.0	0.23	ug/L	09/02/14	HM	SW8260	
Chlorobenzene	ND		5.0	0.20	ug/L	09/02/14	HM	SW8260	
Chloroethane	ND		5.0	0.24	ug/L	09/02/14	HM	SW8260	
Chloroform	0.60	J	5.0	0.22	ug/L	09/02/14	HM	SW8260	
Chloromethane	ND		5.0	0.21	ug/L	09/02/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L	09/02/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		0.40	0.15	ug/L	09/02/14	HM	SW8260	
Dibromochloromethane	ND		1.0	0.15	ug/L	09/02/14	HM	SW8260	
Dibromomethane	ND		1.0	0.23	ug/L	09/02/14	HM	SW8260	
Dichlorodifluoromethane	ND		1.0	0.26	ug/L	09/02/14	HM	SW8260	
Ethylbenzene	ND		1.0	0.19	ug/L	09/02/14	HM	SW8260	
Hexachlorobutadiene	ND		1.0	0.13	ug/L	09/02/14	HM	SW8260	
Isopropylbenzene	ND		1.0	0.22	ug/L	09/02/14	HM	SW8260	
m&p-Xylene	ND		1.0	0.42	ug/L	09/02/14	HM	SW8260	
Methyl ethyl ketone	ND		1.0	0.50	ug/L	09/02/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		1.0	0.19	ug/L	09/02/14	HM	SW8260	
Methylene chloride	ND		3.0	0.16	ug/L	09/02/14	HM	SW8260	
Naphthalene	ND		1.0	0.19	ug/L	09/02/14	HM	SW8260	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
n-Butylbenzene	ND	1.0	0.22	ug/L	09/02/14	HM	SW8260	
n-Propylbenzene	ND	1.0	0.20	ug/L	09/02/14	HM	SW8260	
o-Xylene	ND	1.0	0.45	ug/L	09/02/14	HM	SW8260	
p-Isopropyltoluene	ND	1.0	0.21	ug/L	09/02/14	HM	SW8260	
sec-Butylbenzene	ND	1.0	0.22	ug/L	09/02/14	HM	SW8260	
Styrene	ND	1.0	0.41	ug/L	09/02/14	HM	SW8260	
tert-Butylbenzene	ND	1.0	0.23	ug/L	09/02/14	HM	SW8260	
Tetrachloroethene	1.9	1.0	0.24	ug/L	09/02/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	5.0	0.51	ug/L	09/02/14	HM	SW8260	1
Toluene	ND	1.0	0.20	ug/L	09/02/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	5.0	0.20	ug/L	09/02/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	0.40	0.14	ug/L	09/02/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	1.0	0.45	ug/L	09/02/14	HM	SW8260	
Trichloroethene	3.6	1.0	0.18	ug/L	09/02/14	HM	SW8260	
Trichlorofluoromethane	ND	1.0	0.23	ug/L	09/02/14	HM	SW8260	
Trichlorotrifluoroethane	ND	1.0	0.23	ug/L	09/02/14	HM	SW8260	
Vinyl chloride	ND	1.0	0.14	ug/L	09/02/14	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	09/02/14	HM	70 - 130 %	
% Bromofluorobenzene	95			%	09/02/14	HM	70 - 130 %	
% Dibromofluoromethane	102			%	09/02/14	HM	70 - 130 %	
% Toluene-d8	98			%	09/02/14	HM	70 - 130 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND	5.3	1.6	ug/L	09/04/14	DD	SW 8270
1,2-Dichlorobenzene	ND	1.1	1.5	ug/L	09/04/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	5.3	1.7	ug/L	09/04/14	DD	SW 8270
1,3-Dichlorobenzene	ND	1.1	1.6	ug/L	09/04/14	DD	SW 8270
1,4-Dichlorobenzene	ND	1.1	1.6	ug/L	09/04/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	1.1	1.1	ug/L	09/04/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	1.1	1.1	ug/L	09/04/14	DD	SW 8270
2,4-Dichlorophenol	ND	1.1	1.1	ug/L	09/04/14	DD	SW 8270
2,4-Dimethylphenol	ND	1.1	1.1	ug/L	09/04/14	DD	SW 8270
2,4-Dinitrophenol	ND	1.1	1.1	ug/L	09/04/14	DD	SW 8270
2,4-Dinitrotoluene	ND	5.3	2.1	ug/L	09/04/14	DD	SW 8270
2,6-Dinitrotoluene	ND	5.3	1.7	ug/L	09/04/14	DD	SW 8270
2-Chloronaphthalene	ND	5.3	1.5	ug/L	09/04/14	DD	SW 8270
2-Chlorophenol	ND	1.1	1.1	ug/L	09/04/14	DD	SW 8270
2-Methylnaphthalene	ND	5.3	1.6	ug/L	09/04/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	1.1	1.1	ug/L	09/04/14	DD	SW 8270
2-Nitroaniline	ND	5.3	5.3	ug/L	09/04/14	DD	SW 8270
2-Nitrophenol	ND	1.1	1.1	ug/L	09/04/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	1.1	1.1	ug/L	09/04/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	5.3	2.5	ug/L	09/04/14	DD	SW 8270
3-Nitroaniline	ND	5.3	5.3	ug/L	09/04/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1.1	1.1	ug/L	09/04/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	5.3	1.5	ug/L	09/04/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	1.1	1.1	ug/L	09/04/14	DD	SW 8270
4-Chloroaniline	ND	3.7	2.5	ug/L	09/04/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	5.3	1.8	ug/L	09/04/14	DD	SW 8270

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitroaniline	ND	5.3	1.8	ug/L	09/04/14	DD	SW 8270	
4-Nitrophenol	ND	1.1	1.1	ug/L	09/04/14	DD	SW 8270	
Acenaphthene	ND	5.3	1.6	ug/L	09/04/14	DD	SW 8270	
Acetophenone	ND	5.3	1.6	ug/L	09/04/14	DD	SW 8270	
Aniline	ND	3.7	5.3	ug/L	09/04/14	DD	SW 8270	
Anthracene	ND	5.3	1.7	ug/L	09/04/14	DD	SW 8270	
Benzidine	ND	4.7	3.1	ug/L	09/04/14	DD	SW 8270	
Benzoic acid	ND	26	11	ug/L	09/04/14	DD	SW 8270	
Benzyl butyl phthalate	ND	5.3	1.4	ug/L	09/04/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	5.3	1.5	ug/L	09/04/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	1.1	1.1	ug/L	09/04/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	5.3	1.5	ug/L	09/04/14	DD	SW 8270	
Carbazole	ND	26	4.0	ug/L	09/04/14	DD	SW 8270	
Dibenzofuran	ND	5.3	1.5	ug/L	09/04/14	DD	SW 8270	
Diethyl phthalate	ND	5.3	1.7	ug/L	09/04/14	DD	SW 8270	
Dimethylphthalate	ND	5.3	1.6	ug/L	09/04/14	DD	SW 8270	
Di-n-butylphthalate	ND	5.3	1.4	ug/L	09/04/14	DD	SW 8270	
Di-n-octylphthalate	ND	5.3	1.4	ug/L	09/04/14	DD	SW 8270	
Fluoranthene	ND	5.3	1.7	ug/L	09/04/14	DD	SW 8270	
Fluorene	ND	5.3	1.7	ug/L	09/04/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	5.3	1.6	ug/L	09/04/14	DD	SW 8270	
Isophorone	ND	5.3	1.5	ug/L	09/04/14	DD	SW 8270	
Naphthalene	ND	5.3	1.5	ug/L	09/04/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	1.1	1.1	ug/L	09/04/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	5.3	1.7	ug/L	09/04/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	5.3	2.0	ug/L	09/04/14	DD	SW 8270	
Phenol	ND	1.1	1.7	ug/L	09/04/14	DD	SW 8270	
Pyrene	ND	5.3	1.8	ug/L	09/04/14	DD	SW 8270	
Pyridine	ND	11	1.3	ug/L	09/04/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	90			%	09/04/14	DD	15 - 110 %	
% 2-Fluorobiphenyl	92			%	09/04/14	DD	30 - 130 %	
% 2-Fluorophenol	66			%	09/04/14	DD	15 - 110 %	
% Nitrobenzene-d5	80			%	09/04/14	DD	30 - 130 %	
% Phenol-d5	72			%	09/04/14	DD	15 - 110 %	
% Terphenyl-d14	102			%	09/04/14	DD	30 - 130 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	0.53	0.53	ug/L	09/03/14	DD	SW8270 (SIM)	
Acenaphthylene	ND	0.11	0.11	ug/L	09/03/14	DD	SW8270 (SIM)	
Benz(a)anthracene	ND	0.02	0.02	ug/L	09/03/14	DD	SW8270 (SIM)	B
Benzo(a)pyrene	ND	0.02	0.02	ug/L	09/03/14	DD	SW8270 (SIM)	
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	09/03/14	DD	SW8270 (SIM)	
Benzo(ghi)perylene	ND	0.02	0.02	ug/L	09/03/14	DD	SW8270 (SIM)	
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	09/03/14	DD	SW8270 (SIM)	
Bis(2-ethylhexyl)phthalate	ND	1.1	1.1	ug/L	09/03/14	DD	SW8270 (SIM)	
Chrysene	ND	0.02	0.02	ug/L	09/03/14	DD	SW8270 (SIM)	
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	09/03/14	DD	SW8270 (SIM)	
Hexachlorobenzene	ND	0.02	0.02	ug/L	09/03/14	DD	SW8270 (SIM)	
Hexachlorobutadiene	ND	0.42	0.42	ug/L	09/03/14	DD	SW8270 (SIM)	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Hexachloroethane	ND	0.53	0.53	ug/L	09/03/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	09/03/14	DD	SW8270 (SIM)
Nitrobenzene	ND	0.11	0.11	ug/L	09/03/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.11	0.11	ug/L	09/03/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.84	0.84	ug/L	09/03/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.11	0.11	ug/L	09/03/14	DD	SW8270 (SIM)
QA/QC Surrogates							
% 2,4,6-Tribromophenol	86			%	09/03/14	DD	15 - 110 %
% 2-Fluorobiphenyl	80			%	09/03/14	DD	30 - 130 %
% 2-Fluorophenol	67			%	09/03/14	DD	15 - 110 %
% Nitrobenzene-d5	88			%	09/03/14	DD	30 - 130 %
% Phenol-d5	74			%	09/03/14	DD	15 - 110 %
% Terphenyl-d14	80			%	09/03/14	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
September 09, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

September 09, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		08/29/14	0:00
Location Code:	EBC	Received by:	SW	09/02/14	17:07
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH02809
Phoenix ID: BH02812

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Client ID: DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver (Dissolved)	< 0.005	0.005		mg/L	09/04/14	LK	SW6010
Aluminum (Dissolved)	0.69	0.01		mg/L	09/02/14	LK	SW6010
Arsenic, (Dissolved)	0.004	0.003		mg/L	09/02/14	LK	SW6010
Barium (Dissolved)	0.070	0.011		mg/L	09/02/14	LK	SW6010
Beryllium (Dissolved)	< 0.001	0.001		mg/L	09/02/14	LK	SW6010
Calcium (Dissolved)	58.5	0.01		mg/L	09/02/14	LK	SW6010
Cadmium (Dissolved)	< 0.004	0.004		mg/L	09/02/14	LK	SW6010
Cobalt, (Dissolved)	0.005	0.005		mg/L	09/02/14	LK	SW6010
Chromium (Dissolved)	0.003	0.001		mg/L	09/02/14	LK	SW6010
Copper, (Dissolved)	< 0.005	0.005		mg/L	09/02/14	LK	SW6010
Iron, (Dissolved)	1.01	0.01		mg/L	09/02/14	LK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002		mg/L	09/04/14	MA	SW7470
Potassium (Dissolved)	3.7	0.1		mg/L	09/04/14	LK	SW6010
Magnesium (Dissolved)	15.1	0.01		mg/L	09/02/14	LK	SW6010
Manganese, (Dissolved)	2.39	0.053		mg/L	09/02/14	LK	SW6010
Sodium (Dissolved)	81.7	1.1		mg/L	09/02/14	LK	SW6010
Nickel, (Dissolved)	0.013	0.004		mg/L	09/02/14	LK	SW6010
Lead (Dissolved)	< 0.002	0.002		mg/L	09/02/14	LK	SW6010
Antimony, (Dissolved)	< 0.003	0.003		mg/L	09/03/14	TH	7010
Selenium, (Dissolved)	< 0.004	0.004		mg/L	09/05/14	TH	7010
Thallium , (Dissolved)	< 0.001	0.001		mg/L	09/02/14	TH	7010
Vanadium, (Dissolved)	< 0.011	0.011		mg/L	09/02/14	LK	SW6010
Zinc, (Dissolved)	< 0.011	0.011		mg/L	09/02/14	LK	SW6010
Filtration	Completed				09/02/14	AG	0.45um Filter
Dissolved Mercury Digestion	Completed				09/04/14	I/I	SW7470
PCB Extraction (2 Liter)	Completed				09/02/14	L	SW3510
Extraction for Pest (2 Liter)	Completed				09/02/14	L	SW3510
Semi-Volatile Extraction	Completed				09/02/14	E/K/D	SW3520

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Dissolved Metals Preparation	Completed				09/02/14	AG	SW846-3005	
Pesticides								
4,4' -DDD	ND	0.011		ug/L	09/04/14	CE	SW8081	
4,4' -DDE	ND	0.011		ug/L	09/04/14	CE	SW8081	
4,4' -DDT	ND	0.011		ug/L	09/04/14	CE	SW8081	
a-BHC	ND	0.005		ug/L	09/04/14	CE	SW8081	
a-chlordane	ND	0.011		ug/L	09/04/14	CE	SW8081	
Alachlor	ND	0.079		ug/L	09/04/14	CE	SW8081	1
Aldrin	ND	0.002		ug/L	09/04/14	CE	SW8081	
b-BHC	ND	0.005		ug/L	09/04/14	CE	SW8081	
Chlordane	ND	0.11		ug/L	09/04/14	CE	SW8081	
d-BHC	ND	0.005		ug/L	09/04/14	CE	SW8081	
Dieldrin	ND	0.002		ug/L	09/04/14	CE	SW8081	
Endosulfan I	ND	0.011		ug/L	09/04/14	CE	SW8081	
Endosulfan II	ND	0.011		ug/L	09/04/14	CE	SW8081	
Endosulfan Sulfate	ND	0.011		ug/L	09/04/14	CE	SW8081	
Endrin	ND	0.011		ug/L	09/04/14	CE	SW8081	
Endrin Aldehyde	ND	0.011		ug/L	09/04/14	CE	SW8081	
Endrin ketone	ND	0.011		ug/L	09/04/14	CE	SW8081	
g-BHC (Lindane)	ND	0.005		ug/L	09/04/14	CE	SW8081	
g-chlordane	ND	0.011		ug/L	09/04/14	CE	SW8081	
Heptachlor	ND	0.011		ug/L	09/04/14	CE	SW8081	
Heptachlor epoxide	ND	0.011		ug/L	09/04/14	CE	SW8081	
Methoxychlor	ND	0.11		ug/L	09/04/14	CE	SW8081	
Toxaphene	ND	0.26		ug/L	09/04/14	CE	SW8081	
QA/QC Surrogates								
%DCBP (Surrogate Rec)	35			%	09/04/14	CE	SW8081	
%TCMX (Surrogate Rec)	78			%	09/04/14	CE	SW8081	
Polychlorinated Biphenyls								
PCB-1016	ND	0.053	0.053	ug/L	09/04/14	AW	608/ 8082	
PCB-1221	ND	0.053	0.053	ug/L	09/04/14	AW	608/ 8082	
PCB-1232	ND	0.053	0.053	ug/L	09/04/14	AW	608/ 8082	
PCB-1242	ND	0.053	0.053	ug/L	09/04/14	AW	608/ 8082	
PCB-1248	ND	0.053	0.053	ug/L	09/04/14	AW	608/ 8082	
PCB-1254	ND	0.053	0.053	ug/L	09/04/14	AW	608/ 8082	
PCB-1260	ND	0.053	0.053	ug/L	09/04/14	AW	608/ 8082	
PCB-1262	ND	0.053	0.053	ug/L	09/04/14	AW	608/ 8082	
PCB-1268	ND	0.053	0.053	ug/L	09/04/14	AW	608/ 8082	
QA/QC Surrogates								
% DCBP	35			%	09/04/14	AW	30 - 150 %	
% TCMX	82			%	09/04/14	AW	30 - 150 %	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/L	09/02/14	HM	SW8260	
1,1,1-Trichloroethane	ND	5.0	0.19	ug/L	09/02/14	HM	SW8260	
1,1,2,2-Tetrachloroethane	ND	1.0	0.15	ug/L	09/02/14	HM	SW8260	
1,1,2-Trichloroethane	ND	1.0	0.20	ug/L	09/02/14	HM	SW8260	
1,1-Dichloroethane	ND	5.0	0.23	ug/L	09/02/14	HM	SW8260	

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1,1-Dichloroethene	ND		1.0	0.24	ug/L	09/02/14	HM	SW8260	
1,1-Dichloropropene	ND		1.0	0.20	ug/L	09/02/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		1.0	0.20	ug/L	09/02/14	HM	SW8260	
1,2,3-Trichloropropane	ND		1.0	0.21	ug/L	09/02/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		1.0	0.18	ug/L	09/02/14	HM	SW8260	
1,2,4-Trimethylbenzene	ND		1.0	0.18	ug/L	09/02/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		1.0	0.36	ug/L	09/02/14	HM	SW8260	
1,2-Dibromoethane	ND		1.0	0.20	ug/L	09/02/14	HM	SW8260	
1,2-Dichlorobenzene	ND		1.0	0.16	ug/L	09/02/14	HM	SW8260	
1,2-Dichloroethane	ND		0.60	0.20	ug/L	09/02/14	HM	SW8260	
1,2-Dichloropropane	ND		1.0	0.18	ug/L	09/02/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		1.0	0.21	ug/L	09/02/14	HM	SW8260	
1,3-Dichlorobenzene	ND		5.0	0.19	ug/L	09/02/14	HM	SW8260	
1,3-Dichloropropane	ND		1.0	0.22	ug/L	09/02/14	HM	SW8260	
1,4-Dichlorobenzene	ND		5.0	0.19	ug/L	09/02/14	HM	SW8260	
2,2-Dichloropropane	ND		1.0	0.16	ug/L	09/02/14	HM	SW8260	
2-Chlorotoluene	ND		1.0	0.23	ug/L	09/02/14	HM	SW8260	
2-Hexanone	ND		1.0	0.27	ug/L	09/02/14	HM	SW8260	
2-Isopropyltoluene	ND		1.0	0.21	ug/L	09/02/14	HM	SW8260	1
4-Chlorotoluene	ND		1.0	0.16	ug/L	09/02/14	HM	SW8260	
4-Methyl-2-pentanone	ND		1.0	0.19	ug/L	09/02/14	HM	SW8260	
Acetone	1.5	JS	5.0	0.31	ug/L	09/02/14	HM	SW8260	
Acrolein	ND		5.0	0.95	ug/L	09/02/14	HM	SW8260	
Acrylonitrile	ND		5.0	0.17	ug/L	09/02/14	HM	SW8260	
Benzene	ND		0.70	0.19	ug/L	09/02/14	HM	SW8260	
Bromobenzene	ND		1.0	0.20	ug/L	09/02/14	HM	SW8260	
Bromochloromethane	ND		1.0	0.22	ug/L	09/02/14	HM	SW8260	
Bromodichloromethane	ND		1.0	0.16	ug/L	09/02/14	HM	SW8260	
Bromoform	ND		5.0	0.10	ug/L	09/02/14	HM	SW8260	
Bromomethane	ND		5.0	0.50	ug/L	09/02/14	HM	SW8260	
Carbon Disulfide	ND		1.0	0.24	ug/L	09/02/14	HM	SW8260	
Carbon tetrachloride	ND		1.0	0.23	ug/L	09/02/14	HM	SW8260	
Chlorobenzene	ND		5.0	0.20	ug/L	09/02/14	HM	SW8260	
Chloroethane	ND		5.0	0.24	ug/L	09/02/14	HM	SW8260	
Chloroform	2.2	J	5.0	0.22	ug/L	09/02/14	HM	SW8260	
Chloromethane	ND		5.0	0.21	ug/L	09/02/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L	09/02/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		0.40	0.15	ug/L	09/02/14	HM	SW8260	
Dibromochloromethane	ND		1.0	0.15	ug/L	09/02/14	HM	SW8260	
Dibromomethane	ND		1.0	0.23	ug/L	09/02/14	HM	SW8260	
Dichlorodifluoromethane	ND		1.0	0.26	ug/L	09/02/14	HM	SW8260	
Ethylbenzene	ND		1.0	0.19	ug/L	09/02/14	HM	SW8260	
Hexachlorobutadiene	ND		1.0	0.13	ug/L	09/02/14	HM	SW8260	
Isopropylbenzene	ND		1.0	0.22	ug/L	09/02/14	HM	SW8260	
m&p-Xylene	ND		1.0	0.42	ug/L	09/02/14	HM	SW8260	
Methyl ethyl ketone	ND		1.0	0.50	ug/L	09/02/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		1.0	0.19	ug/L	09/02/14	HM	SW8260	
Methylene chloride	ND		3.0	0.16	ug/L	09/02/14	HM	SW8260	
Naphthalene	ND		1.0	0.19	ug/L	09/02/14	HM	SW8260	

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n-Butylbenzene	ND		1.0	0.22	ug/L	09/02/14	HM	SW8260	
n-Propylbenzene	ND		1.0	0.20	ug/L	09/02/14	HM	SW8260	
o-Xylene	ND		1.0	0.45	ug/L	09/02/14	HM	SW8260	
p-Isopropyltoluene	ND		1.0	0.21	ug/L	09/02/14	HM	SW8260	
sec-Butylbenzene	ND		1.0	0.22	ug/L	09/02/14	HM	SW8260	
Styrene	ND		1.0	0.41	ug/L	09/02/14	HM	SW8260	
tert-Butylbenzene	ND		1.0	0.23	ug/L	09/02/14	HM	SW8260	
Tetrachloroethene	0.86	J	1.0	0.24	ug/L	09/02/14	HM	SW8260	
Tetrahydrofuran (THF)	ND		5.0	0.51	ug/L	09/02/14	HM	SW8260	1
Toluene	ND		1.0	0.20	ug/L	09/02/14	HM	SW8260	
trans-1,2-Dichloroethene	ND		5.0	0.20	ug/L	09/02/14	HM	SW8260	
trans-1,3-Dichloropropene	ND		0.40	0.14	ug/L	09/02/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND		1.0	0.45	ug/L	09/02/14	HM	SW8260	
Trichloroethene	0.41	J	1.0	0.18	ug/L	09/02/14	HM	SW8260	
Trichlorofluoromethane	ND		1.0	0.23	ug/L	09/02/14	HM	SW8260	
Trichlorotrifluoroethane	ND		1.0	0.23	ug/L	09/02/14	HM	SW8260	
Vinyl chloride	ND		1.0	0.14	ug/L	09/02/14	HM	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	99				%	09/02/14	HM	70 - 130 %	
% Bromofluorobenzene	96				%	09/02/14	HM	70 - 130 %	
% Dibromofluoromethane	101				%	09/02/14	HM	70 - 130 %	
% Toluene-d8	98				%	09/02/14	HM	70 - 130 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND		5.8	1.8	ug/L	09/04/14	DD	SW 8270	
1,2-Dichlorobenzene	ND		1.2	1.6	ug/L	09/04/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND		5.8	1.9	ug/L	09/04/14	DD	SW 8270	
1,3-Dichlorobenzene	ND		1.2	1.7	ug/L	09/04/14	DD	SW 8270	
1,4-Dichlorobenzene	ND		1.2	1.7	ug/L	09/04/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND		1.2	1.2	ug/L	09/04/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND		1.2	1.2	ug/L	09/04/14	DD	SW 8270	
2,4-Dichlorophenol	ND		1.2	1.2	ug/L	09/04/14	DD	SW 8270	
2,4-Dimethylphenol	ND		1.2	1.2	ug/L	09/04/14	DD	SW 8270	
2,4-Dinitrophenol	ND		1.2	1.2	ug/L	09/04/14	DD	SW 8270	
2,4-Dinitrotoluene	ND		5.8	2.3	ug/L	09/04/14	DD	SW 8270	
2,6-Dinitrotoluene	ND		5.8	1.8	ug/L	09/04/14	DD	SW 8270	
2-Chloronaphthalene	ND		5.8	1.7	ug/L	09/04/14	DD	SW 8270	
2-Chlorophenol	ND		1.2	1.2	ug/L	09/04/14	DD	SW 8270	
2-Methylnaphthalene	ND		5.8	1.7	ug/L	09/04/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		1.2	1.2	ug/L	09/04/14	DD	SW 8270	
2-Nitroaniline	ND		5.8	5.8	ug/L	09/04/14	DD	SW 8270	
2-Nitrophenol	ND		1.2	1.2	ug/L	09/04/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		1.2	1.2	ug/L	09/04/14	DD	SW 8270	
3,3'-Dichlorobenzidine	ND		5.8	2.7	ug/L	09/04/14	DD	SW 8270	
3-Nitroaniline	ND		5.8	5.8	ug/L	09/04/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		1.2	1.2	ug/L	09/04/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		5.8	1.7	ug/L	09/04/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND		1.2	1.2	ug/L	09/04/14	DD	SW 8270	
4-Chloroaniline	ND		4.1	2.7	ug/L	09/04/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		5.8	2.0	ug/L	09/04/14	DD	SW 8270	

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4-Nitroaniline	ND	5.8	1.9	ug/L	09/04/14	DD	SW 8270	
4-Nitrophenol	ND	1.2	1.2	ug/L	09/04/14	DD	SW 8270	
Acenaphthene	ND	5.8	1.8	ug/L	09/04/14	DD	SW 8270	
Acetophenone	ND	5.8	1.8	ug/L	09/04/14	DD	SW 8270	
Aniline	ND	4.1	5.8	ug/L	09/04/14	DD	SW 8270	
Anthracene	ND	5.8	1.9	ug/L	09/04/14	DD	SW 8270	
Benzidine	ND	5.2	3.4	ug/L	09/04/14	DD	SW 8270	
Benzoic acid	ND	29	12	ug/L	09/04/14	DD	SW 8270	
Benzyl butyl phthalate	ND	5.8	1.5	ug/L	09/04/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	5.8	1.6	ug/L	09/04/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	1.2	1.2	ug/L	09/04/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	5.8	1.6	ug/L	09/04/14	DD	SW 8270	
Carbazole	ND	29	4.4	ug/L	09/04/14	DD	SW 8270	
Dibenzofuran	ND	5.8	1.7	ug/L	09/04/14	DD	SW 8270	
Diethyl phthalate	ND	5.8	1.8	ug/L	09/04/14	DD	SW 8270	
Dimethylphthalate	ND	5.8	1.8	ug/L	09/04/14	DD	SW 8270	
Di-n-butylphthalate	ND	5.8	1.5	ug/L	09/04/14	DD	SW 8270	
Di-n-octylphthalate	ND	5.8	1.5	ug/L	09/04/14	DD	SW 8270	
Fluoranthene	ND	5.8	1.9	ug/L	09/04/14	DD	SW 8270	
Fluorene	ND	5.8	1.9	ug/L	09/04/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	5.8	1.8	ug/L	09/04/14	DD	SW 8270	
Isophorone	ND	5.8	1.6	ug/L	09/04/14	DD	SW 8270	
Naphthalene	ND	5.8	1.7	ug/L	09/04/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	1.2	1.2	ug/L	09/04/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	5.8	1.9	ug/L	09/04/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	5.8	2.2	ug/L	09/04/14	DD	SW 8270	
Phenol	ND	1.2	1.9	ug/L	09/04/14	DD	SW 8270	
Pyrene	ND	5.8	2.0	ug/L	09/04/14	DD	SW 8270	
Pyridine	ND	12	1.4	ug/L	09/04/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	93			%	09/04/14	DD	15 - 110 %	
% 2-Fluorobiphenyl	89			%	09/04/14	DD	30 - 130 %	
% 2-Fluorophenol	63			%	09/04/14	DD	15 - 110 %	
% Nitrobenzene-d5	78			%	09/04/14	DD	30 - 130 %	
% Phenol-d5	67			%	09/04/14	DD	15 - 110 %	
% Terphenyl-d14	101			%	09/04/14	DD	30 - 130 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	0.58	0.58	ug/L	09/03/14	DD	SW8270 (SIM)	
Acenaphthylene	ND	0.12	0.12	ug/L	09/03/14	DD	SW8270 (SIM)	
Benz(a)anthracene	ND	0.02	0.02	ug/L	09/03/14	DD	SW8270 (SIM)	B
Benzo(a)pyrene	ND	0.02	0.02	ug/L	09/03/14	DD	SW8270 (SIM)	
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	09/03/14	DD	SW8270 (SIM)	
Benzo(ghi)perylene	ND	0.02	0.02	ug/L	09/03/14	DD	SW8270 (SIM)	
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	09/03/14	DD	SW8270 (SIM)	
Bis(2-ethylhexyl)phthalate	ND	1.2	1.2	ug/L	09/03/14	DD	SW8270 (SIM)	
Chrysene	ND	0.02	0.02	ug/L	09/03/14	DD	SW8270 (SIM)	
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	09/03/14	DD	SW8270 (SIM)	
Hexachlorobenzene	ND	0.02	0.02	ug/L	09/03/14	DD	SW8270 (SIM)	
Hexachlorobutadiene	ND	0.47	0.47	ug/L	09/03/14	DD	SW8270 (SIM)	

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Hexachloroethane	ND	0.58	0.58	ug/L	09/03/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	09/03/14	DD	SW8270 (SIM)
Nitrobenzene	ND	0.12	0.12	ug/L	09/03/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.12	0.12	ug/L	09/03/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.93	0.93	ug/L	09/03/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.12	0.12	ug/L	09/03/14	DD	SW8270 (SIM)
QA/QC Surrogates							
% 2,4,6-Tribromophenol	91			%	09/03/14	DD	15 - 110 %
% 2-Fluorobiphenyl	79			%	09/03/14	DD	30 - 130 %
% 2-Fluorophenol	64			%	09/03/14	DD	15 - 110 %
% Nitrobenzene-d5	87			%	09/03/14	DD	30 - 130 %
% Phenol-d5	69			%	09/03/14	DD	15 - 110 %
% Terphenyl-d14	86			%	09/03/14	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
September 09, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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NY # 11301

QA/QC Report

September 09, 2014

QA/QC Data

SDG I.D.: GBH02809

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 284830, QC Sample No: BH01628 (BH02809, BH02810, BH02811, BH02812)													
Selenium (Dissolved)	BRL	<0.002	<0.011	NC	119	131	9.6	108	107	0.9	75 - 125	20	I
QA/QC Batch 284981, QC Sample No: BH02809 (BH02809, BH02810, BH02811, BH02812)													
Antimony (Dissolved)	BRL	<0.003	<0.005	NC	108	106	1.9	125	112	11.0	75 - 125	20	
Thallium (Dissolved)	BRL	<0.001	<0.005	NC	115	112	2.6	98.5	95.9	2.7	75 - 125	20	
QA/QC Batch 284978, QC Sample No: BH02812 (BH02809, BH02810, BH02811, BH02812)													
ICP Metals - Dissolved													
Aluminum	BRL	0.69	0.70	1.40	99.9	99.8	0.1	109	104	4.7	75 - 125	20	
Arsenic	BRL	0.004	0.005	NC	106	105	0.9	100	98.1	1.9	75 - 125	20	
Barium	BRL	0.070	0.070	0	103	102	1.0	93.8	91.6	2.4	75 - 125	20	
Beryllium	BRL	<0.001	<0.001	NC	108	107	0.9	101	99.1	1.9	75 - 125	20	
Cadmium	BRL	<0.004	<0.001	NC	109	107	1.9	98.1	94.8	3.4	75 - 125	20	
Calcium	BRL	58.5	58.2	0.50	108	107	0.9	NC	NC	NC	75 - 125	20	
Chromium	BRL	0.003	0.003	NC	110	109	0.9	99.8	97.5	2.3	75 - 125	20	
Cobalt	BRL	0.005	0.005	NC	106	105	0.9	95.5	92.5	3.2	75 - 125	20	
Copper	BRL	<0.005	<0.005	NC	103	103	0.0	97.3	94.9	2.5	75 - 125	20	
Iron	BRL	1.01	1.07	5.80	107	106	0.9	115	115	0.0	75 - 125	20	
Lead	BRL	<0.002	<0.002	NC	109	108	0.9	97.7	95.2	2.6	75 - 125	20	
Magnesium	BRL	15.1	15.1	0	111	110	0.9	NC	NC	NC	75 - 125	20	
Manganese	BRL	2.39	2.33	2.50	110	109	0.9	95.3	100	4.8	75 - 125	20	
Nickel	BRL	0.013	0.014	NC	107	105	1.9	98.8	96.7	2.1	75 - 125	20	
Potassium	BRL	3.7	3.4	8.50	82.4	76.9	6.9	92.5	87.6	5.4	75 - 125	20	
Silver	BRL	<0.005	<0.001	NC	99.5	98.0	1.5	90.5	95.8	5.7	75 - 125	20	
Sodium	BRL	81.7	78.5	4.00	110	110	0.0	NC	NC	NC	75 - 125	20	
Vanadium	BRL	<0.011	<0.002	NC	104	103	1.0	97.0	94.5	2.6	75 - 125	20	
Zinc	BRL	<0.011	0.006	NC	106	104	1.9	98.6	96.0	2.7	75 - 125	20	
QA/QC Batch 285192, QC Sample No: BH03559 (BH02809, BH02810, BH02811, BH02812)													
Mercury (Dissolved)	BRL	<0.0002	<0.0003	NC	84.4	94.6	11.4	97.2	91.4	6.2	70 - 130	20	

Comment:

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.

I = This parameter is outside laboratory lcs/lcsd specified recovery limits.

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

September 09, 2014

QA/QC Data

SDG I.D.: GBH02809

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 284976, QC Sample No: BH02809 (BH02809, BH02810, BH02811, BH02812)									
Pesticides - Ground Water									
4,4' -DDD	ND	77	76	1.3				40 - 140	20
4,4' -DDE	ND	76	76	0.0				40 - 140	20
4,4' -DDT	ND	78	80	2.5				40 - 140	20
a-BHC	ND	88	89	1.1				40 - 140	20
a-Chlordane	ND	80	81	1.2				40 - 140	20
Alachlor	ND	NA	NA	NC				40 - 140	20
Aldrin	ND	62	64	3.2				40 - 140	20
b-BHC	ND	84	85	1.2				40 - 140	20
Chlordane	ND	78	79	1.3				40 - 140	20
d-BHC	ND	84	85	1.2				40 - 140	20
Dieldrin	ND	82	81	1.2				40 - 140	20
Endosulfan I	ND	81	83	2.4				40 - 140	20
Endosulfan II	ND	81	82	1.2				40 - 140	20
Endosulfan sulfate	ND	75	76	1.3				40 - 140	20
Endrin	ND	82	85	3.6				40 - 140	20
Endrin aldehyde	ND	101	100	1.0				40 - 140	20
Endrin ketone	ND	83	84	1.2				40 - 140	20
g-BHC	ND	91	91	0.0				40 - 140	20
g-Chlordane	ND	78	79	1.3				40 - 140	20
Heptachlor	ND	77	77	0.0				40 - 140	20
Heptachlor epoxide	ND	82	82	0.0				40 - 140	20
Methoxychlor	ND	81	84	3.6				40 - 140	20
Toxaphene	ND	NA	NA	NC				40 - 140	20
% DCBP	77	84	83	1.2				30 - 150	20
% TCMX	82	89	88	1.1				30 - 150	20

Comment:

Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane. Gamma chlordane recovery is reported in the LCS, LCSD, MS and MSD.

QA/QC Batch 284975, QC Sample No: BH02809 (BH02809, BH02810, BH02811, BH02812)									
Polychlorinated Biphenyls - Ground Water									
PCB-1016	ND	100	103	3.0				40 - 140	20
PCB-1221	ND							40 - 140	20
PCB-1232	ND							40 - 140	20
PCB-1242	ND							40 - 140	20
PCB-1248	ND							40 - 140	20
PCB-1254	ND							40 - 140	20
PCB-1260	ND	90	94	4.3				40 - 140	20
PCB-1262	ND							40 - 140	20
PCB-1268	ND							40 - 140	20
% DCBP (Surrogate Rec)	74	54	49	9.7				30 - 150	20
% TCMX (Surrogate Rec)	89	94	98	4.2				30 - 150	20

QA/QC Data

SDG I.D.: GBH02809

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 285102, QC Sample No: BH02809 (BH02809, BH02810, BH02811, BH02812)

Volatiles - Ground Water

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,1,1,2-Tetrachloroethane	ND	95	98	3.1	88	93	5.5	70 - 130	30	
1,1,1-Trichloroethane	ND	91	92	1.1	87	88	1.1	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	106	110	3.7	89	99	10.6	70 - 130	30	
1,1,2-Trichloroethane	ND	87	97	10.9	78	88	12.0	70 - 130	30	
1,1-Dichloroethane	ND	87	88	1.1	83	85	2.4	70 - 130	30	
1,1-Dichloroethene	ND	99	100	1.0	91	96	5.3	70 - 130	30	
1,1-Dichloropropene	ND	88	86	2.3	84	85	1.2	70 - 130	30	
1,2,3-Trichlorobenzene	ND	102	107	4.8	89	98	9.6	70 - 130	30	
1,2,3-Trichloropropane	ND	98	104	5.9	86	94	8.9	70 - 130	30	
1,2,4-Trichlorobenzene	ND	97	100	3.0	88	94	6.6	70 - 130	30	
1,2,4-Trimethylbenzene	ND	90	90	0.0	91	91	0.0	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	108	118	8.8	96	109	12.7	70 - 130	30	
1,2-Dibromoethane	ND	90	97	7.5	77	88	13.3	70 - 130	30	
1,2-Dichlorobenzene	ND	95	99	4.1	87	91	4.5	70 - 130	30	
1,2-Dichloroethane	ND	91	96	5.3	80	87	8.4	70 - 130	30	
1,2-Dichloropropane	ND	85	87	2.3	77	82	6.3	70 - 130	30	
1,3,5-Trimethylbenzene	ND	96	95	1.0	93	91	2.2	70 - 130	30	
1,3-Dichlorobenzene	ND	95	93	2.1	89	89	0.0	70 - 130	30	
1,3-Dichloropropane	ND	94	101	7.2	85	94	10.1	70 - 130	30	
1,4-Dichlorobenzene	ND	93	94	1.1	88	90	2.2	70 - 130	30	
2,2-Dichloropropane	ND	70	70	0.0	89	91	2.2	70 - 130	30	
2-Chlorotoluene	ND	94	91	3.2	90	90	0.0	70 - 130	30	
2-Hexanone	ND	87	98	11.9	76	93	20.1	70 - 130	30	
2-Isopropyltoluene	ND	97	98	1.0	96	95	1.0	70 - 130	30	
4-Chlorotoluene	ND	92	90	2.2	91	90	1.1	70 - 130	30	
4-Methyl-2-pentanone	ND	88	99	11.8	77	94	19.9	70 - 130	30	
Acetone	ND	90	107	17.3	58	72	21.5	70 - 130	30	m
Acrolein	ND	84	98	15.4	80	93	15.0	70 - 130	30	
Acrylonitrile	ND	98	110	11.5	83	100	18.6	70 - 130	30	
Benzene	ND	87	87	0.0	80	81	1.2	70 - 130	30	
Bromobenzene	ND	96	95	1.0	88	90	2.2	70 - 130	30	
Bromochloromethane	ND	90	95	5.4	78	87	10.9	70 - 130	30	
Bromodichloromethane	ND	91	96	5.3	80	86	7.2	70 - 130	30	
Bromoform	ND	98	106	7.8	87	99	12.9	70 - 130	30	
Bromomethane	ND	81	97	18.0	78	98	22.7	70 - 130	30	
Carbon Disulfide	ND	93	95	2.1	87	87	0.0	70 - 130	30	
Carbon tetrachloride	ND	90	90	0.0	87	88	1.1	70 - 130	30	
Chlorobenzene	ND	90	91	1.1	86	89	3.4	70 - 130	30	
Chloroethane	ND	90	93	3.3	90	90	0.0	70 - 130	30	
Chloroform	ND	88	91	3.4	82	85	3.6	70 - 130	30	
Chloromethane	ND	82	84	2.4	79	78	1.3	70 - 130	30	
cis-1,2-Dichloroethene	ND	89	90	1.1	80	83	3.7	70 - 130	30	
cis-1,3-Dichloropropene	ND	85	89	4.6	79	86	8.5	70 - 130	30	
Dibromochloromethane	ND	97	106	8.9	87	97	10.9	70 - 130	30	
Dibromomethane	ND	90	96	6.5	79	88	10.8	70 - 130	30	
Dichlorodifluoromethane	ND	76	76	0.0	72	72	0.0	70 - 130	30	
Ethylbenzene	ND	93	92	1.1	88	90	2.2	70 - 130	30	
Hexachlorobutadiene	ND	90	97	7.5	83	85	2.4	70 - 130	30	

QA/QC Data

SDG I.D.: GBH02809

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Isopropylbenzene	ND	95	93	2.1	94	90	4.3	70 - 130	30
m&p-Xylene	ND	90	90	0.0	87	90	3.4	70 - 130	30
Methyl ethyl ketone	ND	83	99	17.6	80	89	10.7	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	97	107	9.8	81	92	12.7	70 - 130	30
Methylene chloride	ND	83	86	3.6	75	79	5.2	70 - 130	30
Naphthalene	ND	106	113	6.4	91	104	13.3	70 - 130	30
n-Butylbenzene	ND	88	91	3.4	92	92	0.0	70 - 130	30
n-Propylbenzene	ND	90	87	3.4	93	91	2.2	70 - 130	30
o-Xylene	ND	91	93	2.2	88	90	2.2	70 - 130	30
p-Isopropyltoluene	ND	92	94	2.2	93	92	1.1	70 - 130	30
sec-Butylbenzene	ND	96	96	0.0	93	92	1.1	70 - 130	30
Styrene	ND	93	93	0.0	86	91	5.6	70 - 130	30
tert-Butylbenzene	ND	95	93	2.1	93	91	2.2	70 - 130	30
Tetrachloroethene	ND	91	89	2.2	87	92	5.6	70 - 130	30
Tetrahydrofuran (THF)	ND	90	104	14.4	79	94	17.3	70 - 130	30
Toluene	ND	85	86	1.2	80	82	2.5	70 - 130	30
trans-1,2-Dichloroethene	ND	91	93	2.2	82	84	2.4	70 - 130	30
trans-1,3-Dichloropropene	ND	87	92	5.6	79	87	9.6	70 - 130	30
trans-1,4-dichloro-2-butene	ND	92	101	9.3	97	107	9.8	70 - 130	30
Trichloroethene	ND	88	88	0.0	84	85	1.2	70 - 130	30
Trichlorofluoromethane	ND	93	94	1.1	94	94	0.0	70 - 130	30
Trichlorotrifluoroethane	ND	96	97	1.0	97	97	0.0	70 - 130	30
Vinyl chloride	ND	85	88	3.5	84	84	0.0	70 - 130	30
% 1,2-dichlorobenzene-d4	98	97	99	2.0	96	97	1.0	70 - 130	30
% Bromofluorobenzene	95	95	96	1.0	94	96	2.1	70 - 130	30
% Dibromofluoromethane	102	101	105	3.9	98	101	3.0	70 - 130	30
% Toluene-d8	99	99	99	0.0	97	97	0.0	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 284967, QC Sample No: BH02809 (BH02809, BH02810, BH02811, BH02812)

Semivolatiles - Ground Water

1,2,4,5-Tetrachlorobenzene	ND	96	93	3.2				30 - 130	20
1,2,4-Trichlorobenzene	ND	94	93	1.1				30 - 130	20
1,2-Dichlorobenzene	ND	85	85	0.0				30 - 130	20
1,2-Diphenylhydrazine	ND	97	105	7.9				30 - 130	20
1,3-Dichlorobenzene	ND	86	85	1.2				30 - 130	20
1,4-Dichlorobenzene	ND	83	84	1.2				30 - 130	20
2,4,5-Trichlorophenol	ND	114	114	0.0				30 - 130	20
2,4,6-Trichlorophenol	ND	111	111	0.0				30 - 130	20
2,4-Dichlorophenol	ND	99	98	1.0				30 - 130	20
2,4-Dimethylphenol	ND	57	57	0.0				30 - 130	20
2,4-Dinitrophenol	ND	95	97	2.1				30 - 130	20
2,4-Dinitrotoluene	ND	102	104	1.9				30 - 130	20
2,6-Dinitrotoluene	ND	104	106	1.9				30 - 130	20
2-Chloronaphthalene	ND	103	104	1.0				30 - 130	20
2-Chlorophenol	ND	85	86	1.2				30 - 130	20
2-Methylnaphthalene	ND	94	94	0.0				30 - 130	20
2-Methylphenol (o-cresol)	ND	77	78	1.3				30 - 130	20
2-Nitroaniline	ND	110	115	4.4				30 - 130	20
2-Nitrophenol	ND	88	90	2.2				30 - 130	20
3&4-Methylphenol (m&p-cresol)	ND	83	85	2.4				30 - 130	20

QA/QC Data

SDG I.D.: GBH02809

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
3,3'-Dichlorobenzidine	ND	132	135	2.2				30 - 130	20	I
3-Nitroaniline	ND	123	132	7.1				30 - 130	20	I
4,6-Dinitro-2-methylphenol	ND	114	117	2.6				30 - 130	20	
4-Bromophenyl phenyl ether	ND	97	96	1.0				30 - 130	20	
4-Chloro-3-methylphenol	ND	99	100	1.0				30 - 130	20	
4-Chloroaniline	ND	70	74	5.6				30 - 130	20	
4-Chlorophenyl phenyl ether	ND	107	106	0.9				30 - 130	20	
4-Nitroaniline	ND	101	108	6.7				30 - 130	20	
4-Nitrophenol	ND	94	101	7.2				15 - 130	20	
Acenaphthene	ND	101	101	0.0				30 - 130	20	
Acenaphthylene	ND	98	99	1.0				30 - 130	20	
Acetophenone	ND	88	90	2.2				30 - 130	20	
Aniline	ND	62	64	3.2				30 - 130	20	
Anthracene	ND	103	104	1.0				30 - 130	20	
Benz(a)anthracene	0.03	99	101	2.0				30 - 130	20	
Benzidine	ND	152	>200	NC				30 - 130	20	I
Benzo(a)pyrene	ND	104	104	0.0				30 - 130	20	
Benzo(b)fluoranthene	ND	107	106	0.9				30 - 130	20	
Benzo(ghi)perylene	ND	97	97	0.0				30 - 130	20	
Benzo(k)fluoranthene	ND	102	101	1.0				30 - 130	20	
Benzoic acid	ND	64	61	4.8				30 - 130	20	
Benzyl butyl phthalate	ND	111	115	3.5				30 - 130	20	
Bis(2-chloroethoxy)methane	ND	92	96	4.3				30 - 130	20	
Bis(2-chloroethyl)ether	ND	82	85	3.6				30 - 130	20	
Bis(2-chloroisopropyl)ether	ND	87	93	6.7				30 - 130	20	
Bis(2-ethylhexyl)phthalate	ND	105	107	1.9				30 - 130	20	
Carbazole	ND	141	134	5.1				30 - 130	20	I
Chrysene	ND	105	106	0.9				30 - 130	20	
Dibenz(a,h)anthracene	ND	98	99	1.0				30 - 130	20	
Dibenzofuran	ND	99	100	1.0				30 - 130	20	
Diethyl phthalate	ND	103	107	3.8				30 - 130	20	
Dimethylphthalate	ND	103	105	1.9				30 - 130	20	
Di-n-butylphthalate	ND	107	113	5.5				30 - 130	20	
Di-n-octylphthalate	ND	109	115	5.4				30 - 130	20	
Fluoranthene	ND	105	107	1.9				30 - 130	20	
Fluorene	ND	103	104	1.0				30 - 130	20	
Hexachlorobenzene	ND	102	105	2.9				30 - 130	20	
Hexachlorobutadiene	ND	92	90	2.2				30 - 130	20	
Hexachlorocyclopentadiene	ND	74	71	4.1				30 - 130	20	
Hexachloroethane	ND	85	88	3.5				30 - 130	20	
Indeno(1,2,3-cd)pyrene	ND	99	99	0.0				30 - 130	20	
Isophorone	ND	98	102	4.0				30 - 130	20	
Naphthalene	ND	92	93	1.1				30 - 130	20	
Nitrobenzene	ND	84	87	3.5				30 - 130	20	
N-Nitrosodimethylamine	ND	70	72	2.8				30 - 130	20	
N-Nitrosodi-n-propylamine	ND	84	85	1.2				30 - 130	20	
N-Nitrosodiphenylamine	ND	125	127	1.6				30 - 130	20	
Pentachloronitrobenzene	ND	110	110	0.0				30 - 130	20	
Pentachlorophenol	ND	108	106	1.9				30 - 130	20	
Phenanthrene	ND	104	105	1.0				30 - 130	20	
Phenol	ND	71	73	2.8				15 - 130	20	
Pyrene	ND	106	109	2.8				30 - 130	20	
Pyridine	ND	40	44	9.5				30 - 130	20	

QA/QC Data

SDG I.D.: GBH02809

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
% 2,4,6-Tribromophenol	82	101	111	9.4				15 - 110	20	I
% 2-Fluorobiphenyl	72	98	98	0.0				30 - 130	20	
% 2-Fluorophenol	52	70	71	1.4				15 - 110	20	
% Nitrobenzene-d5	77	84	87	3.5				30 - 130	20	
% Phenol-d5	51	71	74	4.1				15 - 110	20	
% Terphenyl-d14	78	107	111	3.7				30 - 130	20	

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

I = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
September 09, 2014

Sample Criteria Exceedences Report

GBH02809 - EBC

Criteria: NY: 375, 375RS, CP51S

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY Temperature Narration

September 09, 2014

SDG I.D.: GBH02809

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

NY/NJ CHAIN OF CUSTODY RECORD

PHOENIX Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp Unused Pg 1 of 1

Data Delivery:
☐ Fax #:
☐ Email:

Customer: EBC
Address: 1808 Middle Country Rd Ridge NY

Project: 1036 Green St, Brooklyn
Report to: EBC
Invoice to:

Project P.O:
Phone #:
Fax #:

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 9/2/14

Matrix Code:
DW=drinking water WW=wastewater S=soil/solid O=oil
GW=groundwater SL=sludge A=air X=other

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs	SVOCs	TAL Metals	Pesticides/PCBs	Soil VOA [X] Methanol [ ] S. Bisulfate [ ] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [X] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
02809	MW-1	GW	8/29		X	X	X	X				X						
02810	MW-2	↓			↓	↓	↓	↓				↓						
02811	MW-3	↓			↓	↓	↓	↓				↓						
02812	Duplicate	↓			↓	↓	↓	↓				↓						
* 02813	B6 0-2	S			↓	↓	↓	↓		3	1							
02814	B6 12-14	↓			↓	↓	↓	↓		↓	↓							
02815	B7 0-2	↓			↓	↓	↓	↓		↓	↓							
02816	B7 12-14	↓			↓	↓	↓	↓		↓	↓							
02817	B8 0-2	↓			↓	↓	↓	↓		↓	↓							
02818	B8 12-14	↓			↓	↓	↓	↓		↓	↓							
* 02819	B9 0-2	↓			↓	↓	↓	↓		↓	↓							
02820	B9 12-14	↓			↓	↓	↓	↓		↓	↓							

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	9-2-14	1150
	[signature]	9-2-14	1707

Comments, Special Requirements or Regulations:

* did not Rcv - call client * LPB

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ 5 Days
☐ 10 Days
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TOGS GA GW
☒ CP-51 Soil
☒ NY375 Unrestricted Soil
☒ NY375 Residential Soil
☐ NY375 Restricted Non-Residential Soil

Data Format
☐ Phoenix Std Report
☒ Excel
☒ PDF
☐ GIS/Key
☐ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY

PHOENIX
Environmental Laboratories, Inc.

Wednesday, September 03, 2014

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 1036 GREENE ST BROOKLYN
Sample ID#s: BG99710 - BG99720

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

September 03, 2014

SDG I.D.: GBG99710

Please be advised that the NY unrestricted soil criteria for chromium is based on hexavalent chromium and trivalent chromium.

BG99710 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BG99711 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BG99712 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BG99713 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BG99714 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BG99715 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BG99716 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BG99717 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BG99718 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BG99719 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BG99720 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

September 03, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		08/26/14	10:30
Location Code:	EBC	Received by:	SW	08/26/14	16:31
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG99710
Phoenix ID: BG99710

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B6 0-2 FT

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.34		0.34	0.34	mg/Kg	08/27/14	LK	SW6010
Aluminum	10000		34	6.7	mg/Kg	08/27/14	LK	SW6010
Arsenic	2.7		0.7	0.67	mg/Kg	08/27/14	LK	SW6010
Barium	71.5		0.7	0.34	mg/Kg	08/27/14	LK	SW6010
Beryllium	0.42		0.27	0.13	mg/Kg	08/27/14	LK	SW6010
Calcium	35000		34	31	mg/Kg	08/27/14	LK	SW6010
Cadmium	0.29	B*	0.34	0.13	mg/Kg	08/27/14	LK	SW6010
Cobalt	6.24		0.34	0.34	mg/Kg	08/27/14	LK	SW6010
Chromium	16.2		0.34	0.34	mg/Kg	08/27/14	LK	SW6010
Copper	14.9		0.34	0.34	mg/kg	08/27/14	LK	SW6010
Iron	15700		34	34	mg/Kg	08/27/14	LK	SW6010
Mercury	0.12		0.08	0.05	mg/Kg	08/27/14	MA	SW-7471
Potassium	1120	N	7	2.6	mg/Kg	08/27/14	LK	SW6010
Magnesium	4500		3.4	3.4	mg/Kg	08/27/14	LK	SW6010
Manganese	309	N	3.4	3.4	mg/Kg	08/27/14	LK	SW6010
Sodium	230	N	7	2.9	mg/Kg	08/27/14	LK	SW6010
Nickel	11.5		0.34	0.34	mg/Kg	08/27/14	LK	SW6010
Lead	147		6.7	3.4	mg/Kg	08/27/14	LK	SW6010
Antimony	< 1.7		1.7	1.7	mg/Kg	08/27/14	LK	SW6010
Selenium	< 1.3		1.3	1.1	mg/Kg	08/27/14	LK	SW6010
Thallium	< 1.3		1.3	1.3	mg/Kg	08/27/14	LK	SW6010
Vanadium	21.8		0.3	0.34	mg/Kg	08/27/14	LK	SW6010
Zinc	341	N*	6.7	3.4	mg/Kg	08/27/14	LK	SW6010
Percent Solid	91				%	08/26/14	I	E160.3
Soil Extraction for PCB	Completed					08/26/14	BB	SW3545
Soil Extraction for Pesticide	Completed					08/26/14	BB	SW3545
Soil Extraction for SVOA	Completed					08/26/14	BJ/VH	SW3545
Mercury Digestion	Completed					08/27/14	I/I	SW7471

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B6 0-2 FT

Phoenix I.D.: BG99710

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				08/26/14	CB/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	36	36	ug/Kg	08/27/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	08/27/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	08/27/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	08/27/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	08/27/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	08/27/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	08/27/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	08/27/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	08/27/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	94			%	08/27/14	AW	30 - 150 %
% TCMX	70			%	08/27/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.6	2.6	ug/Kg	08/27/14	CE	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	08/27/14	CE	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	08/27/14	CE	SW8081
a-BHC	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Aldrin	ND	2.5	2.5	ug/Kg	08/27/14	CE	SW8081
b-BHC	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Chlordane	ND	36	36	ug/Kg	08/27/14	CE	SW8081
d-BHC	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	08/27/14	CE	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Endosulfan sulfate	ND	25	25	ug/Kg	08/27/14	CE	SW8081
Endrin	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	08/27/14	CE	SW8081
g-BHC	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Heptachlor	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	08/27/14	CE	SW8081
Methoxychlor	ND	7.2	7.2	ug/Kg	08/27/14	CE	SW8081
Toxaphene	ND	180	180	ug/Kg	08/27/14	CE	SW8081
QA/QC Surrogates							
% DCBP	93			%	08/27/14	CE	30 - 150 %
% TCMX	97			%	08/27/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.5	0.90	ug/Kg	08/28/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.5	1.1	ug/Kg	08/28/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.5	0.78	ug/Kg	08/28/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.5	0.54	ug/Kg	08/28/14	JLI	SW8260
1,1-Dichloroethane	ND	5.5	1.1	ug/Kg	08/28/14	JLI	SW8260
1,1-Dichloroethene	ND	5.5	1.2	ug/Kg	08/28/14	JLI	SW8260

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B6 0-2 FT

Phoenix I.D.: BG99710

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.5	1.1	ug/Kg	08/28/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		5.5	1.1	ug/Kg	08/28/14	JLI	SW8260	B
1,2,3-Trichloropropane	ND		5.5	0.78	ug/Kg	08/28/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		5.5	1.1	ug/Kg	08/28/14	JLI	SW8260	B
1,2,4-Trimethylbenzene	ND		5.5	0.79	ug/Kg	08/28/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.5	1.5	ug/Kg	08/28/14	JLI	SW8260	
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	08/28/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		5.5	0.60	ug/Kg	08/28/14	JLI	SW8260	
1,2-Dichloroethane	ND		5.5	0.48	ug/Kg	08/28/14	JLI	SW8260	
1,2-Dichloropropane	ND		5.5	0.78	ug/Kg	08/28/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND		5.5	0.73	ug/Kg	08/28/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		5.5	0.81	ug/Kg	08/28/14	JLI	SW8260	
1,3-Dichloropropane	ND		5.5	0.58	ug/Kg	08/28/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		5.5	0.87	ug/Kg	08/28/14	JLI	SW8260	
2,2-Dichloropropane	ND		5.5	0.92	ug/Kg	08/28/14	JLI	SW8260	
2-Chlorotoluene	ND		5.5	0.88	ug/Kg	08/28/14	JLI	SW8260	
2-Hexanone	ND		27	2.5	ug/Kg	08/28/14	JLI	SW8260	
2-Isopropyltoluene	ND		5.5	0.76	ug/Kg	08/28/14	JLI	SW8260	1
4-Chlorotoluene	ND		5.5	0.64	ug/Kg	08/28/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	08/28/14	JLI	SW8260	
Acetone	160	S	55	5.5	ug/Kg	08/28/14	JLI	SW8260	
Acrylonitrile	ND		11	3.1	ug/Kg	08/28/14	JLI	SW8260	
Benzene	ND		5.5	1.1	ug/Kg	08/28/14	JLI	SW8260	
Bromobenzene	ND		5.5	0.71	ug/Kg	08/28/14	JLI	SW8260	
Bromochloromethane	ND		5.5	0.80	ug/Kg	08/28/14	JLI	SW8260	
Bromodichloromethane	ND		5.5	0.68	ug/Kg	08/28/14	JLI	SW8260	
Bromoform	ND		5.5	0.77	ug/Kg	08/28/14	JLI	SW8260	
Bromomethane	ND		5.5	4.2	ug/Kg	08/28/14	JLI	SW8260	
Carbon Disulfide	ND		5.5	0.89	ug/Kg	08/28/14	JLI	SW8260	
Carbon tetrachloride	ND		5.5	0.64	ug/Kg	08/28/14	JLI	SW8260	
Chlorobenzene	ND		5.5	0.81	ug/Kg	08/28/14	JLI	SW8260	
Chloroethane	ND		5.5	1.3	ug/Kg	08/28/14	JLI	SW8260	
Chloroform	ND		5.5	1.0	ug/Kg	08/28/14	JLI	SW8260	
Chloromethane	ND		5.5	2.9	ug/Kg	08/28/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.5	1.2	ug/Kg	08/28/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.5	0.59	ug/Kg	08/28/14	JLI	SW8260	
Dibromochloromethane	ND		5.5	0.62	ug/Kg	08/28/14	JLI	SW8260	
Dibromomethane	ND		5.5	0.69	ug/Kg	08/28/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.5	1.5	ug/Kg	08/28/14	JLI	SW8260	
Ethylbenzene	ND		5.5	1.0	ug/Kg	08/28/14	JLI	SW8260	
Hexachlorobutadiene	ND		5.5	1.2	ug/Kg	08/28/14	JLI	SW8260	
Isopropylbenzene	ND		5.5	1.1	ug/Kg	08/28/14	JLI	SW8260	
m&p-Xylene	2.5	J	5.5	2.2	ug/Kg	08/28/14	JLI	SW8260	
Methyl Ethyl Ketone	16	J	33	4.8	ug/Kg	08/28/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	08/28/14	JLI	SW8260	
Methylene chloride	2.4	JS	5.5	0.90	ug/Kg	08/28/14	JLI	SW8260	B*
Naphthalene	ND		5.5	1.5	ug/Kg	08/28/14	JLI	SW8260	
n-Butylbenzene	ND		5.5	1.0	ug/Kg	08/28/14	JLI	SW8260	
n-Propylbenzene	ND		5.5	0.99	ug/Kg	08/28/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.5	2.1	ug/Kg	08/28/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.5	0.79	ug/Kg	08/28/14	JLI	SW8260	
sec-Butylbenzene	ND	5.5	1.0	ug/Kg	08/28/14	JLI	SW8260	
Styrene	ND	5.5	1.6	ug/Kg	08/28/14	JLI	SW8260	
tert-Butylbenzene	ND	5.5	0.88	ug/Kg	08/28/14	JLI	SW8260	
Tetrachloroethene	ND	5.5	1.2	ug/Kg	08/28/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11	4.9	ug/Kg	08/28/14	JLI	SW8260	1
Toluene	ND	5.5	0.87	ug/Kg	08/28/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.5	1.1	ug/Kg	08/28/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.5	1.1	ug/Kg	08/28/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	08/28/14	JLI	SW8260	
Trichloroethene	ND	5.5	1.2	ug/Kg	08/28/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.5	1.2	ug/Kg	08/28/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.5	0.86	ug/Kg	08/28/14	JLI	SW8260	
Vinyl chloride	ND	5.5	1.8	ug/Kg	08/28/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	96			%	08/28/14	JLI	70 - 121 %	
% Bromofluorobenzene	94			%	08/28/14	JLI	59 - 113 %	
% Dibromofluoromethane	58			%	08/28/14	JLI	70 - 130 %	3
% Toluene-d8	94			%	08/28/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	08/27/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	08/27/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	250	100	ug/Kg	08/27/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	08/27/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	250	110	ug/Kg	08/27/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	250	110	ug/Kg	08/27/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	08/27/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	250	120	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dichlorophenol	ND	250	130	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dimethylphenol	ND	250	90	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1800	250	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	250	140	ug/Kg	08/27/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	250	110	ug/Kg	08/27/14	DD	SW 8270	
2-Chloronaphthalene	ND	250	100	ug/Kg	08/27/14	DD	SW 8270	
2-Chlorophenol	ND	250	100	ug/Kg	08/27/14	DD	SW 8270	
2-Methylnaphthalene	ND	250	110	ug/Kg	08/27/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	08/27/14	DD	SW 8270	
2-Nitroaniline	ND	1800	370	ug/Kg	08/27/14	DD	SW 8270	
2-Nitrophenol	ND	250	230	ug/Kg	08/27/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	08/27/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	720	170	ug/Kg	08/27/14	DD	SW 8270	
3-Nitroaniline	ND	1800	790	ug/Kg	08/27/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1800	390	ug/Kg	08/27/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	08/27/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	08/27/14	DD	SW 8270	
4-Chloroaniline	ND	720	170	ug/Kg	08/27/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	08/27/14	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	08/27/14	DD	SW 8270	

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B6 0-2 FT

Phoenix I.D.: BG99710

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		1800	160	ug/Kg	08/27/14	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Acenaphthylene	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Aniline	ND		1800	730	ug/Kg	08/27/14	DD	SW 8270	
Anthracene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Benz(a)anthracene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Benzidine	ND		720	210	ug/Kg	08/27/14	DD	SW 8270	
Benzo(a)pyrene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Benzo(b)fluoranthene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Benzo(ghi)perylene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Benzo(k)fluoranthene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Benzoic acid	ND		1800	720	ug/Kg	08/27/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		250	93	ug/Kg	08/27/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		250	98	ug/Kg	08/27/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	150	J	250	100	ug/Kg	08/27/14	DD	SW 8270	
Carbazole	ND		1800	270	ug/Kg	08/27/14	DD	SW 8270	
Chrysene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Dibenzofuran	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Di-n-butylphthalate	ND		250	96	ug/Kg	08/27/14	DD	SW 8270	
Di-n-octylphthalate	ND		250	93	ug/Kg	08/27/14	DD	SW 8270	
Fluoranthene	200	J	250	120	ug/Kg	08/27/14	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Hexachlorobenzene	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	08/27/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Hexachloroethane	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Isophorone	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
Naphthalene	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
Nitrobenzene	ND		250	130	ug/Kg	08/27/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		250	140	ug/Kg	08/27/14	DD	SW 8270	
Pentachloronitrobenzene	ND		250	130	ug/Kg	08/27/14	DD	SW 8270	
Pentachlorophenol	ND		250	140	ug/Kg	08/27/14	DD	SW 8270	
Phenanthrene	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
Phenol	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Pyrene	170	J	250	120	ug/Kg	08/27/14	DD	SW 8270	
Pyridine	ND		250	89	ug/Kg	08/27/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	<10				%	08/27/14	DD	19 - 122 %	3
% 2-Fluorobiphenyl	72				%	08/27/14	DD	30 - 115 %	
% 2-Fluorophenol	43				%	08/27/14	DD	25 - 121 %	

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B6 0-2 FT

Phoenix I.D.: BG99710

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	65			%	08/27/14	DD	23 - 120 %
% Phenol-d5	63			%	08/27/14	DD	24 - 113 %
% Terphenyl-d14	87			%	08/27/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.
B* = Present in blank, a bias is possible.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY unrestricted soil criteria for chromium is based on hexavalent chromium and trivalent chromium.

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

Semi-Volatile Comment:
Poor surrogate recovery was observed for one acid surrogate. The other surrogates associated with this sample were within QA/QC criteria. No significant bias suspected.

Pesticide Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported.

Volatile Comment:
Poor surrogate recovery was observed for volatiles due to matrix interference. Sample was analyzed twice with similar results.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
September 03, 2014
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

September 03, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		08/26/14	10:35
Location Code:	EBC	Received by:	SW	08/26/14	16:31
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG99710
Phoenix ID: BG99711

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B6 0-2 FT DUPLICATE

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.37		0.37	0.37	mg/Kg	08/27/14	LK	SW6010
Aluminum	10400		37	7.4	mg/Kg	08/27/14	LK	SW6010
Arsenic	3.4		0.7	0.74	mg/Kg	08/27/14	LK	SW6010
Barium	68.2		0.7	0.37	mg/Kg	08/27/14	LK	SW6010
Beryllium	0.48		0.30	0.15	mg/Kg	08/27/14	LK	SW6010
Calcium	37400		37	34	mg/Kg	08/27/14	LK	SW6010
Cadmium	0.45	*	0.37	0.15	mg/Kg	08/27/14	LK	SW6010
Cobalt	6.74		0.37	0.37	mg/Kg	08/27/14	LK	SW6010
Chromium	18.7		0.37	0.37	mg/Kg	08/27/14	LK	SW6010
Copper	16.9		0.37	0.37	mg/kg	08/27/14	LK	SW6010
Iron	19700		37	37	mg/Kg	08/27/14	LK	SW6010
Mercury	0.06	B	0.07	0.04	mg/Kg	08/27/14	MA	SW-7471
Potassium	1080	N	7	2.9	mg/Kg	08/27/14	LK	SW6010
Magnesium	3410		3.7	3.7	mg/Kg	08/27/14	LK	SW6010
Manganese	316	N	3.7	3.7	mg/Kg	08/27/14	LK	SW6010
Sodium	324	N	7	3.2	mg/Kg	08/27/14	LK	SW6010
Nickel	11.5		0.37	0.37	mg/Kg	08/27/14	LK	SW6010
Lead	171		7.4	3.7	mg/Kg	08/27/14	LK	SW6010
Antimony	< 1.9		1.9	1.9	mg/Kg	08/27/14	LK	SW6010
Selenium	< 1.5		1.5	1.3	mg/Kg	08/27/14	LK	SW6010
Thallium	< 1.5		1.5	1.5	mg/Kg	08/27/14	LK	SW6010
Vanadium	23.2		0.4	0.37	mg/Kg	08/27/14	LK	SW6010
Zinc	329	N*	7.4	3.7	mg/Kg	08/27/14	LK	SW6010
Percent Solid	91				%	08/26/14	I	E160.3
Soil Extraction for PCB	Completed					08/26/14	BB	SW3545
Soil Extraction for Pesticide	Completed					08/26/14	BB	SW3545
Soil Extraction for SVOA	Completed					08/26/14	BJ/VH	SW3545
Mercury Digestion	Completed					08/27/14	I/I	SW7471

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B6 0-2 FT DUPLICATE

Phoenix I.D.: BG99711

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				08/26/14	CB/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	37	37	ug/Kg	08/27/14	AW	SW 8082
PCB-1221	ND	37	37	ug/Kg	08/27/14	AW	SW 8082
PCB-1232	ND	37	37	ug/Kg	08/27/14	AW	SW 8082
PCB-1242	ND	37	37	ug/Kg	08/27/14	AW	SW 8082
PCB-1248	ND	37	37	ug/Kg	08/27/14	AW	SW 8082
PCB-1254	ND	37	37	ug/Kg	08/27/14	AW	SW 8082
PCB-1260	ND	37	37	ug/Kg	08/27/14	AW	SW 8082
PCB-1262	ND	37	37	ug/Kg	08/27/14	AW	SW 8082
PCB-1268	ND	37	37	ug/Kg	08/27/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	94			%	08/27/14	AW	30 - 150 %
% TCMX	69			%	08/27/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.6	2.6	ug/Kg	08/27/14	CE	SW8081
4,4' -DDE	ND	3.0	3.0	ug/Kg	08/27/14	CE	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	08/27/14	CE	SW8081
a-BHC	ND	3.7	3.7	ug/Kg	08/27/14	CE	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	08/27/14	CE	SW8081
Aldrin	ND	2.5	2.5	ug/Kg	08/27/14	CE	SW8081
b-BHC	ND	3.7	3.7	ug/Kg	08/27/14	CE	SW8081
Chlordane	ND	37	37	ug/Kg	08/27/14	CE	SW8081
d-BHC	ND	3.7	3.7	ug/Kg	08/27/14	CE	SW8081
Dieldrin	ND	2.5	2.5	ug/Kg	08/27/14	CE	SW8081
Endosulfan I	ND	3.7	3.7	ug/Kg	08/27/14	CE	SW8081
Endosulfan II	ND	3.7	3.7	ug/Kg	08/27/14	CE	SW8081
Endosulfan sulfate	ND	30	30	ug/Kg	08/27/14	CE	SW8081
Endrin	ND	3.7	3.7	ug/Kg	08/27/14	CE	SW8081
Endrin aldehyde	ND	3.7	3.7	ug/Kg	08/27/14	CE	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	08/27/14	CE	SW8081
g-BHC	ND	3.7	3.7	ug/Kg	08/27/14	CE	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	08/27/14	CE	SW8081
Heptachlor	ND	3.7	3.7	ug/Kg	08/27/14	CE	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	08/27/14	CE	SW8081
Methoxychlor	ND	7.3	7.3	ug/Kg	08/27/14	CE	SW8081
Toxaphene	ND	180	180	ug/Kg	08/27/14	CE	SW8081
QA/QC Surrogates							
% DCBP	91			%	08/27/14	CE	30 - 150 %
% TCMX	101			%	08/27/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.5	0.90	ug/Kg	08/28/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.5	1.1	ug/Kg	08/28/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.5	0.78	ug/Kg	08/28/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.5	0.54	ug/Kg	08/28/14	JLI	SW8260
1,1-Dichloroethane	ND	5.5	1.1	ug/Kg	08/28/14	JLI	SW8260
1,1-Dichloroethene	ND	5.5	1.2	ug/Kg	08/28/14	JLI	SW8260

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B6 0-2 FT DUPLICATE

Phoenix I.D.: BG99711

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.5	1.1	ug/Kg	08/28/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		5.5	1.1	ug/Kg	08/28/14	JLI	SW8260	B
1,2,3-Trichloropropane	ND		5.5	0.78	ug/Kg	08/28/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		5.5	1.1	ug/Kg	08/28/14	JLI	SW8260	B
1,2,4-Trimethylbenzene	ND		5.5	0.79	ug/Kg	08/28/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.5	1.5	ug/Kg	08/28/14	JLI	SW8260	
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	08/28/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		5.5	0.60	ug/Kg	08/28/14	JLI	SW8260	
1,2-Dichloroethane	ND		5.5	0.48	ug/Kg	08/28/14	JLI	SW8260	
1,2-Dichloropropane	ND		5.5	0.78	ug/Kg	08/28/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND		5.5	0.73	ug/Kg	08/28/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		5.5	0.81	ug/Kg	08/28/14	JLI	SW8260	
1,3-Dichloropropane	ND		5.5	0.58	ug/Kg	08/28/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		5.5	0.87	ug/Kg	08/28/14	JLI	SW8260	
2,2-Dichloropropane	ND		5.5	0.92	ug/Kg	08/28/14	JLI	SW8260	
2-Chlorotoluene	ND		5.5	0.88	ug/Kg	08/28/14	JLI	SW8260	
2-Hexanone	ND		27	2.5	ug/Kg	08/28/14	JLI	SW8260	
2-Isopropyltoluene	ND		5.5	0.76	ug/Kg	08/28/14	JLI	SW8260	1
4-Chlorotoluene	ND		5.5	0.64	ug/Kg	08/28/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	08/28/14	JLI	SW8260	
Acetone	150	S	55	5.5	ug/Kg	08/28/14	JLI	SW8260	
Acrylonitrile	ND		11	3.1	ug/Kg	08/28/14	JLI	SW8260	
Benzene	ND		5.5	1.1	ug/Kg	08/28/14	JLI	SW8260	
Bromobenzene	ND		5.5	0.71	ug/Kg	08/28/14	JLI	SW8260	
Bromochloromethane	ND		5.5	0.80	ug/Kg	08/28/14	JLI	SW8260	
Bromodichloromethane	ND		5.5	0.68	ug/Kg	08/28/14	JLI	SW8260	
Bromoform	ND		5.5	0.77	ug/Kg	08/28/14	JLI	SW8260	
Bromomethane	ND		5.5	4.2	ug/Kg	08/28/14	JLI	SW8260	
Carbon Disulfide	ND		5.5	0.89	ug/Kg	08/28/14	JLI	SW8260	
Carbon tetrachloride	ND		5.5	0.64	ug/Kg	08/28/14	JLI	SW8260	
Chlorobenzene	ND		5.5	0.81	ug/Kg	08/28/14	JLI	SW8260	
Chloroethane	ND		5.5	1.3	ug/Kg	08/28/14	JLI	SW8260	
Chloroform	ND		5.5	1.0	ug/Kg	08/28/14	JLI	SW8260	
Chloromethane	ND		5.5	2.9	ug/Kg	08/28/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.5	1.2	ug/Kg	08/28/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.5	0.59	ug/Kg	08/28/14	JLI	SW8260	
Dibromochloromethane	ND		5.5	0.62	ug/Kg	08/28/14	JLI	SW8260	
Dibromomethane	ND		5.5	0.69	ug/Kg	08/28/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.5	1.5	ug/Kg	08/28/14	JLI	SW8260	
Ethylbenzene	ND		5.5	1.0	ug/Kg	08/28/14	JLI	SW8260	
Hexachlorobutadiene	ND		5.5	1.2	ug/Kg	08/28/14	JLI	SW8260	
Isopropylbenzene	ND		5.5	1.1	ug/Kg	08/28/14	JLI	SW8260	
m&p-Xylene	3.0	J	5.5	2.2	ug/Kg	08/28/14	JLI	SW8260	
Methyl Ethyl Ketone	8.2	J	33	4.8	ug/Kg	08/28/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	08/28/14	JLI	SW8260	
Methylene chloride	1.9	JS	5.5	0.90	ug/Kg	08/28/14	JLI	SW8260	B*
Naphthalene	ND		5.5	1.5	ug/Kg	08/28/14	JLI	SW8260	
n-Butylbenzene	ND		5.5	1.0	ug/Kg	08/28/14	JLI	SW8260	
n-Propylbenzene	ND		5.5	0.99	ug/Kg	08/28/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.5	2.1	ug/Kg	08/28/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.5	0.79	ug/Kg	08/28/14	JLI	SW8260	
sec-Butylbenzene	ND	5.5	1.0	ug/Kg	08/28/14	JLI	SW8260	
Styrene	ND	5.5	1.6	ug/Kg	08/28/14	JLI	SW8260	
tert-Butylbenzene	ND	5.5	0.88	ug/Kg	08/28/14	JLI	SW8260	
Tetrachloroethene	ND	5.5	1.2	ug/Kg	08/28/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11	4.9	ug/Kg	08/28/14	JLI	SW8260	1
Toluene	ND	5.5	0.87	ug/Kg	08/28/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.5	1.1	ug/Kg	08/28/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.5	1.1	ug/Kg	08/28/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	08/28/14	JLI	SW8260	
Trichloroethene	ND	5.5	1.2	ug/Kg	08/28/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.5	1.2	ug/Kg	08/28/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.5	0.86	ug/Kg	08/28/14	JLI	SW8260	
Vinyl chloride	ND	5.5	1.8	ug/Kg	08/28/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	96			%	08/28/14	JLI	70 - 121 %	
% Bromofluorobenzene	94			%	08/28/14	JLI	59 - 113 %	
% Dibromofluoromethane	53			%	08/28/14	JLI	70 - 130 %	3
% Toluene-d8	93			%	08/28/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	08/27/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	08/27/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	250	100	ug/Kg	08/27/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	08/27/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	250	110	ug/Kg	08/27/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	250	110	ug/Kg	08/27/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	08/27/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	250	110	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dichlorophenol	ND	250	130	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dimethylphenol	ND	250	88	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1800	250	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	250	140	ug/Kg	08/27/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	250	110	ug/Kg	08/27/14	DD	SW 8270	
2-Chloronaphthalene	ND	250	100	ug/Kg	08/27/14	DD	SW 8270	
2-Chlorophenol	ND	250	100	ug/Kg	08/27/14	DD	SW 8270	
2-Methylnaphthalene	ND	250	110	ug/Kg	08/27/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	08/27/14	DD	SW 8270	
2-Nitroaniline	ND	1800	360	ug/Kg	08/27/14	DD	SW 8270	
2-Nitrophenol	ND	250	230	ug/Kg	08/27/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	08/27/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	710	170	ug/Kg	08/27/14	DD	SW 8270	
3-Nitroaniline	ND	1800	770	ug/Kg	08/27/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1800	380	ug/Kg	08/27/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	08/27/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	08/27/14	DD	SW 8270	
4-Chloroaniline	ND	710	170	ug/Kg	08/27/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	08/27/14	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	08/27/14	DD	SW 8270	

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B6 0-2 FT DUPLICATE

Phoenix I.D.: BG99711

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		1800	160	ug/Kg	08/27/14	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Acenaphthylene	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Aniline	ND		1800	720	ug/Kg	08/27/14	DD	SW 8270	
Anthracene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Benz(a)anthracene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Benzidine	ND		710	210	ug/Kg	08/27/14	DD	SW 8270	
Benzo(a)pyrene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Benzo(b)fluoranthene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Benzo(ghi)perylene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Benzo(k)fluoranthene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Benzoic acid	ND		1800	710	ug/Kg	08/27/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		250	92	ug/Kg	08/27/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	98	ug/Kg	08/27/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		250	96	ug/Kg	08/27/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	99	ug/Kg	08/27/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	190	J	250	100	ug/Kg	08/27/14	DD	SW 8270	
Carbazole	ND		1800	270	ug/Kg	08/27/14	DD	SW 8270	
Chrysene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Dibenzofuran	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Di-n-butylphthalate	ND		250	95	ug/Kg	08/27/14	DD	SW 8270	
Di-n-octylphthalate	ND		250	92	ug/Kg	08/27/14	DD	SW 8270	
Fluoranthene	160	J	250	120	ug/Kg	08/27/14	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Hexachlorobenzene	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	08/27/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Hexachloroethane	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Isophorone	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
Naphthalene	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
Nitrobenzene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		250	140	ug/Kg	08/27/14	DD	SW 8270	
Pentachloronitrobenzene	ND		250	130	ug/Kg	08/27/14	DD	SW 8270	
Pentachlorophenol	ND		250	130	ug/Kg	08/27/14	DD	SW 8270	
Phenanthrene	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
Phenol	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Pyrene	130	J	250	120	ug/Kg	08/27/14	DD	SW 8270	
Pyridine	ND		250	88	ug/Kg	08/27/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	12				%	08/27/14	DD	19 - 122 %	3
% 2-Fluorobiphenyl	69				%	08/27/14	DD	30 - 115 %	
% 2-Fluorophenol	45				%	08/27/14	DD	25 - 121 %	

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B6 0-2 FT DUPLICATE

Phoenix I.D.: BG99711

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	64			%	08/27/14	DD	23 - 120 %
% Phenol-d5	63			%	08/27/14	DD	24 - 113 %
% Terphenyl-d14	76			%	08/27/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.
B* = Present in blank, a bias is possible.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY unrestricted soil criteria for chromium is based on hexavalent chromium and trivalent chromium.

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

Semi-Volatile Comment:
Poor surrogate recovery was observed for one acid surrogate. The other surrogates associated with this sample were within QA/QC criteria. No significant bias suspected.

Pesticide Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported.

Volatile Comment:
Poor surrogate recovery was observed for volatiles due to matrix interference. Sample was analyzed twice with similar results.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
September 03, 2014
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 03, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		08/26/14	10:50
Location Code:	EBC	Received by:	SW	08/26/14	16:31
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG99710
Phoenix ID: BG99712

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B6 12-14 FT

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.35		0.35	0.35	mg/Kg	08/27/14	LK	SW6010
Aluminum	6360		35	7.1	mg/Kg	08/27/14	LK	SW6010
Arsenic	< 0.7		0.7	0.71	mg/Kg	08/27/14	LK	SW6010
Barium	36.5		0.7	0.35	mg/Kg	08/27/14	LK	SW6010
Beryllium	0.47		0.28	0.14	mg/Kg	08/27/14	LK	SW6010
Calcium	999		3.5	3.3	mg/Kg	08/27/14	LK	SW6010
Cadmium	0.20	B*	0.35	0.14	mg/Kg	08/27/14	LK	SW6010
Cobalt	7.82		0.35	0.35	mg/Kg	08/27/14	LK	SW6010
Chromium	22.1		0.35	0.35	mg/Kg	08/27/14	LK	SW6010
Copper	16.1		0.35	0.35	mg/kg	08/27/14	LK	SW6010
Iron	26300		35	35	mg/Kg	08/27/14	LK	SW6010
Mercury	< 0.08		0.08	0.05	mg/Kg	08/27/14	MA	SW-7471
Potassium	940	N	7	2.8	mg/Kg	08/27/14	LK	SW6010
Magnesium	1980		3.5	3.5	mg/Kg	08/27/14	LK	SW6010
Manganese	584	N	3.5	3.5	mg/Kg	08/27/14	LK	SW6010
Sodium	127	N	7	3.0	mg/Kg	08/27/14	LK	SW6010
Nickel	12.2		0.35	0.35	mg/Kg	08/27/14	LK	SW6010
Lead	5.3		0.7	0.35	mg/Kg	08/27/14	LK	SW6010
Antimony	< 1.8		1.8	1.8	mg/Kg	08/27/14	LK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	08/27/14	LK	SW6010
Thallium	< 1.4		1.4	1.4	mg/Kg	08/27/14	LK	SW6010
Vanadium	29.9		0.4	0.35	mg/Kg	08/27/14	LK	SW6010
Zinc	29.4	N	0.7	0.35	mg/Kg	08/27/14	LK	SW6010
Percent Solid	93				%	08/26/14	I	E160.3
Soil Extraction for PCB	Completed					08/26/14	BB	SW3545
Soil Extraction for Pesticide	Completed					08/26/14	BB	SW3545
Soil Extraction for SVOA	Completed					08/26/14	BJ/VH	SW3545
Mercury Digestion	Completed					08/27/14	I/I	SW7471

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B6 12-14 FT

Phoenix I.D.: BG99712

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				08/26/14	CB/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1221	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1232	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1242	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1248	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1254	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1260	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1262	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1268	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	90			%	08/27/14	AW	30 - 150 %
% TCMX	66			%	08/27/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.5	2.5	ug/Kg	08/27/14	CE	SW8081
4,4' -DDE	ND	2.5	2.5	ug/Kg	08/27/14	CE	SW8081
4,4' -DDT	ND	2.5	2.5	ug/Kg	08/27/14	CE	SW8081
a-BHC	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Aldrin	ND	1.7	1.7	ug/Kg	08/27/14	CE	SW8081
b-BHC	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Chlordane	ND	35	35	ug/Kg	08/27/14	CE	SW8081
d-BHC	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Dieldrin	ND	1.7	1.7	ug/Kg	08/27/14	CE	SW8081
Endosulfan I	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Endosulfan II	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Endosulfan sulfate	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Endrin	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Endrin aldehyde	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Endrin ketone	ND	1.7	1.7	ug/Kg	08/27/14	CE	SW8081
g-BHC	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Heptachlor	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Heptachlor epoxide	ND	1.7	1.7	ug/Kg	08/27/14	CE	SW8081
Methoxychlor	ND	7.0	7.0	ug/Kg	08/27/14	CE	SW8081
Toxaphene	ND	170	170	ug/Kg	08/27/14	CE	SW8081
QA/QC Surrogates							
% DCBP	91			%	08/27/14	CE	30 - 150 %
% TCMX	96			%	08/27/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.4	0.88	ug/Kg	08/27/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.4	1.1	ug/Kg	08/27/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	0.76	ug/Kg	08/27/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.4	0.53	ug/Kg	08/27/14	JLI	SW8260
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	08/27/14	JLI	SW8260
1,1-Dichloroethene	ND	5.4	1.2	ug/Kg	08/27/14	JLI	SW8260

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B6 12-14 FT

Phoenix I.D.: BG99712

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.4	1.0	ug/Kg	08/27/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
1,2,3-Trichloropropane	ND		5.4	0.76	ug/Kg	08/27/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND		5.4	0.77	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.4	1.4	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dibromoethane	ND		5.4	1.4	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		5.4	0.59	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dichloroethane	ND		5.4	0.47	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dichloropropane	ND		5.4	0.76	ug/Kg	08/27/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND		5.4	0.71	ug/Kg	08/27/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		5.4	0.80	ug/Kg	08/27/14	JLI	SW8260	
1,3-Dichloropropane	ND		5.4	0.57	ug/Kg	08/27/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		5.4	0.85	ug/Kg	08/27/14	JLI	SW8260	
2,2-Dichloropropane	ND		5.4	0.90	ug/Kg	08/27/14	JLI	SW8260	
2-Chlorotoluene	ND		5.4	0.86	ug/Kg	08/27/14	JLI	SW8260	
2-Hexanone	ND		27	2.4	ug/Kg	08/27/14	JLI	SW8260	
2-Isopropyltoluene	ND		5.4	0.74	ug/Kg	08/27/14	JLI	SW8260	1
4-Chlorotoluene	ND		5.4	0.62	ug/Kg	08/27/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	08/27/14	JLI	SW8260	
Acetone	39	JS	50	5.3	ug/Kg	08/27/14	JLI	SW8260	
Acrylonitrile	ND		11	3.0	ug/Kg	08/27/14	JLI	SW8260	
Benzene	ND		5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
Bromobenzene	ND		5.4	0.70	ug/Kg	08/27/14	JLI	SW8260	
Bromochloromethane	ND		5.4	0.78	ug/Kg	08/27/14	JLI	SW8260	
Bromodichloromethane	ND		5.4	0.67	ug/Kg	08/27/14	JLI	SW8260	
Bromoform	ND		5.4	0.75	ug/Kg	08/27/14	JLI	SW8260	
Bromomethane	ND		5.4	4.1	ug/Kg	08/27/14	JLI	SW8260	
Carbon Disulfide	ND		5.4	0.87	ug/Kg	08/27/14	JLI	SW8260	
Carbon tetrachloride	ND		5.4	0.62	ug/Kg	08/27/14	JLI	SW8260	
Chlorobenzene	ND		5.4	0.80	ug/Kg	08/27/14	JLI	SW8260	
Chloroethane	ND		5.4	1.3	ug/Kg	08/27/14	JLI	SW8260	
Chloroform	ND		5.4	0.98	ug/Kg	08/27/14	JLI	SW8260	
Chloromethane	ND		5.4	2.8	ug/Kg	08/27/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.4	1.2	ug/Kg	08/27/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.4	0.58	ug/Kg	08/27/14	JLI	SW8260	
Dibromochloromethane	ND		5.4	0.60	ug/Kg	08/27/14	JLI	SW8260	
Dibromomethane	ND		5.4	0.68	ug/Kg	08/27/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.4	1.4	ug/Kg	08/27/14	JLI	SW8260	
Ethylbenzene	ND		5.4	0.98	ug/Kg	08/27/14	JLI	SW8260	
Hexachlorobutadiene	ND		5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
Isopropylbenzene	ND		5.4	1.0	ug/Kg	08/27/14	JLI	SW8260	
m&p-Xylene	ND		5.4	2.1	ug/Kg	08/27/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		32	4.7	ug/Kg	08/27/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	08/27/14	JLI	SW8260	
Methylene chloride	2.8	JS	5.4	0.88	ug/Kg	08/27/14	JLI	SW8260	B*
Naphthalene	ND		5.4	1.4	ug/Kg	08/27/14	JLI	SW8260	
n-Butylbenzene	ND		5.4	0.98	ug/Kg	08/27/14	JLI	SW8260	
n-Propylbenzene	ND		5.4	0.97	ug/Kg	08/27/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.4	2.1	ug/Kg	08/27/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.4	0.77	ug/Kg	08/27/14	JLI	SW8260	
sec-Butylbenzene	ND	5.4	1.0	ug/Kg	08/27/14	JLI	SW8260	
Styrene	ND	5.4	1.5	ug/Kg	08/27/14	JLI	SW8260	
tert-Butylbenzene	ND	5.4	0.86	ug/Kg	08/27/14	JLI	SW8260	
Tetrachloroethene	ND	5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11	4.8	ug/Kg	08/27/14	JLI	SW8260	1
Toluene	ND	5.4	0.85	ug/Kg	08/27/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	08/27/14	JLI	SW8260	
Trichloroethene	ND	5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.4	1.2	ug/Kg	08/27/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.4	0.84	ug/Kg	08/27/14	JLI	SW8260	
Vinyl chloride	ND	5.4	1.7	ug/Kg	08/27/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	95			%	08/27/14	JLI	70 - 121 %	
% Bromofluorobenzene	96			%	08/27/14	JLI	59 - 113 %	
% Dibromofluoromethane	100			%	08/27/14	JLI	70 - 130 %	
% Toluene-d8	93			%	08/27/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	08/27/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	08/27/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	250	100	ug/Kg	08/27/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	08/27/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	250	110	ug/Kg	08/27/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	250	110	ug/Kg	08/27/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	08/27/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	250	110	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dichlorophenol	ND	250	130	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dimethylphenol	ND	250	88	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1800	250	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	250	140	ug/Kg	08/27/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	250	110	ug/Kg	08/27/14	DD	SW 8270	
2-Chloronaphthalene	ND	250	100	ug/Kg	08/27/14	DD	SW 8270	
2-Chlorophenol	ND	250	100	ug/Kg	08/27/14	DD	SW 8270	
2-Methylnaphthalene	ND	250	110	ug/Kg	08/27/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	08/27/14	DD	SW 8270	
2-Nitroaniline	ND	1800	360	ug/Kg	08/27/14	DD	SW 8270	
2-Nitrophenol	ND	250	230	ug/Kg	08/27/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	08/27/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	710	170	ug/Kg	08/27/14	DD	SW 8270	
3-Nitroaniline	ND	1800	770	ug/Kg	08/27/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1800	380	ug/Kg	08/27/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	08/27/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	08/27/14	DD	SW 8270	
4-Chloroaniline	ND	710	170	ug/Kg	08/27/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	08/27/14	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	08/27/14	DD	SW 8270	

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B6 12-14 FT

Phoenix I.D.: BG99712

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		1800	160	ug/Kg	08/27/14	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Acenaphthylene	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Aniline	ND		1800	720	ug/Kg	08/27/14	DD	SW 8270	
Anthracene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Benz(a)anthracene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Benzidine	ND		710	210	ug/Kg	08/27/14	DD	SW 8270	
Benzo(a)pyrene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Benzo(b)fluoranthene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Benzo(ghi)perylene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Benzo(k)fluoranthene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Benzoic acid	ND		1800	710	ug/Kg	08/27/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		250	92	ug/Kg	08/27/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	98	ug/Kg	08/27/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		250	96	ug/Kg	08/27/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	99	ug/Kg	08/27/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	150	J	250	100	ug/Kg	08/27/14	DD	SW 8270	
Carbazole	ND		1800	270	ug/Kg	08/27/14	DD	SW 8270	
Chrysene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Dibenzofuran	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Di-n-butylphthalate	ND		250	95	ug/Kg	08/27/14	DD	SW 8270	
Di-n-octylphthalate	ND		250	92	ug/Kg	08/27/14	DD	SW 8270	
Fluoranthene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Hexachlorobenzene	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	08/27/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Hexachloroethane	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Isophorone	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
Naphthalene	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
Nitrobenzene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		250	140	ug/Kg	08/27/14	DD	SW 8270	
Pentachloronitrobenzene	ND		250	130	ug/Kg	08/27/14	DD	SW 8270	
Pentachlorophenol	ND		250	130	ug/Kg	08/27/14	DD	SW 8270	
Phenanthrene	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
Phenol	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Pyrene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Pyridine	ND		250	88	ug/Kg	08/27/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	64				%	08/27/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	69				%	08/27/14	DD	30 - 115 %	
% 2-Fluorophenol	57				%	08/27/14	DD	25 - 121 %	

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B6 12-14 FT

Phoenix I.D.: BG99712

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	62			%	08/27/14	DD	23 - 120 %
% Phenol-d5	61			%	08/27/14	DD	24 - 113 %
% Terphenyl-d14	68			%	08/27/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B* = Present in blank, a bias is possible.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY unrestricted soil criteria for chromium is based on hexavalent chromium and trivalent chromium.

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
September 03, 2014
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

September 03, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		08/26/14	11:15
Location Code:	EBC	Received by:	SW	08/26/14	16:31
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG99710
Phoenix ID: BG99713

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B7 0-2 FT

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.38		0.38	0.38	mg/Kg	08/27/14	LK	SW6010
Aluminum	7180		38	7.6	mg/Kg	08/27/14	LK	SW6010
Arsenic	7.2		0.8	0.76	mg/Kg	08/27/14	LK	SW6010
Barium	130		0.8	0.38	mg/Kg	08/27/14	LK	SW6010
Beryllium	0.38		0.31	0.15	mg/Kg	08/27/14	LK	SW6010
Calcium	26500		38	35	mg/Kg	08/27/14	LK	SW6010
Cadmium	0.27	B*	0.38	0.15	mg/Kg	08/27/14	LK	SW6010
Cobalt	4.74		0.38	0.38	mg/Kg	08/27/14	LK	SW6010
Chromium	14.3		0.38	0.38	mg/Kg	08/27/14	LK	SW6010
Copper	23.6		0.38	0.38	mg/kg	08/27/14	LK	SW6010
Iron	11600		38	38	mg/Kg	08/27/14	LK	SW6010
Mercury	0.49		0.07	0.04	mg/Kg	08/27/14	MA	SW-7471
Potassium	721	N	8	3.0	mg/Kg	08/27/14	LK	SW6010
Magnesium	3010		3.8	3.8	mg/Kg	08/27/14	LK	SW6010
Manganese	279	N	3.8	3.8	mg/Kg	08/27/14	LK	SW6010
Sodium	185	N	8	3.3	mg/Kg	08/27/14	LK	SW6010
Nickel	12.3		0.38	0.38	mg/Kg	08/27/14	LK	SW6010
Lead	356		7.6	3.8	mg/Kg	08/27/14	LK	SW6010
Antimony	< 1.9		1.9	1.9	mg/Kg	08/27/14	LK	SW6010
Selenium	< 1.5		1.5	1.3	mg/Kg	08/27/14	LK	SW6010
Thallium	< 1.5		1.5	1.5	mg/Kg	08/27/14	LK	SW6010
Vanadium	18.1		0.4	0.38	mg/Kg	08/27/14	LK	SW6010
Zinc	202	N*	7.6	3.8	mg/Kg	08/27/14	LK	SW6010
Percent Solid	91				%	08/26/14	I	E160.3
Soil Extraction for PCB	Completed					08/26/14	BB	SW3545
Soil Extraction for Pesticide	Completed					08/26/14	BB	SW3545
Soil Extraction for SVOA	Completed					08/26/14	BJ/VH	SW3545
Mercury Digestion	Completed					08/27/14	I/I	SW7471

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B7 0-2 FT

Phoenix I.D.: BG99713

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				08/26/14	CB/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	36	36	ug/Kg	08/27/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	08/27/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	08/27/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	08/27/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	08/27/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	08/27/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	08/27/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	08/27/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	08/27/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	89			%	08/27/14	AW	30 - 150 %
% TCMX	67			%	08/27/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.6	2.6	ug/Kg	08/27/14	CE	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	08/27/14	CE	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	08/27/14	CE	SW8081
a-BHC	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	08/27/14	CE	SW8081
b-BHC	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Chlordane	ND	36	36	ug/Kg	08/27/14	CE	SW8081
d-BHC	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	08/27/14	CE	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Endrin	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	08/27/14	CE	SW8081
g-BHC	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Heptachlor	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	08/27/14	CE	SW8081
Methoxychlor	ND	7.2	7.2	ug/Kg	08/27/14	CE	SW8081
Toxaphene	ND	180	180	ug/Kg	08/27/14	CE	SW8081
QA/QC Surrogates							
% DCBP	95			%	08/27/14	CE	30 - 150 %
% TCMX	95			%	08/27/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.5	0.90	ug/Kg	08/27/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.5	1.1	ug/Kg	08/27/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.5	0.78	ug/Kg	08/27/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.5	0.54	ug/Kg	08/27/14	JLI	SW8260
1,1-Dichloroethane	ND	5.5	1.1	ug/Kg	08/27/14	JLI	SW8260
1,1-Dichloroethene	ND	5.5	1.2	ug/Kg	08/27/14	JLI	SW8260

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B7 0-2 FT

Phoenix I.D.: BG99713

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.5	1.1	ug/Kg	08/27/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		5.5	1.1	ug/Kg	08/27/14	JLI	SW8260	
1,2,3-Trichloropropane	ND		5.5	0.78	ug/Kg	08/27/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		5.5	1.1	ug/Kg	08/27/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND		5.5	0.79	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.5	1.5	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		5.5	0.60	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dichloroethane	ND		5.5	0.48	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dichloropropane	ND		5.5	0.78	ug/Kg	08/27/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND		5.5	0.73	ug/Kg	08/27/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		5.5	0.81	ug/Kg	08/27/14	JLI	SW8260	
1,3-Dichloropropane	ND		5.5	0.58	ug/Kg	08/27/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		5.5	0.87	ug/Kg	08/27/14	JLI	SW8260	
2,2-Dichloropropane	ND		5.5	0.92	ug/Kg	08/27/14	JLI	SW8260	
2-Chlorotoluene	ND		5.5	0.88	ug/Kg	08/27/14	JLI	SW8260	
2-Hexanone	ND		27	2.5	ug/Kg	08/27/14	JLI	SW8260	
2-Isopropyltoluene	ND		5.5	0.76	ug/Kg	08/27/14	JLI	SW8260	1
4-Chlorotoluene	ND		5.5	0.64	ug/Kg	08/27/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	08/27/14	JLI	SW8260	
Acetone	80	S	55	5.5	ug/Kg	08/27/14	JLI	SW8260	
Acrylonitrile	ND		11	3.1	ug/Kg	08/27/14	JLI	SW8260	
Benzene	ND		5.5	1.1	ug/Kg	08/27/14	JLI	SW8260	
Bromobenzene	ND		5.5	0.71	ug/Kg	08/27/14	JLI	SW8260	
Bromochloromethane	ND		5.5	0.80	ug/Kg	08/27/14	JLI	SW8260	
Bromodichloromethane	ND		5.5	0.68	ug/Kg	08/27/14	JLI	SW8260	
Bromoform	ND		5.5	0.77	ug/Kg	08/27/14	JLI	SW8260	
Bromomethane	ND		5.5	4.2	ug/Kg	08/27/14	JLI	SW8260	
Carbon Disulfide	ND		5.5	0.89	ug/Kg	08/27/14	JLI	SW8260	
Carbon tetrachloride	ND		5.5	0.64	ug/Kg	08/27/14	JLI	SW8260	
Chlorobenzene	ND		5.5	0.81	ug/Kg	08/27/14	JLI	SW8260	
Chloroethane	ND		5.5	1.3	ug/Kg	08/27/14	JLI	SW8260	
Chloroform	ND		5.5	1.0	ug/Kg	08/27/14	JLI	SW8260	
Chloromethane	ND		5.5	2.9	ug/Kg	08/27/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.5	1.2	ug/Kg	08/27/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.5	0.59	ug/Kg	08/27/14	JLI	SW8260	
Dibromochloromethane	ND		5.5	0.62	ug/Kg	08/27/14	JLI	SW8260	
Dibromomethane	ND		5.5	0.69	ug/Kg	08/27/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.5	1.5	ug/Kg	08/27/14	JLI	SW8260	
Ethylbenzene	ND		5.5	1.0	ug/Kg	08/27/14	JLI	SW8260	
Hexachlorobutadiene	ND		5.5	1.2	ug/Kg	08/27/14	JLI	SW8260	
Isopropylbenzene	ND		5.5	1.1	ug/Kg	08/27/14	JLI	SW8260	
m&p-Xylene	ND		5.5	2.2	ug/Kg	08/27/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		33	4.8	ug/Kg	08/27/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	08/27/14	JLI	SW8260	
Methylene chloride	2.7	JS	5.5	0.90	ug/Kg	08/27/14	JLI	SW8260	B*
Naphthalene	ND		5.5	1.5	ug/Kg	08/27/14	JLI	SW8260	
n-Butylbenzene	ND		5.5	1.0	ug/Kg	08/27/14	JLI	SW8260	
n-Propylbenzene	ND		5.5	0.99	ug/Kg	08/27/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.5	2.1	ug/Kg	08/27/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.5	0.79	ug/Kg	08/27/14	JLI	SW8260	
sec-Butylbenzene	ND	5.5	1.0	ug/Kg	08/27/14	JLI	SW8260	
Styrene	ND	5.5	1.6	ug/Kg	08/27/14	JLI	SW8260	
tert-Butylbenzene	ND	5.5	0.88	ug/Kg	08/27/14	JLI	SW8260	
Tetrachloroethene	ND	5.5	1.2	ug/Kg	08/27/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11	4.9	ug/Kg	08/27/14	JLI	SW8260	1
Toluene	ND	5.5	0.87	ug/Kg	08/27/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.5	1.1	ug/Kg	08/27/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.5	1.1	ug/Kg	08/27/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	08/27/14	JLI	SW8260	
Trichloroethene	ND	5.5	1.2	ug/Kg	08/27/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.5	1.2	ug/Kg	08/27/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.5	0.86	ug/Kg	08/27/14	JLI	SW8260	
Vinyl chloride	ND	5.5	1.8	ug/Kg	08/27/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	95			%	08/27/14	JLI	70 - 121 %	
% Bromofluorobenzene	92			%	08/27/14	JLI	59 - 113 %	
% Dibromofluoromethane	91			%	08/27/14	JLI	70 - 130 %	
% Toluene-d8	93			%	08/27/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	08/27/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	08/27/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	260	100	ug/Kg	08/27/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	08/27/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	260	110	ug/Kg	08/27/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	260	110	ug/Kg	08/27/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	08/27/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dichlorophenol	ND	260	130	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dimethylphenol	ND	260	91	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1800	260	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	260	140	ug/Kg	08/27/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	260	120	ug/Kg	08/27/14	DD	SW 8270	
2-Chloronaphthalene	ND	260	100	ug/Kg	08/27/14	DD	SW 8270	
2-Chlorophenol	ND	260	100	ug/Kg	08/27/14	DD	SW 8270	
2-Methylnaphthalene	ND	260	110	ug/Kg	08/27/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	08/27/14	DD	SW 8270	
2-Nitroaniline	ND	1800	370	ug/Kg	08/27/14	DD	SW 8270	
2-Nitrophenol	ND	260	230	ug/Kg	08/27/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	260	140	ug/Kg	08/27/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	730	170	ug/Kg	08/27/14	DD	SW 8270	
3-Nitroaniline	ND	1800	800	ug/Kg	08/27/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1800	390	ug/Kg	08/27/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	08/27/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	08/27/14	DD	SW 8270	
4-Chloroaniline	ND	730	170	ug/Kg	08/27/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	08/27/14	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	08/27/14	DD	SW 8270	

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B7 0-2 FT

Phoenix I.D.: BG99713

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		1800	170	ug/Kg	08/27/14	DD	SW 8270	
Acenaphthene	ND		260	110	ug/Kg	08/27/14	DD	SW 8270	
Acenaphthylene	ND		260	100	ug/Kg	08/27/14	DD	SW 8270	
Acetophenone	ND		260	110	ug/Kg	08/27/14	DD	SW 8270	
Aniline	ND		1800	740	ug/Kg	08/27/14	DD	SW 8270	
Anthracene	120	J	260	120	ug/Kg	08/27/14	DD	SW 8270	
Benz(a)anthracene	290		260	120	ug/Kg	08/27/14	DD	SW 8270	
Benzidine	ND		730	210	ug/Kg	08/27/14	DD	SW 8270	
Benzo(a)pyrene	260		260	120	ug/Kg	08/27/14	DD	SW 8270	
Benzo(b)fluoranthene	370		260	130	ug/Kg	08/27/14	DD	SW 8270	
Benzo(ghi)perylene	200	J	260	120	ug/Kg	08/27/14	DD	SW 8270	
Benzo(k)fluoranthene	ND		260	120	ug/Kg	08/27/14	DD	SW 8270	
Benzoic acid	ND		1800	730	ug/Kg	08/27/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		260	94	ug/Kg	08/27/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	08/27/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		260	99	ug/Kg	08/27/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	08/27/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	300		260	110	ug/Kg	08/27/14	DD	SW 8270	
Carbazole	ND		1800	280	ug/Kg	08/27/14	DD	SW 8270	
Chrysene	300		260	120	ug/Kg	08/27/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		260	120	ug/Kg	08/27/14	DD	SW 8270	
Dibenzofuran	ND		260	110	ug/Kg	08/27/14	DD	SW 8270	
Diethyl phthalate	ND		260	120	ug/Kg	08/27/14	DD	SW 8270	
Dimethylphthalate	ND		260	110	ug/Kg	08/27/14	DD	SW 8270	
Di-n-butylphthalate	ND		260	97	ug/Kg	08/27/14	DD	SW 8270	
Di-n-octylphthalate	ND		260	94	ug/Kg	08/27/14	DD	SW 8270	
Fluoranthene	800		260	120	ug/Kg	08/27/14	DD	SW 8270	
Fluorene	ND		260	120	ug/Kg	08/27/14	DD	SW 8270	
Hexachlorobenzene	ND		260	110	ug/Kg	08/27/14	DD	SW 8270	
Hexachlorobutadiene	ND		260	130	ug/Kg	08/27/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		260	110	ug/Kg	08/27/14	DD	SW 8270	
Hexachloroethane	ND		260	110	ug/Kg	08/27/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	170	J	260	120	ug/Kg	08/27/14	DD	SW 8270	
Isophorone	ND		260	100	ug/Kg	08/27/14	DD	SW 8270	
Naphthalene	ND		260	110	ug/Kg	08/27/14	DD	SW 8270	
Nitrobenzene	ND		260	130	ug/Kg	08/27/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		260	100	ug/Kg	08/27/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		260	120	ug/Kg	08/27/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		260	140	ug/Kg	08/27/14	DD	SW 8270	
Pentachloronitrobenzene	ND		260	140	ug/Kg	08/27/14	DD	SW 8270	
Pentachlorophenol	ND		260	140	ug/Kg	08/27/14	DD	SW 8270	
Phenanthrene	680		260	100	ug/Kg	08/27/14	DD	SW 8270	
Phenol	ND		260	120	ug/Kg	08/27/14	DD	SW 8270	
Pyrene	660		260	130	ug/Kg	08/27/14	DD	SW 8270	
Pyridine	ND		260	90	ug/Kg	08/27/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	52				%	08/27/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	69				%	08/27/14	DD	30 - 115 %	
% 2-Fluorophenol	57				%	08/27/14	DD	25 - 121 %	

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B7 0-2 FT

Phoenix I.D.: BG99713

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	63			%	08/27/14	DD	23 - 120 %
% Phenol-d5	63			%	08/27/14	DD	24 - 113 %
% Terphenyl-d14	73			%	08/27/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B* = Present in blank, a bias is possible.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY unrestricted soil criteria for chromium is based on hexavalent chromium and trivalent chromium.

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
September 03, 2014
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

September 03, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		08/26/14	11:25
Location Code:	EBC	Received by:	SW	08/26/14	16:31
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG99710
Phoenix ID: BG99714

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B7 12-14 FT

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.35		0.35	0.35	mg/Kg	08/27/14	LK	SW6010
Aluminum	12500		35	7.1	mg/Kg	08/27/14	LK	SW6010
Arsenic	< 0.7		0.7	0.71	mg/Kg	08/27/14	LK	SW6010
Barium	49.3		0.7	0.35	mg/Kg	08/27/14	LK	SW6010
Beryllium	0.31		0.28	0.14	mg/Kg	08/27/14	LK	SW6010
Calcium	5960		3.5	3.3	mg/Kg	08/27/14	LK	SW6010
Cadmium	< 0.35	*	0.35	0.14	mg/Kg	08/27/14	LK	SW6010
Cobalt	10.1		0.35	0.35	mg/Kg	08/27/14	LK	SW6010
Chromium	23.3		0.35	0.35	mg/Kg	08/27/14	LK	SW6010
Copper	60.0		0.35	0.35	mg/kg	08/27/14	LK	SW6010
Iron	20600		35	35	mg/Kg	08/27/14	LK	SW6010
Mercury	< 0.08		0.08	0.05	mg/Kg	08/27/14	MA	SW-7471
Potassium	888	N	7	2.8	mg/Kg	08/27/14	LK	SW6010
Magnesium	3430		3.5	3.5	mg/Kg	08/27/14	LK	SW6010
Manganese	382	N	3.5	3.5	mg/Kg	08/27/14	LK	SW6010
Sodium	1220	N	7	3.0	mg/Kg	08/27/14	LK	SW6010
Nickel	15.9		0.35	0.35	mg/Kg	08/27/14	LK	SW6010
Lead	2.9		0.7	0.35	mg/Kg	08/27/14	LK	SW6010
Antimony	< 1.8		1.8	1.8	mg/Kg	08/27/14	LK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	08/27/14	LK	SW6010
Thallium	< 1.4		1.4	1.4	mg/Kg	08/27/14	LK	SW6010
Vanadium	53.1		0.4	0.35	mg/Kg	08/27/14	LK	SW6010
Zinc	24.9	N	0.7	0.35	mg/Kg	08/27/14	LK	SW6010
Percent Solid	94				%	08/26/14	I	E160.3
Soil Extraction for PCB	Completed					08/26/14	BB	SW3545
Soil Extraction for Pesticide	Completed					08/26/14	BB	SW3545
Soil Extraction for SVOA	Completed					08/26/14	BJ/VH	SW3545
Mercury Digestion	Completed					08/27/14	I/I	SW7471

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B7 12-14 FT

Phoenix I.D.: BG99714

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				08/26/14	CB/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1221	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1232	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1242	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1248	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1254	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1260	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1262	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1268	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	95			%	08/27/14	AW	30 - 150 %
% TCMX	68			%	08/27/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.5	2.5	ug/Kg	08/27/14	CE	SW8081
4,4' -DDE	ND	2.5	2.5	ug/Kg	08/27/14	CE	SW8081
4,4' -DDT	ND	2.5	2.5	ug/Kg	08/27/14	CE	SW8081
a-BHC	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	08/27/14	CE	SW8081
b-BHC	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Chlordane	ND	35	35	ug/Kg	08/27/14	CE	SW8081
d-BHC	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	08/27/14	CE	SW8081
Endosulfan I	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Endosulfan II	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Endosulfan sulfate	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Endrin	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Endrin aldehyde	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	08/27/14	CE	SW8081
g-BHC	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Heptachlor	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	08/27/14	CE	SW8081
Methoxychlor	ND	7.1	7.1	ug/Kg	08/27/14	CE	SW8081
Toxaphene	ND	180	180	ug/Kg	08/27/14	CE	SW8081
QA/QC Surrogates							
% DCBP	88			%	08/27/14	CE	30 - 150 %
% TCMX	92			%	08/27/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.3	0.87	ug/Kg	08/27/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.3	1.1	ug/Kg	08/27/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.3	0.76	ug/Kg	08/27/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.3	0.52	ug/Kg	08/27/14	JLI	SW8260
1,1-Dichloroethane	ND	5.3	1.1	ug/Kg	08/27/14	JLI	SW8260
1,1-Dichloroethene	ND	5.3	1.2	ug/Kg	08/27/14	JLI	SW8260

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B7 12-14 FT

Phoenix I.D.: BG99714

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.3	1.0	ug/Kg	08/27/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		5.3	1.1	ug/Kg	08/27/14	JLI	SW8260	
1,2,3-Trichloropropane	ND		5.3	0.76	ug/Kg	08/27/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		5.3	1.1	ug/Kg	08/27/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND		5.3	0.77	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.3	1.4	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dibromoethane	ND		5.3	1.4	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		5.3	0.59	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dichloroethane	ND		5.3	0.47	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dichloropropane	ND		5.3	0.76	ug/Kg	08/27/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND		5.3	0.70	ug/Kg	08/27/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		5.3	0.79	ug/Kg	08/27/14	JLI	SW8260	
1,3-Dichloropropane	ND		5.3	0.56	ug/Kg	08/27/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		5.3	0.84	ug/Kg	08/27/14	JLI	SW8260	
2,2-Dichloropropane	ND		5.3	0.89	ug/Kg	08/27/14	JLI	SW8260	
2-Chlorotoluene	ND		5.3	0.85	ug/Kg	08/27/14	JLI	SW8260	
2-Hexanone	ND		27	2.4	ug/Kg	08/27/14	JLI	SW8260	
2-Isopropyltoluene	ND		5.3	0.73	ug/Kg	08/27/14	JLI	SW8260	1
4-Chlorotoluene	ND		5.3	0.62	ug/Kg	08/27/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	08/27/14	JLI	SW8260	
Acetone	57	S	53	5.3	ug/Kg	08/27/14	JLI	SW8260	
Acrylonitrile	ND		11	3.0	ug/Kg	08/27/14	JLI	SW8260	
Benzene	ND		5.3	1.1	ug/Kg	08/27/14	JLI	SW8260	
Bromobenzene	ND		5.3	0.69	ug/Kg	08/27/14	JLI	SW8260	
Bromochloromethane	ND		5.3	0.78	ug/Kg	08/27/14	JLI	SW8260	
Bromodichloromethane	ND		5.3	0.66	ug/Kg	08/27/14	JLI	SW8260	
Bromoform	ND		5.3	0.74	ug/Kg	08/27/14	JLI	SW8260	
Bromomethane	ND		5.3	4.1	ug/Kg	08/27/14	JLI	SW8260	
Carbon Disulfide	ND		5.3	0.86	ug/Kg	08/27/14	JLI	SW8260	
Carbon tetrachloride	ND		5.3	0.62	ug/Kg	08/27/14	JLI	SW8260	
Chlorobenzene	ND		5.3	0.79	ug/Kg	08/27/14	JLI	SW8260	
Chloroethane	ND		5.3	1.2	ug/Kg	08/27/14	JLI	SW8260	
Chloroform	ND		5.3	0.97	ug/Kg	08/27/14	JLI	SW8260	
Chloromethane	ND		5.3	2.8	ug/Kg	08/27/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.3	1.2	ug/Kg	08/27/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.3	0.57	ug/Kg	08/27/14	JLI	SW8260	
Dibromochloromethane	ND		5.3	0.60	ug/Kg	08/27/14	JLI	SW8260	
Dibromomethane	ND		5.3	0.67	ug/Kg	08/27/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.3	1.4	ug/Kg	08/27/14	JLI	SW8260	
Ethylbenzene	ND		5.3	0.97	ug/Kg	08/27/14	JLI	SW8260	
Hexachlorobutadiene	ND		5.3	1.1	ug/Kg	08/27/14	JLI	SW8260	
Isopropylbenzene	ND		5.3	1.0	ug/Kg	08/27/14	JLI	SW8260	
m&p-Xylene	ND		5.3	2.1	ug/Kg	08/27/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		32	4.6	ug/Kg	08/27/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	08/27/14	JLI	SW8260	
Methylene chloride	2.7	JS	5.3	0.87	ug/Kg	08/27/14	JLI	SW8260	B*
Naphthalene	ND		5.3	1.4	ug/Kg	08/27/14	JLI	SW8260	
n-Butylbenzene	ND		5.3	0.97	ug/Kg	08/27/14	JLI	SW8260	
n-Propylbenzene	ND		5.3	0.96	ug/Kg	08/27/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.3	2.0	ug/Kg	08/27/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.3	0.77	ug/Kg	08/27/14	JLI	SW8260	
sec-Butylbenzene	ND	5.3	1.0	ug/Kg	08/27/14	JLI	SW8260	
Styrene	ND	5.3	1.5	ug/Kg	08/27/14	JLI	SW8260	
tert-Butylbenzene	ND	5.3	0.85	ug/Kg	08/27/14	JLI	SW8260	
Tetrachloroethene	ND	5.3	1.1	ug/Kg	08/27/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11	4.8	ug/Kg	08/27/14	JLI	SW8260	1
Toluene	ND	5.3	0.84	ug/Kg	08/27/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.3	1.1	ug/Kg	08/27/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.3	1.1	ug/Kg	08/27/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	11	9.9	ug/Kg	08/27/14	JLI	SW8260	
Trichloroethene	ND	5.3	1.1	ug/Kg	08/27/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.3	1.2	ug/Kg	08/27/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.3	0.83	ug/Kg	08/27/14	JLI	SW8260	
Vinyl chloride	ND	5.3	1.7	ug/Kg	08/27/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	97			%	08/27/14	JLI	70 - 121 %	
% Bromofluorobenzene	95			%	08/27/14	JLI	59 - 113 %	
% Dibromofluoromethane	102			%	08/27/14	JLI	70 - 130 %	
% Toluene-d8	95			%	08/27/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	08/27/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	240	98	ug/Kg	08/27/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	240	100	ug/Kg	08/27/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	240	100	ug/Kg	08/27/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	08/27/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dichlorophenol	ND	240	120	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dimethylphenol	ND	240	87	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1700	240	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	240	140	ug/Kg	08/27/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
2-Chloronaphthalene	ND	240	99	ug/Kg	08/27/14	DD	SW 8270	
2-Chlorophenol	ND	240	99	ug/Kg	08/27/14	DD	SW 8270	
2-Methylnaphthalene	ND	240	100	ug/Kg	08/27/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	08/27/14	DD	SW 8270	
2-Nitroaniline	ND	1700	350	ug/Kg	08/27/14	DD	SW 8270	
2-Nitrophenol	ND	240	220	ug/Kg	08/27/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	08/27/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	700	160	ug/Kg	08/27/14	DD	SW 8270	
3-Nitroaniline	ND	1700	760	ug/Kg	08/27/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1700	380	ug/Kg	08/27/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	08/27/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	08/27/14	DD	SW 8270	
4-Chloroaniline	ND	700	160	ug/Kg	08/27/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	08/27/14	DD	SW 8270	
4-Nitroaniline	ND	1700	120	ug/Kg	08/27/14	DD	SW 8270	

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B7 12-14 FT

Phoenix I.D.: BG99714

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1700	160	ug/Kg	08/27/14	DD	SW 8270	
Acenaphthene	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
Acenaphthylene	ND	240	98	ug/Kg	08/27/14	DD	SW 8270	
Acetophenone	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
Aniline	ND	1700	710	ug/Kg	08/27/14	DD	SW 8270	
Anthracene	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
Benz(a)anthracene	ND	240	120	ug/Kg	08/27/14	DD	SW 8270	
Benzidine	ND	700	210	ug/Kg	08/27/14	DD	SW 8270	
Benzo(a)pyrene	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	240	120	ug/Kg	08/27/14	DD	SW 8270	
Benzo(ghi)perylene	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	240	120	ug/Kg	08/27/14	DD	SW 8270	
Benzoic acid	ND	1700	700	ug/Kg	08/27/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	240	90	ug/Kg	08/27/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	240	96	ug/Kg	08/27/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	240	94	ug/Kg	08/27/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	240	97	ug/Kg	08/27/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	240	100	ug/Kg	08/27/14	DD	SW 8270	
Carbazole	ND	1700	260	ug/Kg	08/27/14	DD	SW 8270	
Chrysene	ND	240	120	ug/Kg	08/27/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
Dibenzofuran	ND	240	100	ug/Kg	08/27/14	DD	SW 8270	
Diethyl phthalate	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
Dimethylphthalate	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
Di-n-butylphthalate	ND	240	93	ug/Kg	08/27/14	DD	SW 8270	
Di-n-octylphthalate	ND	240	90	ug/Kg	08/27/14	DD	SW 8270	
Fluoranthene	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
Fluorene	ND	240	120	ug/Kg	08/27/14	DD	SW 8270	
Hexachlorobenzene	ND	240	100	ug/Kg	08/27/14	DD	SW 8270	
Hexachlorobutadiene	ND	240	130	ug/Kg	08/27/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
Hexachloroethane	ND	240	100	ug/Kg	08/27/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	240	120	ug/Kg	08/27/14	DD	SW 8270	
Isophorone	ND	240	98	ug/Kg	08/27/14	DD	SW 8270	
Naphthalene	ND	240	100	ug/Kg	08/27/14	DD	SW 8270	
Nitrobenzene	ND	240	120	ug/Kg	08/27/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	240	98	ug/Kg	08/27/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	240	130	ug/Kg	08/27/14	DD	SW 8270	
Pentachloronitrobenzene	ND	240	130	ug/Kg	08/27/14	DD	SW 8270	
Pentachlorophenol	ND	240	130	ug/Kg	08/27/14	DD	SW 8270	
Phenanthrene	ND	240	100	ug/Kg	08/27/14	DD	SW 8270	
Phenol	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
Pyrene	ND	240	120	ug/Kg	08/27/14	DD	SW 8270	
Pyridine	ND	240	86	ug/Kg	08/27/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	63			%	08/27/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	66			%	08/27/14	DD	30 - 115 %	
% 2-Fluorophenol	56			%	08/27/14	DD	25 - 121 %	

Project ID: 1036 GREENE ST BROOKLYN

Client ID: B7 12-14 FT

Phoenix I.D.: BG99714

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	58			%	08/27/14	DD	23 - 120 %
% Phenol-d5	59			%	08/27/14	DD	24 - 113 %
% Terphenyl-d14	78			%	08/27/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B* = Present in blank, a bias is possible.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY unrestricted soil criteria for chromium is based on hexavalent chromium and trivalent chromium.

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

September 03, 2014

Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

September 03, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		08/26/14	12:20
Location Code:	EBC	Received by:	SW	08/26/14	16:31
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG99710
Phoenix ID: BG99715

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B8 0-2 FT

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.36		0.36	0.36	mg/Kg	08/27/14	LK	SW6010
Aluminum	8750		36	7.2	mg/Kg	08/27/14	LK	SW6010
Arsenic	3.6		0.7	0.72	mg/Kg	08/27/14	LK	SW6010
Barium	79.0		0.7	0.36	mg/Kg	08/27/14	LK	SW6010
Beryllium	0.42		0.29	0.14	mg/Kg	08/27/14	LK	SW6010
Calcium	46800		36	33	mg/Kg	08/27/14	LK	SW6010
Cadmium	0.33	B*	0.36	0.14	mg/Kg	08/27/14	LK	SW6010
Cobalt	5.84		0.36	0.36	mg/Kg	08/27/14	LK	SW6010
Chromium	15.5		0.36	0.36	mg/Kg	08/27/14	LK	SW6010
Copper	23.7		0.36	0.36	mg/kg	08/27/14	LK	SW6010
Iron	16900		36	36	mg/Kg	08/27/14	LK	SW6010
Mercury	0.22		0.06	0.04	mg/Kg	08/27/14	MA	SW-7471
Potassium	1150	N	7	2.8	mg/Kg	08/27/14	LK	SW6010
Magnesium	3210		3.6	3.6	mg/Kg	08/27/14	LK	SW6010
Manganese	250	N	3.6	3.6	mg/Kg	08/27/14	LK	SW6010
Sodium	450	N	7	3.1	mg/Kg	08/27/14	LK	SW6010
Nickel	16.3		0.36	0.36	mg/Kg	08/27/14	LK	SW6010
Lead	107		0.7	0.36	mg/Kg	08/27/14	LK	SW6010
Antimony	< 1.8		1.8	1.8	mg/Kg	08/27/14	LK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	08/27/14	LK	SW6010
Thallium	< 1.4		1.4	1.4	mg/Kg	08/27/14	LK	SW6010
Vanadium	25.5		0.4	0.36	mg/Kg	08/27/14	LK	SW6010
Zinc	93.0	N	0.7	0.36	mg/Kg	08/27/14	LK	SW6010
Percent Solid	92				%	08/26/14	I	E160.3
Soil Extraction for PCB	Completed					08/26/14	BB	SW3545
Soil Extraction for Pesticide	Completed					08/26/14	BB	SW3545
Soil Extraction for SVOA	Completed					08/26/14	BJ/VH	SW3545
Mercury Digestion	Completed					08/27/14	I/I	SW7471

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B8 0-2 FT

Phoenix I.D.: BG99715

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				08/26/14	CB/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	36	36	ug/Kg	08/27/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	08/27/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	08/27/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	08/27/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	08/27/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	08/27/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	08/27/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	08/27/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	08/27/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	69			%	08/27/14	AW	30 - 150 %
% TCMX	58			%	08/27/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.6	2.6	ug/Kg	08/27/14	CE	SW8081
4,4' -DDE	ND	7.0	7.0	ug/Kg	08/27/14	CE	SW8081
4,4' -DDT	ND	4.0	4.0	ug/Kg	08/27/14	CE	SW8081
a-BHC	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Aldrin	ND	4.0	4.0	ug/Kg	08/27/14	CE	SW8081
b-BHC	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Chlordane	ND	36	36	ug/Kg	08/27/14	CE	SW8081
d-BHC	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Dieldrin	ND	6.0	6.0	ug/Kg	08/27/14	CE	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Endosulfan sulfate	ND	50	50	ug/Kg	08/27/14	CE	SW8081
Endrin	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	08/27/14	CE	SW8081
g-BHC	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Heptachlor	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Heptachlor epoxide	ND	5.0	5.0	ug/Kg	08/27/14	CE	SW8081
Methoxychlor	ND	7.1	7.1	ug/Kg	08/27/14	CE	SW8081
Toxaphene	ND	180	180	ug/Kg	08/27/14	CE	SW8081
QA/QC Surrogates							
% DCBP	88			%	08/27/14	CE	30 - 150 %
% TCMX	97			%	08/27/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.4	0.89	ug/Kg	08/27/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.4	1.1	ug/Kg	08/27/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	0.77	ug/Kg	08/27/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.4	0.53	ug/Kg	08/27/14	JLI	SW8260
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	08/27/14	JLI	SW8260
1,1-Dichloroethene	ND	5.4	1.2	ug/Kg	08/27/14	JLI	SW8260

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B8 0-2 FT

Phoenix I.D.: BG99715

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
1,2,3-Trichloropropane	ND		5.4	0.77	ug/Kg	08/27/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND		5.4	0.78	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.4	1.5	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dibromoethane	ND		5.4	1.4	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		5.4	0.60	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dichloroethane	ND		5.4	0.48	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dichloropropane	ND		5.4	0.77	ug/Kg	08/27/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND		5.4	0.72	ug/Kg	08/27/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		5.4	0.80	ug/Kg	08/27/14	JLI	SW8260	
1,3-Dichloropropane	ND		5.4	0.58	ug/Kg	08/27/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		5.4	0.86	ug/Kg	08/27/14	JLI	SW8260	
2,2-Dichloropropane	ND		5.4	0.91	ug/Kg	08/27/14	JLI	SW8260	
2-Chlorotoluene	ND		5.4	0.87	ug/Kg	08/27/14	JLI	SW8260	
2-Hexanone	ND		27	2.4	ug/Kg	08/27/14	JLI	SW8260	
2-Isopropyltoluene	ND		5.4	0.75	ug/Kg	08/27/14	JLI	SW8260	1
4-Chlorotoluene	ND		5.4	0.63	ug/Kg	08/27/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	08/27/14	JLI	SW8260	
Acetone	56	S	54	5.4	ug/Kg	08/27/14	JLI	SW8260	
Acrylonitrile	ND		11	3.1	ug/Kg	08/27/14	JLI	SW8260	
Benzene	ND		5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
Bromobenzene	ND		5.4	0.71	ug/Kg	08/27/14	JLI	SW8260	
Bromochloromethane	ND		5.4	0.79	ug/Kg	08/27/14	JLI	SW8260	
Bromodichloromethane	ND		5.4	0.67	ug/Kg	08/27/14	JLI	SW8260	
Bromoform	ND		5.4	0.76	ug/Kg	08/27/14	JLI	SW8260	
Bromomethane	ND		5.4	4.2	ug/Kg	08/27/14	JLI	SW8260	
Carbon Disulfide	ND		5.4	0.88	ug/Kg	08/27/14	JLI	SW8260	
Carbon tetrachloride	ND		5.4	0.63	ug/Kg	08/27/14	JLI	SW8260	
Chlorobenzene	ND		5.4	0.80	ug/Kg	08/27/14	JLI	SW8260	
Chloroethane	ND		5.4	1.3	ug/Kg	08/27/14	JLI	SW8260	
Chloroform	ND		5.4	0.99	ug/Kg	08/27/14	JLI	SW8260	
Chloromethane	ND		5.4	2.8	ug/Kg	08/27/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.4	1.2	ug/Kg	08/27/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.4	0.59	ug/Kg	08/27/14	JLI	SW8260	
Dibromochloromethane	ND		5.4	0.61	ug/Kg	08/27/14	JLI	SW8260	
Dibromomethane	ND		5.4	0.68	ug/Kg	08/27/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.4	1.4	ug/Kg	08/27/14	JLI	SW8260	
Ethylbenzene	1.1	J	5.4	0.99	ug/Kg	08/27/14	JLI	SW8260	
Hexachlorobutadiene	ND		5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
Isopropylbenzene	ND		5.4	1.0	ug/Kg	08/27/14	JLI	SW8260	
m&p-Xylene	5.3	J	5.4	2.1	ug/Kg	08/27/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		33	4.7	ug/Kg	08/27/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	08/27/14	JLI	SW8260	
Methylene chloride	3.0	JS	5.4	0.89	ug/Kg	08/27/14	JLI	SW8260	B*
Naphthalene	ND		5.4	1.5	ug/Kg	08/27/14	JLI	SW8260	
n-Butylbenzene	ND		5.4	0.99	ug/Kg	08/27/14	JLI	SW8260	
n-Propylbenzene	ND		5.4	0.98	ug/Kg	08/27/14	JLI	SW8260	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	2.2	J	5.4	2.1	ug/Kg	08/27/14	JLI	SW8260	
p-Isopropyltoluene	ND		5.4	0.78	ug/Kg	08/27/14	JLI	SW8260	
sec-Butylbenzene	ND		5.4	1.0	ug/Kg	08/27/14	JLI	SW8260	
Styrene	ND		5.4	1.6	ug/Kg	08/27/14	JLI	SW8260	
tert-Butylbenzene	ND		5.4	0.87	ug/Kg	08/27/14	JLI	SW8260	
Tetrachloroethene	ND		5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND		11	4.9	ug/Kg	08/27/14	JLI	SW8260	1
Toluene	ND		5.4	0.86	ug/Kg	08/27/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND		5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND		5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND		11	10	ug/Kg	08/27/14	JLI	SW8260	
Trichloroethene	ND		5.4	1.2	ug/Kg	08/27/14	JLI	SW8260	
Trichlorofluoromethane	ND		5.4	1.2	ug/Kg	08/27/14	JLI	SW8260	
Trichlorotrifluoroethane	ND		5.4	0.85	ug/Kg	08/27/14	JLI	SW8260	
Vinyl chloride	ND		5.4	1.8	ug/Kg	08/27/14	JLI	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	98				%	08/27/14	JLI	70 - 121 %	
% Bromofluorobenzene	93				%	08/27/14	JLI	59 - 113 %	
% Dibromofluoromethane	83				%	08/27/14	JLI	70 - 130 %	
% Toluene-d8	93				%	08/27/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND		250	130	ug/Kg	08/27/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
1,2-Dichlorobenzene	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
1,3-Dichlorobenzene	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
1,4-Dichlorobenzene	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND		250	200	ug/Kg	08/27/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dichlorophenol	ND		250	130	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dimethylphenol	ND		250	90	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dinitrophenol	ND		1800	250	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dinitrotoluene	ND		250	140	ug/Kg	08/27/14	DD	SW 8270	
2,6-Dinitrotoluene	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
2-Chloronaphthalene	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
2-Chlorophenol	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
2-Methylnaphthalene	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	08/27/14	DD	SW 8270	
2-Nitroaniline	ND		1800	370	ug/Kg	08/27/14	DD	SW 8270	
2-Nitrophenol	ND		250	230	ug/Kg	08/27/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	08/27/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		720	170	ug/Kg	08/27/14	DD	SW 8270	
3-Nitroaniline	ND		1800	790	ug/Kg	08/27/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		1800	390	ug/Kg	08/27/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND		250	130	ug/Kg	08/27/14	DD	SW 8270	
4-Chloroaniline	ND		720	170	ug/Kg	08/27/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	08/27/14	DD	SW 8270	

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B8 0-2 FT

Phoenix I.D.: BG99715

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		1800	160	ug/Kg	08/27/14	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Acenaphthylene	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Aniline	ND		1800	730	ug/Kg	08/27/14	DD	SW 8270	
Anthracene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Benz(a)anthracene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Benzidine	ND		720	210	ug/Kg	08/27/14	DD	SW 8270	
Benzo(a)pyrene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Benzo(b)fluoranthene	210	J	250	120	ug/Kg	08/27/14	DD	SW 8270	
Benzo(ghi)perylene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Benzo(k)fluoranthene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Benzoic acid	ND		1800	720	ug/Kg	08/27/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		250	93	ug/Kg	08/27/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		250	98	ug/Kg	08/27/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	330		250	100	ug/Kg	08/27/14	DD	SW 8270	
Carbazole	ND		1800	270	ug/Kg	08/27/14	DD	SW 8270	
Chrysene	160	J	250	120	ug/Kg	08/27/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Dibenzofuran	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Di-n-butylphthalate	ND		250	96	ug/Kg	08/27/14	DD	SW 8270	
Di-n-octylphthalate	ND		250	93	ug/Kg	08/27/14	DD	SW 8270	
Fluoranthene	280		250	120	ug/Kg	08/27/14	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Hexachlorobenzene	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	08/27/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Hexachloroethane	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Isophorone	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
Naphthalene	110	J	250	100	ug/Kg	08/27/14	DD	SW 8270	
Nitrobenzene	ND		250	130	ug/Kg	08/27/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		250	140	ug/Kg	08/27/14	DD	SW 8270	
Pentachloronitrobenzene	ND		250	130	ug/Kg	08/27/14	DD	SW 8270	
Pentachlorophenol	ND		250	140	ug/Kg	08/27/14	DD	SW 8270	
Phenanthrene	340		250	100	ug/Kg	08/27/14	DD	SW 8270	
Phenol	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Pyrene	230	J	250	120	ug/Kg	08/27/14	DD	SW 8270	
Pyridine	ND		250	89	ug/Kg	08/27/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	38				%	08/27/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	68				%	08/27/14	DD	30 - 115 %	
% 2-Fluorophenol	59				%	08/27/14	DD	25 - 121 %	

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B8 0-2 FT

Phoenix I.D.: BG99715

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	65			%	08/27/14	DD	23 - 120 %
% Phenol-d5	65			%	08/27/14	DD	24 - 113 %
% Terphenyl-d14	51			%	08/27/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B* = Present in blank, a bias is possible.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY unrestricted soil criteria for chromium is based on hexavalent chromium and trivalent chromium.

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

Pesticide Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
September 03, 2014
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

September 03, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		08/26/14	12:30
Location Code:	EBC	Received by:	SW	08/26/14	16:31
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG99710
Phoenix ID: BG99716

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B8 12-14 FT

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.38		0.38	0.38	mg/Kg	08/27/14	LK	SW6010
Aluminum	11900		38	7.6	mg/Kg	08/27/14	LK	SW6010
Arsenic	1.4		0.8	0.76	mg/Kg	08/27/14	LK	SW6010
Barium	46.7		0.8	0.38	mg/Kg	08/27/14	LK	SW6010
Beryllium	0.56		0.31	0.15	mg/Kg	08/27/14	LK	SW6010
Calcium	4670		3.8	3.5	mg/Kg	08/27/14	LK	SW6010
Cadmium	< 0.38	*	0.38	0.15	mg/Kg	08/27/14	LK	SW6010
Cobalt	7.10		0.38	0.38	mg/Kg	08/27/14	LK	SW6010
Chromium	34.4		0.38	0.38	mg/Kg	08/27/14	LK	SW6010
Copper	15.1		0.38	0.38	mg/kg	08/27/14	LK	SW6010
Iron	26000		38	38	mg/Kg	08/27/14	LK	SW6010
Mercury	0.13		0.08	0.05	mg/Kg	08/27/14	MA	SW-7471
Potassium	1340	N	8	3.0	mg/Kg	08/27/14	LK	SW6010
Magnesium	2320		3.8	3.8	mg/Kg	08/27/14	LK	SW6010
Manganese	442	N	3.8	3.8	mg/Kg	08/27/14	LK	SW6010
Sodium	100	N	8	3.3	mg/Kg	08/27/14	LK	SW6010
Nickel	14.1		0.38	0.38	mg/Kg	08/27/14	LK	SW6010
Lead	30.7		0.8	0.38	mg/Kg	08/27/14	LK	SW6010
Antimony	< 1.9		1.9	1.9	mg/Kg	08/27/14	LK	SW6010
Selenium	< 1.5		1.5	1.3	mg/Kg	08/27/14	LK	SW6010
Thallium	< 1.5		1.5	1.5	mg/Kg	08/27/14	LK	SW6010
Vanadium	31.8		0.4	0.38	mg/Kg	08/27/14	LK	SW6010
Zinc	42.2	N	0.8	0.38	mg/Kg	08/27/14	LK	SW6010
Percent Solid	91				%	08/26/14	I	E160.3
Soil Extraction for PCB	Completed					08/26/14	BB	SW3545
Soil Extraction for Pesticide	Completed					08/26/14	BB	SW3545
Soil Extraction for SVOA	Completed					08/26/14	BJ/VH	SW3545
Mercury Digestion	Completed					08/27/14	I/I	SW7471

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B8 12-14 FT

Phoenix I.D.: BG99716

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				08/26/14	CB/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1221	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1232	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1242	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1248	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1254	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1260	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1262	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1268	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	94			%	08/27/14	AW	30 - 150 %
% TCMX	65			%	08/27/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.6	2.6	ug/Kg	08/27/14	CE	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	08/27/14	CE	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	08/27/14	CE	SW8081
a-BHC	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	08/27/14	CE	SW8081
b-BHC	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Chlordane	ND	35	35	ug/Kg	08/27/14	CE	SW8081
d-BHC	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	08/27/14	CE	SW8081
Endosulfan I	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Endosulfan II	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Endosulfan sulfate	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Endrin	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Endrin aldehyde	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	08/27/14	CE	SW8081
g-BHC	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Heptachlor	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	08/27/14	CE	SW8081
Methoxychlor	ND	7.1	7.1	ug/Kg	08/27/14	CE	SW8081
Toxaphene	ND	180	180	ug/Kg	08/27/14	CE	SW8081
QA/QC Surrogates							
% DCBP	86			%	08/27/14	CE	30 - 150 %
% TCMX	93			%	08/27/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.5	0.90	ug/Kg	08/27/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.5	1.1	ug/Kg	08/27/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.5	0.78	ug/Kg	08/27/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.5	0.54	ug/Kg	08/27/14	JLI	SW8260
1,1-Dichloroethane	ND	5.5	1.1	ug/Kg	08/27/14	JLI	SW8260
1,1-Dichloroethene	ND	5.5	1.2	ug/Kg	08/27/14	JLI	SW8260

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B8 12-14 FT

Phoenix I.D.: BG99716

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.5	1.1	ug/Kg	08/27/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		5.5	1.1	ug/Kg	08/27/14	JLI	SW8260	
1,2,3-Trichloropropane	ND		5.5	0.78	ug/Kg	08/27/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		5.5	1.1	ug/Kg	08/27/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND		5.5	0.79	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.5	1.5	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		5.5	0.60	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dichloroethane	ND		5.5	0.48	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dichloropropane	ND		5.5	0.78	ug/Kg	08/27/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND		5.5	0.73	ug/Kg	08/27/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		5.5	0.81	ug/Kg	08/27/14	JLI	SW8260	
1,3-Dichloropropane	ND		5.5	0.58	ug/Kg	08/27/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		5.5	0.87	ug/Kg	08/27/14	JLI	SW8260	
2,2-Dichloropropane	ND		5.5	0.92	ug/Kg	08/27/14	JLI	SW8260	
2-Chlorotoluene	ND		5.5	0.88	ug/Kg	08/27/14	JLI	SW8260	
2-Hexanone	ND		27	2.5	ug/Kg	08/27/14	JLI	SW8260	
2-Isopropyltoluene	ND		5.5	0.76	ug/Kg	08/27/14	JLI	SW8260	1
4-Chlorotoluene	ND		5.5	0.64	ug/Kg	08/27/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	08/27/14	JLI	SW8260	
Acetone	ND		50	5.5	ug/Kg	08/27/14	JLI	SW8260	
Acrylonitrile	ND		11	3.1	ug/Kg	08/27/14	JLI	SW8260	
Benzene	ND		5.5	1.1	ug/Kg	08/27/14	JLI	SW8260	
Bromobenzene	ND		5.5	0.71	ug/Kg	08/27/14	JLI	SW8260	
Bromochloromethane	ND		5.5	0.80	ug/Kg	08/27/14	JLI	SW8260	
Bromodichloromethane	ND		5.5	0.68	ug/Kg	08/27/14	JLI	SW8260	
Bromoform	ND		5.5	0.77	ug/Kg	08/27/14	JLI	SW8260	
Bromomethane	ND		5.5	4.2	ug/Kg	08/27/14	JLI	SW8260	
Carbon Disulfide	ND		5.5	0.89	ug/Kg	08/27/14	JLI	SW8260	
Carbon tetrachloride	ND		5.5	0.64	ug/Kg	08/27/14	JLI	SW8260	
Chlorobenzene	ND		5.5	0.81	ug/Kg	08/27/14	JLI	SW8260	
Chloroethane	ND		5.5	1.3	ug/Kg	08/27/14	JLI	SW8260	
Chloroform	ND		5.5	1.0	ug/Kg	08/27/14	JLI	SW8260	
Chloromethane	ND		5.5	2.9	ug/Kg	08/27/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.5	1.2	ug/Kg	08/27/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.5	0.59	ug/Kg	08/27/14	JLI	SW8260	
Dibromochloromethane	ND		5.5	0.62	ug/Kg	08/27/14	JLI	SW8260	
Dibromomethane	ND		5.5	0.69	ug/Kg	08/27/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.5	1.5	ug/Kg	08/27/14	JLI	SW8260	
Ethylbenzene	ND		5.5	1.0	ug/Kg	08/27/14	JLI	SW8260	
Hexachlorobutadiene	ND		5.5	1.2	ug/Kg	08/27/14	JLI	SW8260	
Isopropylbenzene	ND		5.5	1.1	ug/Kg	08/27/14	JLI	SW8260	
m&p-Xylene	ND		5.5	2.2	ug/Kg	08/27/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		33	4.8	ug/Kg	08/27/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	08/27/14	JLI	SW8260	
Methylene chloride	2.6	JS	5.5	0.90	ug/Kg	08/27/14	JLI	SW8260	B*
Naphthalene	ND		5.5	1.5	ug/Kg	08/27/14	JLI	SW8260	
n-Butylbenzene	ND		5.5	1.0	ug/Kg	08/27/14	JLI	SW8260	
n-Propylbenzene	ND		5.5	0.99	ug/Kg	08/27/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.5	2.1	ug/Kg	08/27/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.5	0.79	ug/Kg	08/27/14	JLI	SW8260	
sec-Butylbenzene	ND	5.5	1.0	ug/Kg	08/27/14	JLI	SW8260	
Styrene	ND	5.5	1.6	ug/Kg	08/27/14	JLI	SW8260	
tert-Butylbenzene	ND	5.5	0.88	ug/Kg	08/27/14	JLI	SW8260	
Tetrachloroethene	ND	5.5	1.2	ug/Kg	08/27/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11	4.9	ug/Kg	08/27/14	JLI	SW8260	1
Toluene	ND	5.5	0.87	ug/Kg	08/27/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.5	1.1	ug/Kg	08/27/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.5	1.1	ug/Kg	08/27/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	08/27/14	JLI	SW8260	
Trichloroethene	ND	5.5	1.2	ug/Kg	08/27/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.5	1.2	ug/Kg	08/27/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.5	0.86	ug/Kg	08/27/14	JLI	SW8260	
Vinyl chloride	ND	5.5	1.8	ug/Kg	08/27/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	97			%	08/27/14	JLI	70 - 121 %	
% Bromofluorobenzene	95			%	08/27/14	JLI	59 - 113 %	
% Dibromofluoromethane	100			%	08/27/14	JLI	70 - 130 %	
% Toluene-d8	93			%	08/27/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	08/27/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	08/27/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	250	100	ug/Kg	08/27/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	08/27/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	250	110	ug/Kg	08/27/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	250	110	ug/Kg	08/27/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	08/27/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	250	120	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dichlorophenol	ND	250	130	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dimethylphenol	ND	250	89	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1800	250	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	250	140	ug/Kg	08/27/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	250	110	ug/Kg	08/27/14	DD	SW 8270	
2-Chloronaphthalene	ND	250	100	ug/Kg	08/27/14	DD	SW 8270	
2-Chlorophenol	ND	250	100	ug/Kg	08/27/14	DD	SW 8270	
2-Methylnaphthalene	ND	250	110	ug/Kg	08/27/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	08/27/14	DD	SW 8270	
2-Nitroaniline	ND	1800	360	ug/Kg	08/27/14	DD	SW 8270	
2-Nitrophenol	ND	250	230	ug/Kg	08/27/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	08/27/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	720	170	ug/Kg	08/27/14	DD	SW 8270	
3-Nitroaniline	ND	1800	790	ug/Kg	08/27/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1800	390	ug/Kg	08/27/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	08/27/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	08/27/14	DD	SW 8270	
4-Chloroaniline	ND	720	170	ug/Kg	08/27/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	08/27/14	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	08/27/14	DD	SW 8270	

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B8 12-14 FT

Phoenix I.D.: BG99716

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		1800	160	ug/Kg	08/27/14	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Acenaphthylene	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Aniline	ND		1800	730	ug/Kg	08/27/14	DD	SW 8270	
Anthracene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Benz(a)anthracene	240	J	250	120	ug/Kg	08/27/14	DD	SW 8270	
Benzidine	ND		720	210	ug/Kg	08/27/14	DD	SW 8270	
Benzo(a)pyrene	240	J	250	120	ug/Kg	08/27/14	DD	SW 8270	
Benzo(b)fluoranthene	300		250	120	ug/Kg	08/27/14	DD	SW 8270	
Benzo(ghi)perylene	180	J	250	120	ug/Kg	08/27/14	DD	SW 8270	
Benzo(k)fluoranthene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Benzoic acid	ND		1800	720	ug/Kg	08/27/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		250	93	ug/Kg	08/27/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		250	97	ug/Kg	08/27/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
Carbazole	ND		1800	270	ug/Kg	08/27/14	DD	SW 8270	
Chrysene	200	J	250	120	ug/Kg	08/27/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Dibenzofuran	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Di-n-butylphthalate	ND		250	96	ug/Kg	08/27/14	DD	SW 8270	
Di-n-octylphthalate	ND		250	93	ug/Kg	08/27/14	DD	SW 8270	
Fluoranthene	460		250	120	ug/Kg	08/27/14	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Hexachlorobenzene	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	08/27/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Hexachloroethane	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	150	J	250	120	ug/Kg	08/27/14	DD	SW 8270	
Isophorone	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
Naphthalene	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
Nitrobenzene	ND		250	130	ug/Kg	08/27/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		250	140	ug/Kg	08/27/14	DD	SW 8270	
Pentachloronitrobenzene	ND		250	130	ug/Kg	08/27/14	DD	SW 8270	
Pentachlorophenol	ND		250	140	ug/Kg	08/27/14	DD	SW 8270	
Phenanthrene	230	J	250	100	ug/Kg	08/27/14	DD	SW 8270	
Phenol	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Pyrene	420		250	120	ug/Kg	08/27/14	DD	SW 8270	
Pyridine	ND		250	89	ug/Kg	08/27/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	67				%	08/27/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	53				%	08/27/14	DD	30 - 115 %	
% 2-Fluorophenol	41				%	08/27/14	DD	25 - 121 %	

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B8 12-14 FT

Phoenix I.D.: BG99716

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	43			%	08/27/14	DD	23 - 120 %
% Phenol-d5	46			%	08/27/14	DD	24 - 113 %
% Terphenyl-d14	69			%	08/27/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B* = Present in blank, a bias is possible.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY unrestricted soil criteria for chromium is based on hexavalent chromium and trivalent chromium.

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
September 03, 2014
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

September 03, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		08/26/14	13:30
Location Code:	EBC	Received by:	SW	08/26/14	16:31
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG99710
Phoenix ID: BG99717

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B9 0-2 FT

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.34		0.34	0.34	mg/Kg	08/27/14	LK	SW6010
Aluminum	7360		34	6.7	mg/Kg	08/27/14	LK	SW6010
Arsenic	1.6		0.7	0.67	mg/Kg	08/27/14	LK	SW6010
Barium	53.5		0.7	0.34	mg/Kg	08/27/14	LK	SW6010
Beryllium	0.35		0.27	0.13	mg/Kg	08/27/14	LK	SW6010
Calcium	26300		34	31	mg/Kg	08/27/14	LK	SW6010
Cadmium	< 0.34	*	0.34	0.13	mg/Kg	08/27/14	LK	SW6010
Cobalt	4.37		0.34	0.34	mg/Kg	08/27/14	LK	SW6010
Chromium	12.5		0.34	0.34	mg/Kg	08/27/14	LK	SW6010
Copper	11.2		0.34	0.34	mg/kg	08/27/14	LK	SW6010
Iron	10300		34	34	mg/Kg	08/27/14	LK	SW6010
Mercury	0.12		0.08	0.05	mg/Kg	08/27/14	MA	SW-7471
Potassium	761	N	7	2.6	mg/Kg	08/27/14	LK	SW6010
Magnesium	2400		3.4	3.4	mg/Kg	08/27/14	LK	SW6010
Manganese	196	N	3.4	3.4	mg/Kg	08/27/14	LK	SW6010
Sodium	233	N	7	2.9	mg/Kg	08/27/14	LK	SW6010
Nickel	8.78		0.34	0.34	mg/Kg	08/27/14	LK	SW6010
Lead	71.0		0.7	0.34	mg/Kg	08/27/14	LK	SW6010
Antimony	< 1.7		1.7	1.7	mg/Kg	08/27/14	LK	SW6010
Selenium	< 1.3		1.3	1.1	mg/Kg	08/27/14	LK	SW6010
Thallium	< 1.3		1.3	1.3	mg/Kg	08/27/14	LK	SW6010
Vanadium	17.0		0.3	0.34	mg/Kg	08/27/14	LK	SW6010
Zinc	52.2	N	0.7	0.34	mg/Kg	08/27/14	LK	SW6010
Percent Solid	93				%	08/26/14	I	E160.3
Soil Extraction for PCB	Completed					08/26/14	BB	SW3545
Soil Extraction for Pesticide	Completed					08/26/14	BB	SW3545
Soil Extraction for SVOA	Completed					08/26/14	BJ/VH	SW3545
Mercury Digestion	Completed					08/27/14	I/I	SW7471

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B9 0-2 FT

Phoenix I.D.: BG99717

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				08/26/14	CB/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1221	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1232	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1242	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1248	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1254	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1260	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1262	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1268	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	95			%	08/27/14	AW	30 - 150 %
% TCMX	64			%	08/27/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.5	2.5	ug/Kg	08/27/14	CE	SW8081
4,4' -DDE	10	2.5	2.5	ug/Kg	08/27/14	CE	SW8081
4,4' -DDT	18	2.5	2.5	ug/Kg	08/27/14	CE	SW8081
a-BHC	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	08/27/14	CE	SW8081
b-BHC	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Chlordane	ND	35	35	ug/Kg	08/27/14	CE	SW8081
d-BHC	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	08/27/14	CE	SW8081
Endosulfan I	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Endosulfan II	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Endosulfan sulfate	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Endrin	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Endrin aldehyde	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	08/27/14	CE	SW8081
g-BHC	ND	5.0	5.0	ug/Kg	08/27/14	CE	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Heptachlor	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	08/27/14	CE	SW8081
Methoxychlor	ND	7.1	7.1	ug/Kg	08/27/14	CE	SW8081
Toxaphene	ND	180	180	ug/Kg	08/27/14	CE	SW8081
QA/QC Surrogates							
% DCBP	97			%	08/27/14	CE	30 - 150 %
% TCMX	98			%	08/27/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.4	0.88	ug/Kg	08/27/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.4	1.1	ug/Kg	08/27/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	0.76	ug/Kg	08/27/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.4	0.53	ug/Kg	08/27/14	JLI	SW8260
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	08/27/14	JLI	SW8260
1,1-Dichloroethene	ND	5.4	1.2	ug/Kg	08/27/14	JLI	SW8260

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B9 0-2 FT

Phoenix I.D.: BG99717

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.4	1.0	ug/Kg	08/27/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
1,2,3-Trichloropropane	ND		5.4	0.76	ug/Kg	08/27/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND		5.4	0.77	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.4	1.4	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dibromoethane	ND		5.4	1.4	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		5.4	0.59	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dichloroethane	ND		5.4	0.47	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dichloropropane	ND		5.4	0.76	ug/Kg	08/27/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND		5.4	0.71	ug/Kg	08/27/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		5.4	0.80	ug/Kg	08/27/14	JLI	SW8260	
1,3-Dichloropropane	ND		5.4	0.57	ug/Kg	08/27/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		5.4	0.85	ug/Kg	08/27/14	JLI	SW8260	
2,2-Dichloropropane	ND		5.4	0.90	ug/Kg	08/27/14	JLI	SW8260	
2-Chlorotoluene	ND		5.4	0.86	ug/Kg	08/27/14	JLI	SW8260	
2-Hexanone	ND		27	2.4	ug/Kg	08/27/14	JLI	SW8260	
2-Isopropyltoluene	ND		5.4	0.74	ug/Kg	08/27/14	JLI	SW8260	1
4-Chlorotoluene	ND		5.4	0.62	ug/Kg	08/27/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	08/27/14	JLI	SW8260	
Acetone	51	JS	54	5.3	ug/Kg	08/27/14	JLI	SW8260	
Acrylonitrile	ND		11	3.0	ug/Kg	08/27/14	JLI	SW8260	
Benzene	ND		5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
Bromobenzene	ND		5.4	0.70	ug/Kg	08/27/14	JLI	SW8260	
Bromochloromethane	ND		5.4	0.78	ug/Kg	08/27/14	JLI	SW8260	
Bromodichloromethane	ND		5.4	0.67	ug/Kg	08/27/14	JLI	SW8260	
Bromoform	ND		5.4	0.75	ug/Kg	08/27/14	JLI	SW8260	
Bromomethane	ND		5.4	4.1	ug/Kg	08/27/14	JLI	SW8260	
Carbon Disulfide	ND		5.4	0.87	ug/Kg	08/27/14	JLI	SW8260	
Carbon tetrachloride	ND		5.4	0.62	ug/Kg	08/27/14	JLI	SW8260	
Chlorobenzene	ND		5.4	0.80	ug/Kg	08/27/14	JLI	SW8260	
Chloroethane	ND		5.4	1.3	ug/Kg	08/27/14	JLI	SW8260	
Chloroform	ND		5.4	0.98	ug/Kg	08/27/14	JLI	SW8260	
Chloromethane	ND		5.4	2.8	ug/Kg	08/27/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.4	1.2	ug/Kg	08/27/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.4	0.58	ug/Kg	08/27/14	JLI	SW8260	
Dibromochloromethane	ND		5.4	0.60	ug/Kg	08/27/14	JLI	SW8260	
Dibromomethane	ND		5.4	0.68	ug/Kg	08/27/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.4	1.4	ug/Kg	08/27/14	JLI	SW8260	
Ethylbenzene	ND		5.4	0.98	ug/Kg	08/27/14	JLI	SW8260	
Hexachlorobutadiene	ND		5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
Isopropylbenzene	ND		5.4	1.0	ug/Kg	08/27/14	JLI	SW8260	
m&p-Xylene	ND		5.4	2.1	ug/Kg	08/27/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		32	4.7	ug/Kg	08/27/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	08/27/14	JLI	SW8260	
Methylene chloride	2.5	JS	5.4	0.88	ug/Kg	08/27/14	JLI	SW8260	B*
Naphthalene	ND		5.4	1.4	ug/Kg	08/27/14	JLI	SW8260	
n-Butylbenzene	ND		5.4	0.98	ug/Kg	08/27/14	JLI	SW8260	
n-Propylbenzene	ND		5.4	0.97	ug/Kg	08/27/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.4	2.1	ug/Kg	08/27/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.4	0.77	ug/Kg	08/27/14	JLI	SW8260	
sec-Butylbenzene	ND	5.4	1.0	ug/Kg	08/27/14	JLI	SW8260	
Styrene	ND	5.4	1.5	ug/Kg	08/27/14	JLI	SW8260	
tert-Butylbenzene	ND	5.4	0.86	ug/Kg	08/27/14	JLI	SW8260	
Tetrachloroethene	ND	5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11	4.8	ug/Kg	08/27/14	JLI	SW8260	1
Toluene	ND	5.4	0.85	ug/Kg	08/27/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	08/27/14	JLI	SW8260	
Trichloroethene	ND	5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.4	1.2	ug/Kg	08/27/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.4	0.84	ug/Kg	08/27/14	JLI	SW8260	
Vinyl chloride	ND	5.4	1.7	ug/Kg	08/27/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	08/27/14	JLI	70 - 121 %	
% Bromofluorobenzene	93			%	08/27/14	JLI	59 - 113 %	
% Dibromofluoromethane	86			%	08/27/14	JLI	70 - 130 %	
% Toluene-d8	94			%	08/27/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	08/27/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	240	100	ug/Kg	08/27/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	240	98	ug/Kg	08/27/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	240	100	ug/Kg	08/27/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	240	100	ug/Kg	08/27/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	08/27/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dichlorophenol	ND	240	120	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dimethylphenol	ND	240	86	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1700	240	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	240	140	ug/Kg	08/27/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
2-Chloronaphthalene	ND	240	99	ug/Kg	08/27/14	DD	SW 8270	
2-Chlorophenol	ND	240	99	ug/Kg	08/27/14	DD	SW 8270	
2-Methylnaphthalene	ND	240	100	ug/Kg	08/27/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	08/27/14	DD	SW 8270	
2-Nitroaniline	ND	1700	350	ug/Kg	08/27/14	DD	SW 8270	
2-Nitrophenol	ND	240	220	ug/Kg	08/27/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	08/27/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	690	160	ug/Kg	08/27/14	DD	SW 8270	
3-Nitroaniline	ND	1700	750	ug/Kg	08/27/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1700	370	ug/Kg	08/27/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	08/27/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	08/27/14	DD	SW 8270	
4-Chloroaniline	ND	690	160	ug/Kg	08/27/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	08/27/14	DD	SW 8270	
4-Nitroaniline	ND	1700	120	ug/Kg	08/27/14	DD	SW 8270	

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B9 0-2 FT

Phoenix I.D.: BG99717

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		1700	160	ug/Kg	08/27/14	DD	SW 8270	
Acenaphthene	ND		240	110	ug/Kg	08/27/14	DD	SW 8270	
Acenaphthylene	ND		240	97	ug/Kg	08/27/14	DD	SW 8270	
Acetophenone	ND		240	110	ug/Kg	08/27/14	DD	SW 8270	
Aniline	ND		1700	700	ug/Kg	08/27/14	DD	SW 8270	
Anthracene	180	J	240	110	ug/Kg	08/27/14	DD	SW 8270	
Benz(a)anthracene	540		240	120	ug/Kg	08/27/14	DD	SW 8270	
Benzidine	ND		690	200	ug/Kg	08/27/14	DD	SW 8270	
Benzo(a)pyrene	480		240	110	ug/Kg	08/27/14	DD	SW 8270	
Benzo(b)fluoranthene	650		240	120	ug/Kg	08/27/14	DD	SW 8270	
Benzo(ghi)perylene	340		240	110	ug/Kg	08/27/14	DD	SW 8270	
Benzo(k)fluoranthene	190	J	240	120	ug/Kg	08/27/14	DD	SW 8270	
Benzoic acid	ND		1700	690	ug/Kg	08/27/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		240	89	ug/Kg	08/27/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		240	96	ug/Kg	08/27/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		240	94	ug/Kg	08/27/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		240	96	ug/Kg	08/27/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		240	100	ug/Kg	08/27/14	DD	SW 8270	
Carbazole	ND		1700	260	ug/Kg	08/27/14	DD	SW 8270	
Chrysene	540		240	120	ug/Kg	08/27/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		240	110	ug/Kg	08/27/14	DD	SW 8270	
Dibenzofuran	ND		240	100	ug/Kg	08/27/14	DD	SW 8270	
Diethyl phthalate	ND		240	110	ug/Kg	08/27/14	DD	SW 8270	
Dimethylphthalate	ND		240	110	ug/Kg	08/27/14	DD	SW 8270	
Di-n-butylphthalate	ND		240	92	ug/Kg	08/27/14	DD	SW 8270	
Di-n-octylphthalate	ND		240	89	ug/Kg	08/27/14	DD	SW 8270	
Fluoranthene	1200		240	110	ug/Kg	08/27/14	DD	SW 8270	
Fluorene	ND		240	110	ug/Kg	08/27/14	DD	SW 8270	
Hexachlorobenzene	ND		240	100	ug/Kg	08/27/14	DD	SW 8270	
Hexachlorobutadiene	ND		240	130	ug/Kg	08/27/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		240	110	ug/Kg	08/27/14	DD	SW 8270	
Hexachloroethane	ND		240	100	ug/Kg	08/27/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	300		240	120	ug/Kg	08/27/14	DD	SW 8270	
Isophorone	ND		240	97	ug/Kg	08/27/14	DD	SW 8270	
Naphthalene	ND		240	100	ug/Kg	08/27/14	DD	SW 8270	
Nitrobenzene	ND		240	120	ug/Kg	08/27/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		240	98	ug/Kg	08/27/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		240	110	ug/Kg	08/27/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		240	130	ug/Kg	08/27/14	DD	SW 8270	
Pentachloronitrobenzene	ND		240	130	ug/Kg	08/27/14	DD	SW 8270	
Pentachlorophenol	ND		240	130	ug/Kg	08/27/14	DD	SW 8270	
Phenanthrene	1100		240	99	ug/Kg	08/27/14	DD	SW 8270	
Phenol	ND		240	110	ug/Kg	08/27/14	DD	SW 8270	
Pyrene	1000		240	120	ug/Kg	08/27/14	DD	SW 8270	
Pyridine	ND		240	85	ug/Kg	08/27/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	59				%	08/27/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	64				%	08/27/14	DD	30 - 115 %	
% 2-Fluorophenol	51				%	08/27/14	DD	25 - 121 %	

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B9 0-2 FT

Phoenix I.D.: BG99717

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	54			%	08/27/14	DD	23 - 120 %
% Phenol-d5	56			%	08/27/14	DD	24 - 113 %
% Terphenyl-d14	67			%	08/27/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B* = Present in blank, a bias is possible.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY unrestricted soil criteria for chromium is based on hexavalent chromium and trivalent chromium.

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

Pesticide Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
September 03, 2014
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

September 03, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		08/26/14	13:45
Location Code:	EBC	Received by:	SW	08/26/14	16:31
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG99710
Phoenix ID: BG99718

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B9 12-14 FT

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.34		0.34	0.34	mg/Kg	08/27/14	LK	SW6010
Aluminum	8460		34	6.8	mg/Kg	08/27/14	LK	SW6010
Arsenic	< 0.7		0.7	0.68	mg/Kg	08/27/14	LK	SW6010
Barium	41.5		0.7	0.34	mg/Kg	08/27/14	LK	SW6010
Beryllium	0.52		0.27	0.14	mg/Kg	08/27/14	LK	SW6010
Calcium	1380		3.4	3.1	mg/Kg	08/27/14	LK	SW6010
Cadmium	0.18	B*	0.34	0.14	mg/Kg	08/27/14	LK	SW6010
Cobalt	8.16		0.34	0.34	mg/Kg	08/27/14	LK	SW6010
Chromium	32.4		0.34	0.34	mg/Kg	08/27/14	LK	SW6010
Copper	15.9		0.34	0.34	mg/kg	08/27/14	LK	SW6010
Iron	30000		34	34	mg/Kg	08/27/14	LK	SW6010
Mercury	< 0.06		0.06	0.04	mg/Kg	08/27/14	MA	SW-7471
Potassium	1370	N	7	2.7	mg/Kg	08/27/14	LK	SW6010
Magnesium	2630		3.4	3.4	mg/Kg	08/27/14	LK	SW6010
Manganese	663	N	3.4	3.4	mg/Kg	08/27/14	LK	SW6010
Sodium	398	N	7	2.9	mg/Kg	08/27/14	LK	SW6010
Nickel	13.6		0.34	0.34	mg/Kg	08/27/14	LK	SW6010
Lead	7.1		0.7	0.34	mg/Kg	08/27/14	LK	SW6010
Antimony	< 1.7		1.7	1.7	mg/Kg	08/27/14	LK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	08/27/14	LK	SW6010
Thallium	< 1.4		1.4	1.4	mg/Kg	08/27/14	LK	SW6010
Vanadium	34.0		0.3	0.34	mg/Kg	08/27/14	LK	SW6010
Zinc	29.0	N	0.7	0.34	mg/Kg	08/27/14	LK	SW6010
Percent Solid	93				%	08/26/14	I	E160.3
Soil Extraction for PCB	Completed					08/26/14	BB	SW3545
Soil Extraction for Pesticide	Completed					08/26/14	BB	SW3545
Soil Extraction for SVOA	Completed					08/26/14	BJ/VH	SW3545
Mercury Digestion	Completed					08/27/14	I/I	SW7471

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B9 12-14 FT

Phoenix I.D.: BG99718

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				08/26/14	CB/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1221	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1232	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1242	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1248	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1254	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1260	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1262	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1268	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	93			%	08/27/14	AW	30 - 150 %
% TCMX	67			%	08/27/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.6	2.6	ug/Kg	08/27/14	CE	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	08/27/14	CE	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	08/27/14	CE	SW8081
a-BHC	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	08/27/14	CE	SW8081
b-BHC	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Chlordane	ND	35	35	ug/Kg	08/27/14	CE	SW8081
d-BHC	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	08/27/14	CE	SW8081
Endosulfan I	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Endosulfan II	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Endosulfan sulfate	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Endrin	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Endrin aldehyde	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	08/27/14	CE	SW8081
g-BHC	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Heptachlor	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	08/27/14	CE	SW8081
Methoxychlor	ND	7.1	7.1	ug/Kg	08/27/14	CE	SW8081
Toxaphene	ND	180	180	ug/Kg	08/27/14	CE	SW8081
QA/QC Surrogates							
% DCBP	91			%	08/27/14	CE	30 - 150 %
% TCMX	96			%	08/27/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.4	0.88	ug/Kg	08/27/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.4	1.1	ug/Kg	08/27/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	0.76	ug/Kg	08/27/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.4	0.53	ug/Kg	08/27/14	JLI	SW8260
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	08/27/14	JLI	SW8260
1,1-Dichloroethene	ND	5.4	1.2	ug/Kg	08/27/14	JLI	SW8260

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B9 12-14 FT

Phoenix I.D.: BG99718

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.4	1.0	ug/Kg	08/27/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
1,2,3-Trichloropropane	ND		5.4	0.76	ug/Kg	08/27/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND		5.4	0.77	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.4	1.4	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dibromoethane	ND		5.4	1.4	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		5.4	0.59	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dichloroethane	ND		5.4	0.47	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dichloropropane	ND		5.4	0.76	ug/Kg	08/27/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND		5.4	0.71	ug/Kg	08/27/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		5.4	0.80	ug/Kg	08/27/14	JLI	SW8260	
1,3-Dichloropropane	ND		5.4	0.57	ug/Kg	08/27/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		5.4	0.85	ug/Kg	08/27/14	JLI	SW8260	
2,2-Dichloropropane	ND		5.4	0.90	ug/Kg	08/27/14	JLI	SW8260	
2-Chlorotoluene	ND		5.4	0.86	ug/Kg	08/27/14	JLI	SW8260	
2-Hexanone	ND		27	2.4	ug/Kg	08/27/14	JLI	SW8260	
2-Isopropyltoluene	ND		5.4	0.74	ug/Kg	08/27/14	JLI	SW8260	1
4-Chlorotoluene	ND		5.4	0.62	ug/Kg	08/27/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	08/27/14	JLI	SW8260	
Acetone	84	S	54	5.3	ug/Kg	08/27/14	JLI	SW8260	
Acrylonitrile	ND		11	3.0	ug/Kg	08/27/14	JLI	SW8260	
Benzene	ND		5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
Bromobenzene	ND		5.4	0.70	ug/Kg	08/27/14	JLI	SW8260	
Bromochloromethane	ND		5.4	0.78	ug/Kg	08/27/14	JLI	SW8260	
Bromodichloromethane	ND		5.4	0.67	ug/Kg	08/27/14	JLI	SW8260	
Bromoform	ND		5.4	0.75	ug/Kg	08/27/14	JLI	SW8260	
Bromomethane	ND		5.4	4.1	ug/Kg	08/27/14	JLI	SW8260	
Carbon Disulfide	ND		5.4	0.87	ug/Kg	08/27/14	JLI	SW8260	
Carbon tetrachloride	ND		5.4	0.62	ug/Kg	08/27/14	JLI	SW8260	
Chlorobenzene	ND		5.4	0.80	ug/Kg	08/27/14	JLI	SW8260	
Chloroethane	ND		5.4	1.3	ug/Kg	08/27/14	JLI	SW8260	
Chloroform	ND		5.4	0.98	ug/Kg	08/27/14	JLI	SW8260	
Chloromethane	ND		5.4	2.8	ug/Kg	08/27/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.4	1.2	ug/Kg	08/27/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.4	0.58	ug/Kg	08/27/14	JLI	SW8260	
Dibromochloromethane	ND		5.4	0.60	ug/Kg	08/27/14	JLI	SW8260	
Dibromomethane	ND		5.4	0.68	ug/Kg	08/27/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.4	1.4	ug/Kg	08/27/14	JLI	SW8260	
Ethylbenzene	ND		5.4	0.98	ug/Kg	08/27/14	JLI	SW8260	
Hexachlorobutadiene	ND		5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
Isopropylbenzene	ND		5.4	1.0	ug/Kg	08/27/14	JLI	SW8260	
m&p-Xylene	ND		5.4	2.1	ug/Kg	08/27/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		32	4.7	ug/Kg	08/27/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	08/27/14	JLI	SW8260	
Methylene chloride	2.7	JS	5.4	0.88	ug/Kg	08/27/14	JLI	SW8260	B*
Naphthalene	ND		5.4	1.4	ug/Kg	08/27/14	JLI	SW8260	
n-Butylbenzene	ND		5.4	0.98	ug/Kg	08/27/14	JLI	SW8260	
n-Propylbenzene	ND		5.4	0.97	ug/Kg	08/27/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.4	2.1	ug/Kg	08/27/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.4	0.77	ug/Kg	08/27/14	JLI	SW8260	
sec-Butylbenzene	ND	5.4	1.0	ug/Kg	08/27/14	JLI	SW8260	
Styrene	ND	5.4	1.5	ug/Kg	08/27/14	JLI	SW8260	
tert-Butylbenzene	ND	5.4	0.86	ug/Kg	08/27/14	JLI	SW8260	
Tetrachloroethene	ND	5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11	4.8	ug/Kg	08/27/14	JLI	SW8260	1
Toluene	ND	5.4	0.85	ug/Kg	08/27/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	08/27/14	JLI	SW8260	
Trichloroethene	ND	5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.4	1.2	ug/Kg	08/27/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.4	0.84	ug/Kg	08/27/14	JLI	SW8260	
Vinyl chloride	ND	5.4	1.7	ug/Kg	08/27/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	96			%	08/27/14	JLI	70 - 121 %	
% Bromofluorobenzene	95			%	08/27/14	JLI	59 - 113 %	
% Dibromofluoromethane	101			%	08/27/14	JLI	70 - 130 %	
% Toluene-d8	94			%	08/27/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	08/27/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	240	98	ug/Kg	08/27/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	240	100	ug/Kg	08/27/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	240	100	ug/Kg	08/27/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	08/27/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dichlorophenol	ND	240	120	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dimethylphenol	ND	240	86	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1700	240	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	240	140	ug/Kg	08/27/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
2-Chloronaphthalene	ND	240	99	ug/Kg	08/27/14	DD	SW 8270	
2-Chlorophenol	ND	240	99	ug/Kg	08/27/14	DD	SW 8270	
2-Methylnaphthalene	ND	240	100	ug/Kg	08/27/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	08/27/14	DD	SW 8270	
2-Nitroaniline	ND	1700	350	ug/Kg	08/27/14	DD	SW 8270	
2-Nitrophenol	ND	240	220	ug/Kg	08/27/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	08/27/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	700	160	ug/Kg	08/27/14	DD	SW 8270	
3-Nitroaniline	ND	1700	760	ug/Kg	08/27/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1700	370	ug/Kg	08/27/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	08/27/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	08/27/14	DD	SW 8270	
4-Chloroaniline	ND	700	160	ug/Kg	08/27/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	08/27/14	DD	SW 8270	
4-Nitroaniline	ND	1700	120	ug/Kg	08/27/14	DD	SW 8270	

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B9 12-14 FT

Phoenix I.D.: BG99718

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1700	160	ug/Kg	08/27/14	DD	SW 8270	
Acenaphthene	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
Acenaphthylene	ND	240	98	ug/Kg	08/27/14	DD	SW 8270	
Acetophenone	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
Aniline	ND	1700	700	ug/Kg	08/27/14	DD	SW 8270	
Anthracene	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
Benz(a)anthracene	ND	240	120	ug/Kg	08/27/14	DD	SW 8270	
Benzidine	ND	700	200	ug/Kg	08/27/14	DD	SW 8270	
Benzo(a)pyrene	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	240	120	ug/Kg	08/27/14	DD	SW 8270	
Benzo(ghi)perylene	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	240	120	ug/Kg	08/27/14	DD	SW 8270	
Benzoic acid	ND	1700	700	ug/Kg	08/27/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	240	90	ug/Kg	08/27/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	240	96	ug/Kg	08/27/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	240	94	ug/Kg	08/27/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	240	97	ug/Kg	08/27/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	240	100	ug/Kg	08/27/14	DD	SW 8270	
Carbazole	ND	1700	260	ug/Kg	08/27/14	DD	SW 8270	
Chrysene	ND	240	120	ug/Kg	08/27/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
Dibenzofuran	ND	240	100	ug/Kg	08/27/14	DD	SW 8270	
Diethyl phthalate	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
Dimethylphthalate	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
Di-n-butylphthalate	ND	240	93	ug/Kg	08/27/14	DD	SW 8270	
Di-n-octylphthalate	ND	240	90	ug/Kg	08/27/14	DD	SW 8270	
Fluoranthene	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
Fluorene	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
Hexachlorobenzene	ND	240	100	ug/Kg	08/27/14	DD	SW 8270	
Hexachlorobutadiene	ND	240	130	ug/Kg	08/27/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
Hexachloroethane	ND	240	100	ug/Kg	08/27/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	240	120	ug/Kg	08/27/14	DD	SW 8270	
Isophorone	ND	240	98	ug/Kg	08/27/14	DD	SW 8270	
Naphthalene	ND	240	100	ug/Kg	08/27/14	DD	SW 8270	
Nitrobenzene	ND	240	120	ug/Kg	08/27/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	240	98	ug/Kg	08/27/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	240	130	ug/Kg	08/27/14	DD	SW 8270	
Pentachloronitrobenzene	ND	240	130	ug/Kg	08/27/14	DD	SW 8270	
Pentachlorophenol	ND	240	130	ug/Kg	08/27/14	DD	SW 8270	
Phenanthrene	ND	240	100	ug/Kg	08/27/14	DD	SW 8270	
Phenol	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
Pyrene	ND	240	120	ug/Kg	08/27/14	DD	SW 8270	
Pyridine	ND	240	86	ug/Kg	08/27/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	65			%	08/27/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	68			%	08/27/14	DD	30 - 115 %	
% 2-Fluorophenol	57			%	08/27/14	DD	25 - 121 %	

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B9 12-14 FT

Phoenix I.D.: BG99718

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	60			%	08/27/14	DD	23 - 120 %
% Phenol-d5	61			%	08/27/14	DD	24 - 113 %
% Terphenyl-d14	71			%	08/27/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B* = Present in blank, a bias is possible.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY unrestricted soil criteria for chromium is based on hexavalent chromium and trivalent chromium.

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
September 03, 2014
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

September 03, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		08/26/14	14:00
Location Code:	EBC	Received by:	SW	08/26/14	16:31
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG99710
Phoenix ID: BG99719

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B10 0-2 FT

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.33		0.33	0.33	mg/Kg	08/27/14	LK	SW6010
Aluminum	10600		33	6.5	mg/Kg	08/27/14	LK	SW6010
Arsenic	2.7		0.7	0.65	mg/Kg	08/27/14	LK	SW6010
Barium	85.6		0.7	0.33	mg/Kg	08/27/14	LK	SW6010
Beryllium	0.46		0.26	0.13	mg/Kg	08/27/14	LK	SW6010
Calcium	35000		33	30	mg/Kg	08/27/14	LK	SW6010
Cadmium	< 0.33	*	0.33	0.13	mg/Kg	08/27/14	LK	SW6010
Cobalt	5.10		0.33	0.33	mg/Kg	08/27/14	LK	SW6010
Chromium	14.6		0.33	0.33	mg/Kg	08/27/14	LK	SW6010
Copper	27.4		0.33	0.33	mg/kg	08/27/14	LK	SW6010
Iron	12900		33	33	mg/Kg	08/27/14	LK	SW6010
Mercury	0.28		0.06	0.04	mg/Kg	08/27/14	MA	SW-7471
Potassium	722	N	7	2.6	mg/Kg	08/27/14	LK	SW6010
Magnesium	3060		3.3	3.3	mg/Kg	08/27/14	LK	SW6010
Manganese	352	N	3.3	3.3	mg/Kg	08/27/14	LK	SW6010
Sodium	178	N	7	2.8	mg/Kg	08/27/14	LK	SW6010
Nickel	12.1		0.33	0.33	mg/Kg	08/27/14	LK	SW6010
Lead	120		0.7	0.33	mg/Kg	08/27/14	LK	SW6010
Antimony	< 1.6		1.6	1.6	mg/Kg	08/27/14	LK	SW6010
Selenium	< 1.3		1.3	1.1	mg/Kg	08/27/14	LK	SW6010
Thallium	< 1.3		1.3	1.3	mg/Kg	08/27/14	LK	SW6010
Vanadium	20.5		0.3	0.33	mg/Kg	08/27/14	LK	SW6010
Zinc	40.6	N	0.7	0.33	mg/Kg	08/27/14	LK	SW6010
Percent Solid	92				%	08/26/14	I	E160.3
Soil Extraction for PCB	Completed					08/26/14	BB	SW3545
Soil Extraction for Pesticide	Completed					08/26/14	BB	SW3545
Soil Extraction for SVOA	Completed					08/26/14	BJ/VH	SW3545
Mercury Digestion	Completed					08/27/14	I/I	SW7471

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B10 0-2 FT

Phoenix I.D.: BG99719

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				08/26/14	CB/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	36	36	ug/Kg	08/27/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	08/27/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	08/27/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	08/27/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	08/27/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	08/27/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	08/27/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	08/27/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	08/27/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	93			%	08/27/14	AW	30 - 150 %
% TCMX	67			%	08/27/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.6	2.6	ug/Kg	08/27/14	CE	SW8081
4,4' -DDE	5.1	2.6	2.6	ug/Kg	08/27/14	CE	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	08/27/14	CE	SW8081
a-BHC	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	08/27/14	CE	SW8081
b-BHC	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Chlordane	ND	36	36	ug/Kg	08/27/14	CE	SW8081
d-BHC	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	08/27/14	CE	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Endrin	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	08/27/14	CE	SW8081
g-BHC	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Heptachlor	ND	3.6	3.6	ug/Kg	08/27/14	CE	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	08/27/14	CE	SW8081
Methoxychlor	ND	7.1	7.1	ug/Kg	08/27/14	CE	SW8081
Toxaphene	ND	180	180	ug/Kg	08/27/14	CE	SW8081
QA/QC Surrogates							
% DCBP	82			%	08/27/14	CE	30 - 150 %
% TCMX	88			%	08/27/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.4	0.89	ug/Kg	08/27/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.4	1.1	ug/Kg	08/27/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	0.77	ug/Kg	08/27/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.4	0.53	ug/Kg	08/27/14	JLI	SW8260
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	08/27/14	JLI	SW8260
1,1-Dichloroethene	ND	5.4	1.2	ug/Kg	08/27/14	JLI	SW8260

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B10 0-2 FT

Phoenix I.D.: BG99719

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
1,2,3-Trichloropropane	ND		5.4	0.77	ug/Kg	08/27/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND		5.4	0.78	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.4	1.5	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dibromoethane	ND		5.4	1.4	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		5.4	0.60	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dichloroethane	ND		5.4	0.48	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dichloropropane	ND		5.4	0.77	ug/Kg	08/27/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND		5.4	0.72	ug/Kg	08/27/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		5.4	0.80	ug/Kg	08/27/14	JLI	SW8260	
1,3-Dichloropropane	ND		5.4	0.58	ug/Kg	08/27/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		5.4	0.86	ug/Kg	08/27/14	JLI	SW8260	
2,2-Dichloropropane	ND		5.4	0.91	ug/Kg	08/27/14	JLI	SW8260	
2-Chlorotoluene	ND		5.4	0.87	ug/Kg	08/27/14	JLI	SW8260	
2-Hexanone	ND		27	2.4	ug/Kg	08/27/14	JLI	SW8260	
2-Isopropyltoluene	ND		5.4	0.75	ug/Kg	08/27/14	JLI	SW8260	1
4-Chlorotoluene	ND		5.4	0.63	ug/Kg	08/27/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	08/27/14	JLI	SW8260	
Acetone	160	S	54	5.4	ug/Kg	08/27/14	JLI	SW8260	
Acrylonitrile	ND		11	3.1	ug/Kg	08/27/14	JLI	SW8260	
Benzene	ND		5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
Bromobenzene	ND		5.4	0.71	ug/Kg	08/27/14	JLI	SW8260	
Bromochloromethane	ND		5.4	0.79	ug/Kg	08/27/14	JLI	SW8260	
Bromodichloromethane	ND		5.4	0.67	ug/Kg	08/27/14	JLI	SW8260	
Bromoform	ND		5.4	0.76	ug/Kg	08/27/14	JLI	SW8260	
Bromomethane	ND		5.4	4.2	ug/Kg	08/27/14	JLI	SW8260	
Carbon Disulfide	ND		5.4	0.88	ug/Kg	08/27/14	JLI	SW8260	
Carbon tetrachloride	ND		5.4	0.63	ug/Kg	08/27/14	JLI	SW8260	
Chlorobenzene	ND		5.4	0.80	ug/Kg	08/27/14	JLI	SW8260	
Chloroethane	ND		5.4	1.3	ug/Kg	08/27/14	JLI	SW8260	
Chloroform	ND		5.4	0.99	ug/Kg	08/27/14	JLI	SW8260	
Chloromethane	ND		5.4	2.8	ug/Kg	08/27/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.4	1.2	ug/Kg	08/27/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.4	0.59	ug/Kg	08/27/14	JLI	SW8260	
Dibromochloromethane	ND		5.4	0.61	ug/Kg	08/27/14	JLI	SW8260	
Dibromomethane	ND		5.4	0.68	ug/Kg	08/27/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.4	1.4	ug/Kg	08/27/14	JLI	SW8260	
Ethylbenzene	ND		5.4	0.99	ug/Kg	08/27/14	JLI	SW8260	
Hexachlorobutadiene	ND		5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
Isopropylbenzene	ND		5.4	1.0	ug/Kg	08/27/14	JLI	SW8260	
m&p-Xylene	3.3	J	5.4	2.1	ug/Kg	08/27/14	JLI	SW8260	
Methyl Ethyl Ketone	10	J	33	4.7	ug/Kg	08/27/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	08/27/14	JLI	SW8260	
Methylene chloride	2.6	JS	5.4	0.89	ug/Kg	08/27/14	JLI	SW8260	B*
Naphthalene	ND		5.4	1.5	ug/Kg	08/27/14	JLI	SW8260	
n-Butylbenzene	ND		5.4	0.99	ug/Kg	08/27/14	JLI	SW8260	
n-Propylbenzene	ND		5.4	0.98	ug/Kg	08/27/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.4	2.1	ug/Kg	08/27/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.4	0.78	ug/Kg	08/27/14	JLI	SW8260	
sec-Butylbenzene	ND	5.4	1.0	ug/Kg	08/27/14	JLI	SW8260	
Styrene	ND	5.4	1.6	ug/Kg	08/27/14	JLI	SW8260	
tert-Butylbenzene	ND	5.4	0.87	ug/Kg	08/27/14	JLI	SW8260	
Tetrachloroethene	ND	5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11	4.9	ug/Kg	08/27/14	JLI	SW8260	1
Toluene	ND	5.4	0.86	ug/Kg	08/27/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.4	1.1	ug/Kg	08/27/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	08/27/14	JLI	SW8260	
Trichloroethene	ND	5.4	1.2	ug/Kg	08/27/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.4	1.2	ug/Kg	08/27/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.4	0.85	ug/Kg	08/27/14	JLI	SW8260	
Vinyl chloride	ND	5.4	1.8	ug/Kg	08/27/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	96			%	08/27/14	JLI	70 - 121 %	
% Bromofluorobenzene	92			%	08/27/14	JLI	59 - 113 %	
% Dibromofluoromethane	82			%	08/27/14	JLI	70 - 130 %	
% Toluene-d8	92			%	08/27/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	08/27/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	08/27/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	250	100	ug/Kg	08/27/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	08/27/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	250	110	ug/Kg	08/27/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	250	110	ug/Kg	08/27/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	08/27/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	250	110	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dichlorophenol	ND	250	130	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dimethylphenol	ND	250	88	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1800	250	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	250	140	ug/Kg	08/27/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	250	110	ug/Kg	08/27/14	DD	SW 8270	
2-Chloronaphthalene	ND	250	100	ug/Kg	08/27/14	DD	SW 8270	
2-Chlorophenol	ND	250	100	ug/Kg	08/27/14	DD	SW 8270	
2-Methylnaphthalene	ND	250	110	ug/Kg	08/27/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	08/27/14	DD	SW 8270	
2-Nitroaniline	ND	1800	360	ug/Kg	08/27/14	DD	SW 8270	
2-Nitrophenol	ND	250	230	ug/Kg	08/27/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	08/27/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	710	170	ug/Kg	08/27/14	DD	SW 8270	
3-Nitroaniline	ND	1800	770	ug/Kg	08/27/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1800	380	ug/Kg	08/27/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	08/27/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	08/27/14	DD	SW 8270	
4-Chloroaniline	ND	710	170	ug/Kg	08/27/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	08/27/14	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	08/27/14	DD	SW 8270	

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B10 0-2 FT

Phoenix I.D.: BG99719

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		1800	160	ug/Kg	08/27/14	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Acenaphthylene	ND		250	99	ug/Kg	08/27/14	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Aniline	ND		1800	720	ug/Kg	08/27/14	DD	SW 8270	
Anthracene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Benz(a)anthracene	160	J	250	120	ug/Kg	08/27/14	DD	SW 8270	
Benzidine	ND		710	210	ug/Kg	08/27/14	DD	SW 8270	
Benzo(a)pyrene	150	J	250	120	ug/Kg	08/27/14	DD	SW 8270	
Benzo(b)fluoranthene	230	J	250	120	ug/Kg	08/27/14	DD	SW 8270	
Benzo(ghi)perylene	120	J	250	120	ug/Kg	08/27/14	DD	SW 8270	
Benzo(k)fluoranthene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Benzoic acid	ND		1800	710	ug/Kg	08/27/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		250	92	ug/Kg	08/27/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	98	ug/Kg	08/27/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		250	96	ug/Kg	08/27/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	99	ug/Kg	08/27/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
Carbazole	ND		1800	270	ug/Kg	08/27/14	DD	SW 8270	
Chrysene	190	J	250	120	ug/Kg	08/27/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Dibenzofuran	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Di-n-butylphthalate	ND		250	94	ug/Kg	08/27/14	DD	SW 8270	
Di-n-octylphthalate	ND		250	92	ug/Kg	08/27/14	DD	SW 8270	
Fluoranthene	400		250	120	ug/Kg	08/27/14	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Hexachlorobenzene	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	08/27/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Hexachloroethane	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
Isophorone	ND		250	99	ug/Kg	08/27/14	DD	SW 8270	
Naphthalene	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
Nitrobenzene	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	08/27/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		250	120	ug/Kg	08/27/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		250	140	ug/Kg	08/27/14	DD	SW 8270	
Pentachloronitrobenzene	ND		250	130	ug/Kg	08/27/14	DD	SW 8270	
Pentachlorophenol	ND		250	130	ug/Kg	08/27/14	DD	SW 8270	
Phenanthrene	290		250	100	ug/Kg	08/27/14	DD	SW 8270	
Phenol	ND		250	110	ug/Kg	08/27/14	DD	SW 8270	
Pyrene	330		250	120	ug/Kg	08/27/14	DD	SW 8270	
Pyridine	ND		250	87	ug/Kg	08/27/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	55				%	08/27/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	64				%	08/27/14	DD	30 - 115 %	
% 2-Fluorophenol	47				%	08/27/14	DD	25 - 121 %	

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B10 0-2 FT

Phoenix I.D.: BG99719

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	52			%	08/27/14	DD	23 - 120 %
% Phenol-d5	55			%	08/27/14	DD	24 - 113 %
% Terphenyl-d14	67			%	08/27/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B* = Present in blank, a bias is possible.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY unrestricted soil criteria for chromium is based on hexavalent chromium and trivalent chromium.

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
September 03, 2014
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

September 03, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		08/26/14	14:10
Location Code:	EBC	Received by:	SW	08/26/14	16:31
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG99710
Phoenix ID: BG99720

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B10 12-14 FT

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.35		0.35	0.35	mg/Kg	08/27/14	LK	SW6010
Aluminum	7440		35	7.0	mg/Kg	08/27/14	LK	SW6010
Arsenic	0.9		0.7	0.70	mg/Kg	08/27/14	LK	SW6010
Barium	42.8		0.7	0.35	mg/Kg	08/27/14	LK	SW6010
Beryllium	0.36		0.28	0.14	mg/Kg	08/27/14	LK	SW6010
Calcium	15600		35	32	mg/Kg	08/27/14	LK	SW6010
Cadmium	< 0.35	*	0.35	0.14	mg/Kg	08/27/14	LK	SW6010
Cobalt	6.64		0.35	0.35	mg/Kg	08/27/14	LK	SW6010
Chromium	23.1		0.35	0.35	mg/Kg	08/27/14	LK	SW6010
Copper	18.1		0.35	0.35	mg/kg	08/27/14	LK	SW6010
Iron	17100		35	35	mg/Kg	08/27/14	LK	SW6010
Mercury	< 0.07		0.07	0.04	mg/Kg	08/27/14	MA	SW-7471
Potassium	1160	N	7	2.7	mg/Kg	08/27/14	LK	SW6010
Magnesium	2330		3.5	3.5	mg/Kg	08/27/14	LK	SW6010
Manganese	299	N	3.5	3.5	mg/Kg	08/27/14	LK	SW6010
Sodium	345	N	7	3.0	mg/Kg	08/27/14	LK	SW6010
Nickel	14.0		0.35	0.35	mg/Kg	08/27/14	LK	SW6010
Lead	14.2		0.7	0.35	mg/Kg	08/27/14	LK	SW6010
Antimony	< 1.8		1.8	1.8	mg/Kg	08/27/14	LK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	08/27/14	LK	SW6010
Thallium	< 1.4		1.4	1.4	mg/Kg	08/27/14	LK	SW6010
Vanadium	25.3		0.4	0.35	mg/Kg	08/27/14	LK	SW6010
Zinc	24.1	N	0.7	0.35	mg/Kg	08/27/14	LK	SW6010
Percent Solid	95				%	08/26/14	I	E160.3
Soil Extraction for PCB	Completed					08/26/14	BB	SW3545
Soil Extraction for Pesticide	Completed					08/26/14	BB	SW3545
Soil Extraction for SVOA	Completed					08/26/14	BJ/VH	SW3545
Mercury Digestion	Completed					08/27/14	I/I	SW7471

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B10 12-14 FT

Phoenix I.D.: BG99720

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				08/26/14	CB/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1221	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1232	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1242	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1248	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1254	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1260	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1262	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
PCB-1268	ND	35	35	ug/Kg	08/27/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	90			%	08/27/14	AW	30 - 150 %
% TCMX	60			%	08/27/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.5	2.5	ug/Kg	08/27/14	CE	SW8081
4,4' -DDE	ND	2.5	2.5	ug/Kg	08/27/14	CE	SW8081
4,4' -DDT	ND	2.5	2.5	ug/Kg	08/27/14	CE	SW8081
a-BHC	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Aldrin	ND	1.7	1.7	ug/Kg	08/27/14	CE	SW8081
b-BHC	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Chlordane	ND	35	35	ug/Kg	08/27/14	CE	SW8081
d-BHC	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Dieldrin	ND	1.7	1.7	ug/Kg	08/27/14	CE	SW8081
Endosulfan I	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Endosulfan II	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Endosulfan sulfate	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Endrin	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Endrin aldehyde	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Endrin ketone	ND	1.7	1.7	ug/Kg	08/27/14	CE	SW8081
g-BHC	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Heptachlor	ND	3.5	3.5	ug/Kg	08/27/14	CE	SW8081
Heptachlor epoxide	ND	1.7	1.7	ug/Kg	08/27/14	CE	SW8081
Methoxychlor	ND	6.9	6.9	ug/Kg	08/27/14	CE	SW8081
Toxaphene	ND	170	170	ug/Kg	08/27/14	CE	SW8081
QA/QC Surrogates							
% DCBP	87			%	08/27/14	CE	30 - 150 %
% TCMX	82			%	08/27/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.3	0.86	ug/Kg	08/27/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.3	1.1	ug/Kg	08/27/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.3	0.75	ug/Kg	08/27/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.3	0.52	ug/Kg	08/27/14	JLI	SW8260
1,1-Dichloroethane	ND	5.3	1.0	ug/Kg	08/27/14	JLI	SW8260
1,1-Dichloroethene	ND	5.3	1.1	ug/Kg	08/27/14	JLI	SW8260

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B10 12-14 FT

Phoenix I.D.: BG99720

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.3	1.0	ug/Kg	08/27/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		5.3	1.1	ug/Kg	08/27/14	JLI	SW8260	
1,2,3-Trichloropropane	ND		5.3	0.75	ug/Kg	08/27/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		5.3	1.1	ug/Kg	08/27/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND		5.3	0.76	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.3	1.4	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dibromoethane	ND		5.3	1.4	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		5.3	0.58	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dichloroethane	ND		5.3	0.46	ug/Kg	08/27/14	JLI	SW8260	
1,2-Dichloropropane	ND		5.3	0.75	ug/Kg	08/27/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND		5.3	0.69	ug/Kg	08/27/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		5.3	0.78	ug/Kg	08/27/14	JLI	SW8260	
1,3-Dichloropropane	ND		5.3	0.56	ug/Kg	08/27/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		5.3	0.83	ug/Kg	08/27/14	JLI	SW8260	
2,2-Dichloropropane	ND		5.3	0.88	ug/Kg	08/27/14	JLI	SW8260	
2-Chlorotoluene	ND		5.3	0.84	ug/Kg	08/27/14	JLI	SW8260	
2-Hexanone	ND		26	2.4	ug/Kg	08/27/14	JLI	SW8260	
2-Isopropyltoluene	ND		5.3	0.73	ug/Kg	08/27/14	JLI	SW8260	1
4-Chlorotoluene	ND		5.3	0.61	ug/Kg	08/27/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		26	1.3	ug/Kg	08/27/14	JLI	SW8260	
Acetone	51	JS	53	5.2	ug/Kg	08/27/14	JLI	SW8260	
Acrylonitrile	ND		11	3.0	ug/Kg	08/27/14	JLI	SW8260	
Benzene	ND		5.3	1.0	ug/Kg	08/27/14	JLI	SW8260	
Bromobenzene	ND		5.3	0.68	ug/Kg	08/27/14	JLI	SW8260	
Bromochloromethane	ND		5.3	0.77	ug/Kg	08/27/14	JLI	SW8260	
Bromodichloromethane	ND		5.3	0.65	ug/Kg	08/27/14	JLI	SW8260	
Bromoform	ND		5.3	0.74	ug/Kg	08/27/14	JLI	SW8260	
Bromomethane	ND		5.3	4.1	ug/Kg	08/27/14	JLI	SW8260	
Carbon Disulfide	ND		5.3	0.85	ug/Kg	08/27/14	JLI	SW8260	
Carbon tetrachloride	ND		5.3	0.61	ug/Kg	08/27/14	JLI	SW8260	
Chlorobenzene	ND		5.3	0.78	ug/Kg	08/27/14	JLI	SW8260	
Chloroethane	ND		5.3	1.2	ug/Kg	08/27/14	JLI	SW8260	
Chloroform	ND		5.3	0.96	ug/Kg	08/27/14	JLI	SW8260	
Chloromethane	ND		5.3	2.8	ug/Kg	08/27/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.3	1.1	ug/Kg	08/27/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.3	0.57	ug/Kg	08/27/14	JLI	SW8260	
Dibromochloromethane	ND		5.3	0.59	ug/Kg	08/27/14	JLI	SW8260	
Dibromomethane	ND		5.3	0.66	ug/Kg	08/27/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.3	1.4	ug/Kg	08/27/14	JLI	SW8260	
Ethylbenzene	ND		5.3	0.96	ug/Kg	08/27/14	JLI	SW8260	
Hexachlorobutadiene	ND		5.3	1.1	ug/Kg	08/27/14	JLI	SW8260	
Isopropylbenzene	ND		5.3	1.0	ug/Kg	08/27/14	JLI	SW8260	
m&p-Xylene	ND		5.3	2.1	ug/Kg	08/27/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		32	4.6	ug/Kg	08/27/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	08/27/14	JLI	SW8260	
Methylene chloride	2.6	JS	5.3	0.86	ug/Kg	08/27/14	JLI	SW8260	B*
Naphthalene	ND		5.3	1.4	ug/Kg	08/27/14	JLI	SW8260	
n-Butylbenzene	ND		5.3	0.96	ug/Kg	08/27/14	JLI	SW8260	
n-Propylbenzene	ND		5.3	0.95	ug/Kg	08/27/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.3	2.0	ug/Kg	08/27/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.3	0.76	ug/Kg	08/27/14	JLI	SW8260	
sec-Butylbenzene	ND	5.3	0.99	ug/Kg	08/27/14	JLI	SW8260	
Styrene	ND	5.3	1.5	ug/Kg	08/27/14	JLI	SW8260	
tert-Butylbenzene	ND	5.3	0.84	ug/Kg	08/27/14	JLI	SW8260	
Tetrachloroethene	ND	5.3	1.1	ug/Kg	08/27/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11	4.7	ug/Kg	08/27/14	JLI	SW8260	1
Toluene	ND	5.3	0.83	ug/Kg	08/27/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.3	1.1	ug/Kg	08/27/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.3	1.1	ug/Kg	08/27/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	11	9.8	ug/Kg	08/27/14	JLI	SW8260	
Trichloroethene	ND	5.3	1.1	ug/Kg	08/27/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.3	1.2	ug/Kg	08/27/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.3	0.82	ug/Kg	08/27/14	JLI	SW8260	
Vinyl chloride	ND	5.3	1.7	ug/Kg	08/27/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	08/27/14	JLI	70 - 121 %	
% Bromofluorobenzene	91			%	08/27/14	JLI	59 - 113 %	
% Dibromofluoromethane	97			%	08/27/14	JLI	70 - 130 %	
% Toluene-d8	93			%	08/27/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	08/27/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	240	100	ug/Kg	08/27/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	240	97	ug/Kg	08/27/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	240	100	ug/Kg	08/27/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	240	100	ug/Kg	08/27/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	08/27/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dichlorophenol	ND	240	120	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dimethylphenol	ND	240	86	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1700	240	ug/Kg	08/27/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	240	140	ug/Kg	08/27/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	240	110	ug/Kg	08/27/14	DD	SW 8270	
2-Chloronaphthalene	ND	240	98	ug/Kg	08/27/14	DD	SW 8270	
2-Chlorophenol	ND	240	98	ug/Kg	08/27/14	DD	SW 8270	
2-Methylnaphthalene	ND	240	100	ug/Kg	08/27/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	08/27/14	DD	SW 8270	
2-Nitroaniline	ND	1700	350	ug/Kg	08/27/14	DD	SW 8270	
2-Nitrophenol	ND	240	220	ug/Kg	08/27/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	08/27/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	690	160	ug/Kg	08/27/14	DD	SW 8270	
3-Nitroaniline	ND	1700	750	ug/Kg	08/27/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1700	370	ug/Kg	08/27/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	08/27/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	08/27/14	DD	SW 8270	
4-Chloroaniline	ND	690	160	ug/Kg	08/27/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	08/27/14	DD	SW 8270	
4-Nitroaniline	ND	1700	120	ug/Kg	08/27/14	DD	SW 8270	

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B10 12-14 FT

Phoenix I.D.: BG99720

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		1700	160	ug/Kg	08/27/14	DD	SW 8270	
Acenaphthene	ND		240	100	ug/Kg	08/27/14	DD	SW 8270	
Acenaphthylene	ND		240	97	ug/Kg	08/27/14	DD	SW 8270	
Acetophenone	ND		240	110	ug/Kg	08/27/14	DD	SW 8270	
Aniline	ND		1700	700	ug/Kg	08/27/14	DD	SW 8270	
Anthracene	ND		240	110	ug/Kg	08/27/14	DD	SW 8270	
Benz(a)anthracene	ND		240	120	ug/Kg	08/27/14	DD	SW 8270	
Benzidine	ND		690	200	ug/Kg	08/27/14	DD	SW 8270	
Benzo(a)pyrene	ND		240	110	ug/Kg	08/27/14	DD	SW 8270	
Benzo(b)fluoranthene	ND		240	120	ug/Kg	08/27/14	DD	SW 8270	
Benzo(ghi)perylene	ND		240	110	ug/Kg	08/27/14	DD	SW 8270	
Benzo(k)fluoranthene	ND		240	110	ug/Kg	08/27/14	DD	SW 8270	
Benzoic acid	ND		1700	690	ug/Kg	08/27/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		240	89	ug/Kg	08/27/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		240	95	ug/Kg	08/27/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		240	93	ug/Kg	08/27/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		240	96	ug/Kg	08/27/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		240	99	ug/Kg	08/27/14	DD	SW 8270	
Carbazole	ND		1700	260	ug/Kg	08/27/14	DD	SW 8270	
Chrysene	ND		240	120	ug/Kg	08/27/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		240	110	ug/Kg	08/27/14	DD	SW 8270	
Dibenzofuran	ND		240	100	ug/Kg	08/27/14	DD	SW 8270	
Diethyl phthalate	ND		240	110	ug/Kg	08/27/14	DD	SW 8270	
Dimethylphthalate	ND		240	110	ug/Kg	08/27/14	DD	SW 8270	
Di-n-butylphthalate	ND		240	92	ug/Kg	08/27/14	DD	SW 8270	
Di-n-octylphthalate	ND		240	89	ug/Kg	08/27/14	DD	SW 8270	
Fluoranthene	120	J	240	110	ug/Kg	08/27/14	DD	SW 8270	
Fluorene	ND		240	110	ug/Kg	08/27/14	DD	SW 8270	
Hexachlorobenzene	ND		240	100	ug/Kg	08/27/14	DD	SW 8270	
Hexachlorobutadiene	ND		240	120	ug/Kg	08/27/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		240	110	ug/Kg	08/27/14	DD	SW 8270	
Hexachloroethane	ND		240	100	ug/Kg	08/27/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		240	110	ug/Kg	08/27/14	DD	SW 8270	
Isophorone	ND		240	97	ug/Kg	08/27/14	DD	SW 8270	
Naphthalene	ND		240	99	ug/Kg	08/27/14	DD	SW 8270	
Nitrobenzene	ND		240	120	ug/Kg	08/27/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		240	97	ug/Kg	08/27/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		240	110	ug/Kg	08/27/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		240	130	ug/Kg	08/27/14	DD	SW 8270	
Pentachloronitrobenzene	ND		240	130	ug/Kg	08/27/14	DD	SW 8270	
Pentachlorophenol	ND		240	130	ug/Kg	08/27/14	DD	SW 8270	
Phenanthrene	120	J	240	99	ug/Kg	08/27/14	DD	SW 8270	
Phenol	ND		240	110	ug/Kg	08/27/14	DD	SW 8270	
Pyrene	ND		240	120	ug/Kg	08/27/14	DD	SW 8270	
Pyridine	ND		240	85	ug/Kg	08/27/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	55				%	08/27/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	66				%	08/27/14	DD	30 - 115 %	
% 2-Fluorophenol	54				%	08/27/14	DD	25 - 121 %	

Project ID: 1036 GREENE ST BROOKLYN
Client ID: B10 12-14 FT

Phoenix I.D.: BG99720

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	59			%	08/27/14	DD	23 - 120 %
% Phenol-d5	60			%	08/27/14	DD	24 - 113 %
% Terphenyl-d14	66			%	08/27/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B* = Present in blank, a bias is possible.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY unrestricted soil criteria for chromium is based on hexavalent chromium and trivalent chromium.

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
September 03, 2014
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Sample Criteria Exceedences Report

GBG99710 - EBC

Criteria: NY: 375, 375NR, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG99710	$8260-SMDPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	160	55	50	50	ug/Kg
BG99710	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	147	6.7	63	63	mg/Kg
BG99710	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	341	6.7	109	109	mg/Kg
BG99711	$8260-SMDPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	150	55	50	50	ug/Kg
BG99711	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	171	7.4	63	63	mg/Kg
BG99711	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	329	7.4	109	109	mg/Kg
BG99713	$8260-SMDPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	80	55	50	50	ug/Kg
BG99713	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.49	0.07	0.18	0.18	mg/Kg
BG99713	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	356	7.6	63	63	mg/Kg
BG99713	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	202	7.6	109	109	mg/Kg
BG99714	$8260-SMDPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	57	53	50	50	ug/Kg
BG99714	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	60.0	0.35	50	50	mg/kg
BG99715	$8260-SMDPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	56	54	50	50	ug/Kg
BG99715	$PESTSMDPR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	6.0	5	5	ug/Kg
BG99715	$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	4.0	3.3	3.3	ug/Kg
BG99715	$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	7.0	3.3	3.3	ug/Kg
BG99715	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.22	0.06	0.18	0.18	mg/Kg
BG99715	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	107	0.7	63	63	mg/Kg
BG99716	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	34.4	0.38	30		mg/Kg
BG99717	$8260-SMDPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	51	54	50	50	ug/Kg
BG99717	$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	10	2.5	3.3	3.3	ug/Kg
BG99717	$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	18	2.5	3.3	3.3	ug/Kg
BG99717	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	71.0	0.7	63	63	mg/Kg
BG99718	$8260-SMDPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	84	54	50	50	ug/Kg
BG99718	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	32.4	0.34	30		mg/Kg
BG99719	$8260-SMDPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	160	54	50	50	ug/Kg
BG99719	$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	5.1	2.6	3.3	3.3	ug/Kg
BG99719	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.28	0.06	0.18	0.18	mg/Kg
BG99719	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	120	0.7	63	63	mg/Kg
BG99720	$8260-SMDPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	51	53	50	50	ug/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY Temperature Narration

September 03, 2014

SDG I.D.: GBG99710

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

Cooler: Yes [X] No [ ]
Coolant: IPK [X] ICE [ ] No [ ]
Temp 4 °C Pg of

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

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Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
[ ] Fax:
[ ] Phone:
[X] Email: File

Customer: EBC
Address: Ridge NY

Project: [redacted] Brooklyn NY
Report to: 1036 Greene St
Invoice to:

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification
Sampler's Signature: [signature] Date: 8-26-14

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOC's	SVOC's	Pest/PCB's	TAL metals	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container (2) oz	GL Soil container (8) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
99710	B6 0-2'	S	8-26-14	10:30	X	X	X	X								1	1	
99711	B6 0-2' Duplicate			10:35	X	X	X	X								1	1	
99712	B6 12-14'			10:50	X	X	X	X								1	1	
99713	B7 0-2'			11:15	X	X	X	X								1	1	
99714	B7 12-14'			11:25	X	X	X	X								1	1	
99715	B8 0-2'			12:20	X	X	X	X								1	1	
99716	B8 12-14'			12:30	X	X	X	X								1	1	
99717	B9 0-2'			13:30	X	X	X	X								1	1	
99718	B9 12-14'			13:45	X	X	X	X								1	1	
99719	B10 0-2'			14:00	X	X	X	X								1	1	
99720	B10 12-14'			14:10	X	X	X	X								1	1	

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	8-26-14	10:48
[signature]	Caroline	8-26-14	1631

Comments, Special Requirements or Regulations:

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[X] 5 Days
[ ] 10 Days
[ ] Other
* SURCHARGE APPLIES

NJ
[ ] Res. Criteria
[ ] Non-Res. Criteria
[ ] Impact to GW Soil Cleanup Criteria
[ ] GW Criteria

NY
[ ] TAGM 4046 GW
[ ] TAGM 4046 SOIL
[X] NY375 Unrestricted Use Soil
[X] NY375 Residential Soil
[X] Restricted/Residential
[X] Commercial
[ ] Industrial

Data Format
[ ] Phoenix Std Report
[X] Excel
[X] PDF
[ ] GIS/Key
[X] EQuIS
[ ] NJ Hazsite EDD
[X] NY EZ EDD (ASP)
[ ] Other

Data Package
[ ] NJ Reduced Deliv. *
[X] NY Enhanced (ASP B) *
[ ] Other

State where samples were collected: NY