

**74 VERNON AVENUE
BROOKLYN, NEW YORK 11206**

Remedial Investigation Report

NYC VCP Site Number: TBD

OER Site Number: 15EHA149K

Prepared for:

Vernon & Marcy
320 Roebling Street. #106
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Prepared by:



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REMEDIAL INVESTIGATION REPORT

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LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
CAMP	Community Air Monitoring Plan
COC	Contaminant of Concern
CPP	Citizen Participation Plan
CSM	Conceptual Site Model
DER-10	New York State Department of Environmental Conservation Technical Guide 10
FID	Flame Ionization Detector
GPS	Global Positioning System
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IRM	Interim Remedial Measure
NAPL	Non-aqueous Phase Liquid
NYC VCP	New York City Voluntary Cleanup Program
NYC DOHMH	New York City Department of Health and Mental Hygiene
NYC OER	New York City Office of Environmental Remediation
NYS DOH ELAP	New York State Department of Health Environmental Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PID	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, Kevin Brussee, 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 74 Vernon Avenue, Brooklyn, NY, (NYC VCP Site No. TBD). 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.

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 74 Vernon Avenue in the Bedford Stuyvesant section of Brooklyn, New York, and is currently identified as Block 1759, Lot 7 on the New York City Tax Map. Figure 1 shows the Site location. Lot 7 is a rectangular shaped lot consisting of 100 feet of street frontage on Vernon Avenue and 50 feet of street frontage on Marcy Avenue for a total of approximately 5,000 ft². The Site is located on the south side of Vernon Avenue between Tompkins Avenue and Marcy Avenue and is bordered by Vernon Avenue to the north, is bordered by Marcy Avenue to the west, a two-story manufacturing building and a two-story residential 1 and 2 family building to the east, and a five-story residential multi-family walk up building to the south. A map of the site boundary is shown on Figure 2.

The entire footprint Lot 7 is currently developed with a single-story commercial building.

Summary of Proposed Redevelopment Plan

The development project consists of redeveloping the lot with a four (4) 4-story three (3) family dwelling buildings with the cellars and buildings covering a majority of the lot. The cellar level will consist of 3,800 ft² of accessory space for the residential tenants, as well as meter rooms, stairwell, and sprinkler rooms. Floors 1 through 4 consist of residential dwellings.

The buildings and cellars will cover a majority of the lot, leaving a 30 ft x 40 ft open (unexcavated) courtyard area at the rear of the property. Excavation for the cellar will extend at least 6 feet below grade. Therefore, an estimated 850 cubic yards (1,275 tons) of soil will require excavation for the new building's cellar. The water table is expected at approximately 30 feet below grade surface (bgs), and will therefore not be encountered during excavation.



Layout of the redevelopment plan for the cellar level, as well as the proposed building's front elevation drawing are presented in Figure 3. The current zoning designation is R7A with a C2-4 commercial overlay. The proposed use is consistent with existing zoning for the property.

Summary of Past Uses of Site and Areas of Concern

A Phase I screening was completed by EBC in 2014. The following Site history was established based on historic Sanborn maps and the City Directory:

74 Vernon - the Site was developed prior to 1887 with a large 1-2 story multi-family house and grounds set back from the street. The current building was constructed in 1931 and occupies the entire lot. The building has a long history of use as a supermarket or public market as shown on Sanborn maps from 1935 to 2007. City directory listings also show bakery, pharmacy, and a medical center listings through 2007. An iron works also appears in the directory listings in 1997, 2000, and 2005. A CO from 2002 lists the use as storage for a cellar, first floor, drug store, medical offices, and welding shop.

The property is not listed on any of the Federal, State or City (with exception of the E) environmental databases. There is no record of tanks being registered to the properties. It is likely that the historic use of 74 Vernon as an iron works was the reason for the Hazmat E assigned to the lot.

The properties were assigned E-designations (E-285) for Hazmat, Noise and Air during the Bedford Stuyvesant North rezoning action completed by the City in October 2012.

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

1. The presence of historic fill material to depths as great as 5 feet.

Summary of the Work Performed under the Remedial Investigation

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

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed seven soil borings across the Site, and collected 1 soil for chemical analysis from the soil borings to evaluate soil quality;



3. Installed 1 groundwater monitoring well throughout the Site and collected 1 groundwater sample and one duplicate groundwater sample for chemical analysis to evaluate groundwater quality; and
4. Installed five soil gas implants and collected five soil gas samples for chemical analysis.

Summary of Environmental Findings

1. The elevation of the Site is approximately 34 feet.
2. Depth to groundwater is estimated to be approximately 30 feet below sidewalk grade.
3. Groundwater flow is generally northwest.
4. Depth to bedrock is at the Site is greater than 100 feet.
5. The stratigraphy of the Site surrounding the existing foundation slab from the surface down consists of historic fill material to depths as great as 5 feet, underlain by native brown sand with rocks.
6. Soil/fill samples results were compared to NYSDEC Unrestricted Use Soil Cleanup Objectives and Restricted Residential Soil Cleanup Objectives as presented in 6NYCRR Part 375-6.8 and CP51. Soil/fill samples detected no VOCs, with the exception of acetone (maximum [max] of 33 µg/kg) and methylene chloride (max of 2.4 µg/kg), which were detected at trace amounts in 10 of the 12 soil samples. Four SVOCs, including benz(a)anthracene (max of 3,500 µg/kg), benzo(b)fluoranthene (max of 4,500 µg/kg), benzo(a)pyrene (3,500 µg/kg), and indeno(1,2,3-cd)pyrene (2,700 µg/kg), were detected above Restricted Residential Use SCOs within two of the seven shallow soil samples. One SVOC, chrysene (max of 3,700 µg/kg), was detected above Unrestricted Use SCOs within two of the seven shallow soil samples. All SVOCs in deeper soils were below Unrestricted Use SCOs. The pesticides 4,4'-DDE (max of 880 µg/kg), 4,4'-DDD (max of 69 µg/kg), 4,4'-DDT (max of 820 µg/kg), and dieldrin (56 µg/kg) were found in four of the shallow soil samples above Unrestricted Use SCOs. No PCBs were found in any of the twelve soil samples collected. One metal, lead (max of 406 mg/kg), exceeded Unrestricted Use SCOs within two shallow soil samples. Of these samples lead also exceeded Restricted Residential Use SCOs in one shallow soil sample. Overall, the soil results were consistent with data identified at sites with historic fill material in NYC.



7. 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 at detectable concentrations. One VOC, tetrachloroethene (13 $\mu\text{g/L}$), was detected above GQS. The following VOCs were detected at trace amounts; acetone (maximum of 4.3 $\mu\text{g/L}$), chloroform (1.1 $\mu\text{g/L}$), cis-1,2-Dichloroethene (0.64 $\mu\text{g/L}$), methylene chloride (0.69 $\mu\text{g/L}$), and trichloroethene (0.74 $\mu\text{g/L}$). No SVOCs, PCBs, or pesticides were detected above GQS in the groundwater sample. Several metals were identified, but only aluminum (0.87 mg/L), iron (1.72 mg/L), manganese (0.399 mg/L), and sodium (44 mg/L) exceeded their respective GQS in the groundwater sample.
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. Total concentrations of petroleum-related VOCs (BTEX) ranged from 20.31 $\mu\text{g/m}^3$ to 30.5 $\mu\text{g/m}^3$. The CVOC trichloroethylene (TCE) was detected in all five of the soil gas samples ranging in concentration from 4.67 g/m^3 to 14.4 g/m^3 . Tetrachloroethylene was detected in all five soil gas samples ranging in concentration from 65.1 g/m^3 to 220 g/m^3 . Carbon tetrachloride (maximum of 0.692 g/m^3) was detected within all five soil gas samples. The concentrations of all chlorinated compounds were below the monitoring level ranges established within the NYSDOH Final Guidance on Soil Vapor Intrusion.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

Vernon & Marcy LLC has applied to enroll in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 0.11-acre Site located at 74 Vernon Avenue in the Bedford Stuyvesant section of Brooklyn, New York. The Site will be redeveloped with a 4-story residential apartment building a cellar level occupying the entire footprint of the building. The portion of the RI work conducted on the Site was conducted in October 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 74 Vernon Avenue in the Bedford Stuyvesant section of Brooklyn, New York, and is currently identified as Block 1759, Lot 7 on the New York City Tax Map. Figure 1 shows the Site location. Lot 7 is a rectangular shaped lot consisting of 100 feet of street frontage on Vernon Avenue and 50 feet of street frontage on Marcy Avenue for a total of approximately 5,000 ft². The Site is located on the south side of Vernon Avenue between Marcy Avenue and Tompkins Avenue and is bordered by Myrtle Avenue to the north, is bordered by Marcy Avenue to the west, a two-story manufacturing building and a two-story residential 1 and 2 family building to the east, and a five-story residential multi-family walk up building to the south. A map of the site boundary is shown on Figure 2.

The entire footprint Lot 7 is currently developed with a single-story commercial building.

1.2 Proposed Redevelopment Plan

The development project consists of redeveloping the lot with a four (4) 4-story three (3) family dwelling buildings with the cellars and buildings covering a majority of the lot. The cellar level will consist of 3,800 ft² of accessory space for the residential tenants, as well as meter rooms, stairwell, and sprinkler rooms. The floors 1 through 5 consists of the residential dwellings.

The buildings and cellars will cover a majority of the lot, leaving a 30 ft x 40 ft open (unexcavated) courtyard area at the rear of the property. Excavation for the cellar will extend at least 10 feet below grade. Therefore, an estimated 850 cubic yards (1,275 tons) of soil will require excavation for the new building's cellar. The water table is expected at approximately 30 feet below grade surface (bgs), and will therefore not be encountered during excavation.

Layout of the redevelopment plans for the cellar level as well as the proposed building's front elevation drawing are presented in Figure 3. The current zoning designation is R7A with a C2-4 commercial overlay. The proposed use is consistent with existing zoning for the property.

1.3 Description of Surrounding Property

The area immediately surrounding Site consists of a three-story residential multi-family walk up and a four-story mixed residential and commercial building to the west beyond Marcy Avenue, residential streets consisting of a five-story multi-family walk up to the south, a three-story residential multi-family walk up to the North beyond Vernon Avenue, a two-story manufacturing/industrial building to the east. 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. A charter school facility is located within a 250 ft radius of the Site at 545 Vernon Avenue and three churches within a 500 ft radius of the Site at 592 Marcy Avenue, 50 Vernon Avenue, and 134 Vernon Avenue.

Surrounding Property Usage

Direction	Property Description
North – Opposite side of Vernon Avenue	<u>Block 1755, Lot 1</u> ó 595 Marcy Avenue A 1,250 ft ² lot developed as a three-story residential multi-family walk up
South – Adjacent Properties	<u>Block 1759 Lot 5</u> ó 601 Marcy Avenue A 5,000 ft ² lot developed as a five-story residential multi-family walk up
East – Adjacent Property	<u>Block 1759, Lot 19</u> ó 80 Vernon Avenue A 3,000 ft ² lot developed as a two-story manufacturing/industrial building.
West – Opposite side of Marcy Avenue	<u>Block 1758, Lot 46 & 47</u> ó 590 Marcy and 68 Vernon Avenue Two 1,750 ft ² lots, one developed as a three-story residential multi-family walk up, and the other developed as a four-story mixed use residential and commercial building.



2.0 SITE HISTORY

2.1 Past Uses and Ownership

A Phase I screening was completed by EBC in 2014. The following Site history was established based on historic Sanborn maps and the City Directory:

74 Vernon - the Site was developed prior to 1887 with a large 1-2 story multi-family house and grounds set back from the street. The current building was constructed in 1931 and occupies the entire lot. The building has a long history of use as a supermarket or public market as shown on Sanborn maps from 1935 through 2007. City directory listings also show bakery, pharmacy, and medical center listings through 2007. An iron works also appears in the directory listings in 1997, 2000, and 2005. A CO from 2002 lists the use as storage for a cellar, first floor, drug store, medical offices, and welding shop.

The property is not listed on any of the Federal, State or City (with exception of the E) environmental databases. There is no record of tanks being registered to the properties. It is likely that the historic use of 74 Vernon as an iron works was the reason for the Hazmat E assigned to the lot.

The properties were assigned E-designations (E-285) for Hazmat, Noise and Air during the Bedford Stuyvesant North rezoning action completed by the City in October 2012.

2.2 Previous Investigations

EBC conducted a Phase I Screening as well as a Phase II Subsurface Investigation on the Site.

2.3 Site Inspection

Mr. Reuben Levinton of EBC performed a site inspection on October 13, 2014, beginning at approximately 7:30 am. The reconnaissance included a visual inspection of the property, the property to the south consisted of a 5-story residential walk-up building. The Site consisted of a single-story commercial building. No evidence of an aboveground or underground storage tank was observed during the site inspection.

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 5 feet.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Charles Sosik.

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 August of 2014:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed seven soil borings across the Site, and collected 12 soil for chemical analysis from the soil borings to evaluate soil quality;
3. Installed 1 groundwater monitoring well throughout the Site and collected 1 groundwater sample and one duplicate groundwater sample for chemical analysis to evaluate groundwater quality; and
4. Installed five soil gas implants and collected five soil gas 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 October 13, 2014 and October 15, 2014, seven soil borings (B1 through B7) were installed in the approximate locations shown on Figure 5. The seven soil boring locations were chosen to gain representative soil quality information across the Site. For each of the seven soil borings, soil samples were collected continuously from grade to a final depth of 15 feet below existing grade 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. No PID readings above background concentrations were detected. From each soil boring, soil samples were retained for laboratory analysis from the intervals 0 to 2 feet below grade and 11 to 13 feet below grade. Two soil samples, B6 and B7, were collected at the 0 to 2 feet interval.

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

Groundwater Monitoring Well Construction

One temporary 1-inch diameter PVC monitoring well (MW1) with 10 feet of 0.010 slot screen was installed by EBC at the approximate location shown on Figure 5, set to intersect the water table. Since groundwater was encountered at approximately 30 feet below grade, the monitoring well was installed to a depth of 50 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

Twelve 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 twelve 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

One groundwater sample and one duplicate sample were collected for chemical analysis during this RI. Groundwater samples were collected from the monitoring well 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 Appendix C. Figure 5 shows the location of groundwater sampling. 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 approximate location of each of the soil vapor probes is shown on Figure 5. 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 installed on October 15, 2014, 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 bentonite slurry to the surface.

Soil vapor sampling for the five soil vapor probes was conducted on October 16, 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 four 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

(approximately 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: <ul style="list-style-type: none"> • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Soil vapor analytical methods: <ul style="list-style-type: none"> • 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 digital form 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 layer of historic fill material that extends to depths as great as 5 feet below grade in some areas, underlain by native brown sand with rocks.

Hydrogeology

A table of water level data for monitoring well MW1 is included in Table 1. The average depth to groundwater is 30 feet. Groundwater flow is generally northwest. Due to the numerous refusals encountered at the Site, EBC was unable to install a second and third monitoring well. Therefore, EBC was unable to survey the monitoring wells to determine groundwater flow direction.

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 shows the location and 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 VOCs, with the exception of acetone (maximum [max] of 33 µg/kg) and methylene chloride (max of 2.4 µg/kg), which were detected at trace amounts in 10 of the 12 soil samples. Four SVOCs, including benz(a)anthracene (max of 3,500 µg/kg), benzo(b)fluoranthene (max of 4,500 µg/kg), benzo(a)pyrene (3,500 µg/kg), and indeno(1,2,3-cd)pyrene (2,700 µg/kg), were detected above Restricted Residential Use SCOs within two of the seven shallow soil samples. One SVOC, chrysene (max of 3,700 µg/kg), was detected above Unrestricted Use SCOs within two of the seven shallow soil samples. All SVOCs in deeper soils were below Unrestricted Use SCOs. The pesticides 4,4'-DDE (max of 880 µg/kg), 4,4-øDDD (max of 69 µg/kg), 4,4-øDDT (max of 820 µg/kg), and dieldrin (56 µg/kg) were found in four of the shallow soil samples above Unrestricted Use SCOs. No PCBs were found in any of the



twelve soil samples collected. One metal, lead (max of 406 mg/kg), exceeded Unrestricted Use SCOs within two shallow soil samples. Of these samples lead also exceeded Restricted Residential Use SCOs in one shallow soil sample. 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 at detectable concentrations. One VOC, tetrachloroethene (13 µg/L), was detected above GQS. The following VOCs were detected at trace amounts; acetone (maximum of 4.3 µg/L), chloroform (1.1 µg/L), cis-1,2-Dichloroethene (0.64 µg/L), methylene chloride (0.69 µg/L), and trichloroethene (0.74 µg/L). No SVOCs, PCBs, or pesticides were detected above GQS in the groundwater sample. Several metals were identified, but only aluminum (0.87 mg/L), iron (1.72 mg/L), manganese (0.399 mg/L), and sodium (44 mg/L) exceeded their respective GQS in the groundwater sample.

5.4 Soil Vapor Chemistry

Data collected during the RI indicated total concentrations of petroleum-related VOCs (BTEX) ranged from 20.31 µg/m³ to 30.5 µg/m³. The CVOC trichloroethylene (TCE) was detected in all five of the soil gas samples ranging in concentration from 4.67 g/m³ to 14.4 g/m³. Tetrachloroethylene was detected in all five soil gas samples ranging in concentration from 65.1 g/m³ to 220 g/m³. Carbon tetrachloride (maximum of 0.692 g/m³) was detected within all five soil gas samples. The concentrations of all chlorinated compounds were below the monitoring level ranges established within the NYSDOH Final Guidance on Soil Vapor Intrusion.

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
 74 Vernon Avenue,
 Brooklyn, NY
 Soil Boring / Well Information

SAMPLE ID	Date	Total Depth (ft)	Diameter (in)	Construction Materials	Screen Length (ft)	DTW (ft)
SB1	10/15/2014	15	2	Geoprobe	-	-
SB2	10/15/2014	14	2	Geoprobe	-	-
SB3	10/13/2014	15	2	Geoprobe	-	-
SB4	10/15/2014	14	2	Geoprobe	-	-
SB5	10/13/2014	15	2	Geoprobe	-	-
SB6	10/13/2014	2	2	Hand Auger		
SB7	10/13/2014	2	2	Hand Auger		
MW1	10/16/2014	50	1	PVC	10.00	33.00

TABLE 2
74 Vernon 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				B3				B4				B5				B6		B7	
			(0-2)		(11-12)		(0-2)		(9-11)		(0-2)		(11-13)		(0-2)		(11-13)		(0-2)		(11-13)		(0-2)	
			10/15/2014		10/15/2014		10/15/2014		10/15/2014		10/13/2014		10/13/2014		10/15/2014		10/15/2014		10/13/2014		10/13/2014		10/13/2014	
			Result	RL																				
1,1,1,2-Tetrachloroethane			<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
1,1,1-Trichloroethane	680	100,000	<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
1,1,2,2-Tetrachloroethane			<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
1,1,2-Trichloroethane			<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
1,1-Dichloroethane	270	26,000	<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
1,1-Dichloroethene	330	100,000	<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
1,1-Dichloropropene			<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
1,2,3-Trichlorobenzene			<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
1,2,3-Trichloropropane			<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
1,2,4-Trichlorobenzene			<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
1,2,4-Trimethylbenzene	3,600	52,000	<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
1,2-Dibromo-3-chloropropane			<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
1,2-Dibromomethane			<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
1,2-Dichlorobenzene	1,100	100,000	<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
1,2-Dichloroethane	20	3,100	<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
1,2-Dichloropropane			<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
1,3,5-Trimethylbenzene	8,400	52,000	<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
1,3-Dichlorobenzene	2,400	4,900	<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
1,3-Dichloropropane			<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
1,4-Dichlorobenzene	1,800	13,000	<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
2,2-Dichloropropane			<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
2-Chlorotoluene			<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
2-Hexanone (Methyl Butyl Ketone)			<32	32	<32	32	<42	42	<51	51	<56	56	<47	47	<46	46	<40	40	<39	39	<37	37	<32	32
2-Isopropyltoluene			<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
4-Chlorotoluene			<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
4-Methyl-2-Pentanone			<32	32	<32	32	<42	42	<51	51	<56	56	<47	47	<46	46	<40	40	<39	39	<37	37	<32	32
Acetone	50	100,000	12	50	<10	50	9.4	50	<50	50	33	50	11	50	23	50	9.3	50	23	50	10	50	20	50
Acrylonitrile			<13	13	<13	13	<17	17	<20	20	<22	22	<19	19	<18	18	<16	16	<15	15	<13	13	<15	15
Benzene	60	4,800	<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
Bromobenzene			<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
Bromochloromethane			<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
Bromodichloromethane			<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
Bromoform			<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
Bromomethane			<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
Carbon Disulfide			<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
Carbon tetrachloride	780	2,400	<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
Chlorobenzene	1,100	100,000	<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
Chloroethane			<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
Chloroform	370	49,000	<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
Chloromethane			<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
cis-1,2-Dichloroethene	250	100,000	<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
cis-1,3-Dichloropropane			<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
Dibromochloromethane			<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
Dibromomethane			<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
Dichlorodifluoromethane			<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9	<0.9	0.9	<0.3	0.3	<0.0	0.0
Ethylbenzene	1,000	41,000	<0.5	0.5	<0.4	0.4	<0.4	0.4	<1.0	1.0	<1.1	1.1	<0.4	0.4	<0.2	0.2	<0.9	0.9						

TABLE 3
74 Vernon 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		B3		B4		B5		B6		B7																	
			(0-2)		(11-13)		(0-2)		(11-13)		(0-2)		(11-13)		(0-2)		(0-2)															
			10/15/2014		10/15/2014		10/15/2014		10/15/2014		10/15/2014		10/13/2014		10/13/2014		10/13/2014		10/13/2014													
			Result	RL	Result	RL	Result	RL	Result	RL																						
1,2,4,5-Tetrachlorobenzene			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250														
1,2,4-Trichlorobenzene			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250														
1,2-Dichlorobenzene			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250														
1,2-Diphenylhydrazine			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250														
1,3-Dichlorobenzene			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250														
1,4-Dichlorobenzene			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250														
2,4,5-Trichlorophenol			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250														
2,4,6-Trichlorophenol			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250														
2,4-Dichlorophenol			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250														
2,4-Dimethylphenol			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250														
2,4-Dinitrophenol			< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800														
2,4-Dinitrotoluene			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250														
2,6-Dinitrotoluene			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250														
2-Chloronaphthalene			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250														
2-Chlorophenol			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250														
2-Methylnaphthalene			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250														
2-Methylphenol (o-cresol)	330	100,000	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250														
2-Nitroaniline			< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800														
2-Nitrophenol			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250														
3,4-Methylphenol (m,p-cresol)	330	100,000	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250														
3,3'-Dichlorobenzidine			< 710	710	< 680	680	< 710	710	< 710	710	< 710	710	< 710	710	< 710	710	< 710	710														
3-Nitroaniline			< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800														
4,6-Dinitro-2-methylphenol			< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800														
4-Bromophenyl phenyl ether			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250														
4-Chloro-3-methylphenol			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250														
4-Chloroaniline			< 710	710	< 680	680	< 710	710	< 710	710	< 710	710	< 710	710	< 710	710	< 710	710														
4-Chlorophenyl phenyl ether			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250														
4-Nitroaniline			< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800														
4-Nitrophenol			< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800														
Acenaphthene	20,000	100,000	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250														
Acenaphthylene	100,000	100,000	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	670	< 250	250													
Acetophenone			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250														
Aniline			< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800														
Anthracene	100,000	100,000	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	790	< 250	250													
Benz(a)anthracene	1,000	1,000	210	250	< 240	240	130	250	< 250	250	340	250	< 240	240	1,800	2,500	< 250	250	3,500	250	210	250										
Benzo(a)pyrene	1,000	1,000	180	250	< 240	240	280	250	< 240	240	280	250	< 240	240	1,300	2,500	< 250	250	4,500	250	180	250										
Benzo(b)fluoranthene	1,000	1,000	240	250	< 240	240	330	250	< 240	240	330	250	< 240	240	2,500	2,500	< 250	250	4,500	250	220	250										
Benzo(ghi)perylene	100,000	100,000	130	250	< 240	240	180	250	< 240	240	180	250	< 240	240	2,500	2,500	< 250	250	3,400	250	130	250										
Benzo(k)fluoranthene	800	3,900	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250										
Benzoic acid			< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800										
Benzyl butyl phthalate			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	12,000	1,300	< 240	240	130	250	< 240	240	74,000	12,000	< 240	240	< 250	250
Bis(2-chloroethoxy)methane			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250		
Bis(2-chloroethyl)ether			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250		
Bis(2-chloroisopropyl)ether			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250		
Bis(2-ethylhexyl)phthalate			< 250	250	< 240	240	140	250	< 240	240	890	250	< 240	240	230	250	< 240	240	7,900	2,500	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250		
Carbazole			< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800		
Chrysene	1,000	3,900	250	250	< 240	240	160	250	< 240	240	420	250	< 240	240	2,200	2,500	< 250	250	3,700	2,500	< 250	250	< 250	250	230	250	230	250	< 250	250		
Dibenz(a,h)anthracene	330	330	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250		
Dibenzofuran	7,000	59,000	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250		
Diethyl phthalate			< 2																													

TABLE 4
74 Vernon 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*	B1				B2				B3				B4				B5				B6		B7		
			(0-2) 10/15/2014 µg/Kg		(11-13) 10/15/2014 µg/Kg		(0-2) 10/15/2014 µg/Kg		(11-13) 10/15/2014 µg/Kg		(0-2) 10/13/2014 µg/Kg		(11-13) 10/13/2014 µg/Kg		(0-2) 10/15/2014 µg/Kg		(11-13) 10/15/2014 µg/Kg		(0-2) 10/13/2014 µg/Kg		(11-13) 10/13/2014 µg/Kg		(0-2) 10/13/2014 µg/Kg		(0-2) 10/13/2014 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
Pesticides	4,4'-DDD	3.3	13,000	<2.2	2.2	<2.0	2	<2.1	2.1	<2.1	2.1	69	22	<2.0	2	<2.1	2.1	<2.0	2	17	2.1	<2.1	2.1	<2.1	2.1	<2.1	2.1
	4,4'-DDE	3.3	8,900	<2.2	2.2	<2.0	2	<2.1	2.1	<2.1	2.1	880	110	<2.0	2	28	2.1	<2.0	2	<2.1	2.1	<2.1	2.1	<2.1	2.1	<2.1	2.1
	4,4'-DDT	3.3	7,900	<2.2	2.2	<2.0	2	<2.1	2.1	<2.1	2.1	820	110	<2.0	2	72	4.3	<2.0	2	290	2.1	<2.1	2.1	4.5	2.1	3.5	2.1
	a-BHC	20	480	<7.3	7.3	<6.8	6.8	<7.2	7.2	<7.0	7	<7.2	7.2	<6.8	6.8	<7.1	7.1	<6.8	6.8	<6.9	6.9	<7.1	7.1	<7.0	7	<7.1	7.1
	a-Chlordane	94	4,200	<3.6	3.6	<3.4	3.4	<3.6	3.6	<3.5	3.5	<3.6	3.6	<3.4	3.4	<3.6	3.6	<3.4	3.4	<3.5	3.5	<3.6	3.6	<3.5	3.5	<3.5	3.5
	Aldrin	5	97	<3.6	3.6	<3.4	3.4	<3.6	3.6	<3.5	3.5	<3.6	3.6	<3.4	3.4	<3.6	3.6	<3.4	3.4	<3.5	3.5	<3.6	3.6	<3.5	3.5	<3.5	3.5
	b-BHC	36	360	<7.3	7.3	<6.8	6.8	<7.2	7.2	<7.0	7	<7.2	7.2	<6.8	6.8	<7.1	7.1	<6.8	6.8	<6.9	6.9	<7.1	7.1	<7.0	7	<7.1	7.1
	Chlordane	94	4,200	<3.6	3.6	<3.4	3.4	<3.6	3.6	<3.5	3.5	<3.6	3.6	<3.4	3.4	<3.6	3.6	<3.4	3.4	<3.5	3.5	<3.6	3.6	<3.5	3.5	<3.5	3.5
	d-BHC	40	100,000	<7.3	7.3	<6.8	6.8	<7.2	7.2	<7.0	7	<7.2	7.2	<6.8	6.8	<7.1	7.1	<6.8	6.8	<6.9	6.9	<7.1	7.1	<7.0	7	<7.1	7.1
	Dieldrin	5	200	<3.6	3.6	<3.4	3.4	<3.6	3.6	<3.5	3.5	56	3.2	<3.4	3.4	<3.6	3.6	<3.4	3.4	<3.5	3.5	<3.6	3.6	<3.5	3.5	<3.5	3.5
	Endosulfan I	2,400	24,000	<7.3	7.3	<6.8	6.8	<7.2	7.2	<7.0	7	<7.2	7.2	<6.8	6.8	<7.1	7.1	<6.8	6.8	<6.9	6.9	<7.1	7.1	<7.0	7	<7.1	7.1
	Endosulfan II	2,400	24,000	<7.3	7.3	<6.8	6.8	<7.2	7.2	<7.0	7	<7.2	7.2	<6.8	6.8	<7.1	7.1	<6.8	6.8	<6.9	6.9	<7.1	7.1	<7.0	7	<7.1	7.1
	Endosulfan sulfate	2,400	24,000	<7.3	7.3	<6.8	6.8	<7.2	7.2	<7.0	7	<7.2	7.2	<6.8	6.8	<7.1	7.1	<6.8	6.8	<6.9	6.9	<7.1	7.1	<7.0	7	<7.1	7.1
	Endrin	14	11,000	<7.3	7.3	<6.8	6.8	<7.2	7.2	<7.0	7	<7.2	7.2	<6.8	6.8	<7.1	7.1	<6.8	6.8	<6.9	6.9	<7.1	7.1	<7.0	7	<7.1	7.1
	Endrin aldehyde			<7.3	7.3	<6.8	6.8	<7.2	7.2	<7.0	7	<7.2	7.2	<6.8	6.8	<7.1	7.1	<6.8	6.8	<6.9	6.9	<7.1	7.1	<7.0	7	<7.1	7.1
	Endrin ketone			<7.3	7.3	<6.8	6.8	<7.2	7.2	<7.0	7	<7.2	7.2	<6.8	6.8	<7.1	7.1	<6.8	6.8	<6.9	6.9	<7.1	7.1	<7.0	7	<7.1	7.1
	g-BHC			<1.5	1.5	<1.4	1.4	<1.4	1.4	<1.4	1.4	<1.4	1.4	<1.4	1.4	<1.4	1.4	<1.4	1.4	<1.4	1.4	<1.4	1.4	<1.4	1.4	<1.4	1.4
	g-Chlordane			<3.6	3.6	<3.4	3.4	<3.6	3.6	<3.5	3.5	<3.6	3.6	<3.4	3.4	<3.6	3.6	<3.4	3.4	<3.5	3.5	<3.6	3.6	<3.5	3.5	<3.5	3.5
	Heptachlor	42	2,100	<7.3	7.3	<6.8	6.8	<7.2	7.2	<7.0	7	<7.2	7.2	<6.8	6.8	<7.1	7.1	<6.8	6.8	<6.9	6.9	<7.1	7.1	<7.0	7	<7.1	7.1
	Heptachlor epoxide			<7.3	7.3	<6.8	6.8	<7.2	7.2	<7.0	7	<7.2	7.2	<6.8	6.8	<7.1	7.1	<6.8	6.8	<6.9	6.9	<7.1	7.1	<7.0	7	<7.1	7.1
Methoxychlor			<36	36	<34	34	<36	36	<35	35	<36	36	<34	34	<36	36	<34	34	<35	35	<36	36	<35	35	<35	35	
Toxaphene			<150	150	<140	140	<140	140	<140	140	<140	140	<140	140	<140	140	<140	140	<140	140	<140	140	<140	140	<140	140	
PCBs	PCB-1016	100	1,000	<36	36	<34	34	<36	36	<35	35	<36	36	<34	34	<36	36	<34	34	<35	35	<36	36	<35	35	<35	35
	PCB-1221	100	1,000	<36	36	<34	34	<36	36	<35	35	<36	36	<34	34	<36	36	<34	34	<35	35	<36	36	<35	35	<35	35
	PCB-1232	100	1,000	<36	36	<34	34	<36	36	<35	35	<36	36	<34	34	<36	36	<34	34	<35	35	<36	36	<35	35	<35	35
	PCB-1242	100	1,000	<36	36	<34	34	<36	36	<35	35	<36	36	<34	34	<36	36	<34	34	<35	35	<36	36	<35	35	<35	35
	PCB-1248	100	1,000	<36	36	<34	34	<36	36	<35	35	<36	36	<34	34	<36	36	<34	34	<35	35	<36	36	<35	35	<35	35
	PCB-1254	100	1,000	<36	36	<34	34	<36	36	<35	35	<36	36	<34	34	<36	36	<34	34	<35	35	<36	36	<35	35	<35	35
	PCB-1260	100	1,000	<36	36	<34	34	<36	36	<35	35	<36	36	<34	34	<36	36	<34	34	<35	35	<36	36	<35	35	<35	35
	PCB-1262	100	1,000	<36	36	<34	34	<36	36	<35	35	<36	36	<34	34	<36	36	<34	34	<35	35	<36	36	<35	35	<35	35
PCB-1268	100	1,000	<36	36	<34	34	<36	36	<35	35	<36	36	<34	34	<36	36	<34	34	<35	35	<36	36	<35	35	<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 RRSO Guidance Value

TABLE 5
74 Vernon 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*	B1				B2				B3				B4				B5				B6		B7			
			(0-2') 10/15/2014 mg/Kg		(11-13') 10/15/2014 mg/Kg		(0-2') 10/15/2014 mg/Kg		(11-13') 10/15/2014 mg/Kg		(0-2') 10/13/2014 mg/Kg		(11-13') 10/13/2014 mg/Kg		(0-2') 10/15/2014 mg/Kg		(11-13') 10/15/2014 mg/Kg		(0-2') 10/13/2014 mg/Kg		(11-13') 10/13/2014 mg/Kg		(0-2') 10/13/2014 mg/Kg		(0-2') 10/13/2014 mg/Kg			
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL																
Aluminum			8,920	33	2,700	36	9,260	34	5,900	35	7,020	37	2,560	32	7,920	33	4,750	32	8,130	32	3,810	35	7,020	37	8,310	36		
Antimony			<1.7	1.7	<1.8	1.8	<1.7	1.7	<1.8	1.8	<1.8	1.8	<1.6	1.6	<1.7	1.7	<1.6	1.6	<1.6	1.6	<1.8	1.8	<1.8	1.8	<1.8	1.8		
Arsenic	13	16	3.1	0.7	0.8	0.7	2.1	0.7	1.9	0.7	3.1	0.7	1.1	0.6	2.7	0.7	1.4	0.6	4.7	0.6	0.9	0.7	2.3	0.7	2.2	0.7		
Barium	350	350	55.5	0.7	16.2	0.7	45.3	0.7	33.1	0.7	46.7	0.7	20	0.6	43.5	0.7	31.3	0.6	60.5	0.6	21.4	0.7	44	0.7	50.6	0.7		
Beryllium	7.2	14	0.47	0.26	0.19	0.29	0.49	0.28	0.4	0.28	0.37	0.29	0.23	0.26	0.39	0.27	0.35	0.25	0.4	0.25	0.24	0.28	0.38	0.29	0.39	0.29		
Cadmium	2.5	2.5	<0.33	0.33	<0.36	0.36	<0.34	0.34	<0.35	0.35	0.2	0.37	<0.32	0.32	<0.33	0.33	<0.32	0.32	0.2	0.32	<0.35	0.35	<0.37	0.37	<0.36	0.36		
Calcium			12,400	33	784	3.6	23,500	34	700	3.5	6,430	3.7	858	3.2	11,200	33	1,060	3.2	12,800	32	1,100	3.5	8,690	3.7	4,650	3.6		
Chromium	30	180	16.3	0.33	7.33	0.36	17.3	0.34	18.2	0.35	13.6	0.37	7.35	0.32	16.9	0.33	13	0.32	19.5	0.32	10.7	0.35	17.4	0.37	19.7	0.36		
Cobalt			7.1	0.33	2.97	0.36	6.93	0.34	6.41	0.35	5.88	0.37	5.28	0.32	6.36	0.33	5.97	0.32	6.29	0.32	3.93	0.35	5.87	0.37	7.95	0.36		
Copper	50	270	17.7	0.33	6.94	0.36	16.5	0.34	11.5	0.35	15.7	0.37	13	0.32	13.7	0.33	13.5	0.32	26.8	0.32	11	0.35	12.4	0.37	17.4	0.36		
Iron			17,600	33	7,320	3.6	16,200	34	15,200	35	15,000	37	9,210	32	16,500	33	9,300	32	16,700	32	9,110	35	14,500	37	20,100	36		
Lead	63	400	406	6.6	2.6	0.7	8.5	0.7	3.9	0.7	52.3	0.7	3.1	0.6	10	0.7	6.2	0.6	65.3	0.6	3	0.7	16.6	0.7	9.9	0.7		
Magnesium			2,450	3.3	1,190	3.6	3,030	3.4	1,700	3.5	1,950	3.7	1,140	3.2	2,380	3.3	2,650	3.2	3,160	3.2	1,370	3.5	2,210	3.7	3,830	3.6		
Manganese	1,600	2,000	347	3.3	184	3.6	520	3.4	461	3.5	321	3.7	307	3.2	325	3.3	338	3.2	262	3.2	209	3.5	307	3.7	355	3.6		
Mercury	0.18	0.81	0.07	0.08	<0.06	0.06	<0.09	0.09	<0.09	0.09	0.08	0.07	<0.07	0.07	<0.07	0.07	<0.06	0.06	0.16	0.06	<0.07	0.07	<0.07	0.07	<0.06	0.06		
Nickel	30	140	13.9	0.33	6.98	0.36	16.8	0.34	9.88	0.35	11.7	0.37	7.04	0.32	15.4	0.33	27.5	0.32	17.3	0.32	8.24	0.35	17.2	0.37	15.7	0.36		
Potassium			1,040	7	453	7	1,560	7	939	7	1,070	7	477	6	1,020	7	1,270	6	1,240	6	621	7	1,180	7	2,970	7		
Selenium	3.9	36	<1.3	1.3	<1.4	1.4	<1.4	1.4	<1.4	1.4	<1.5	1.5	<1.3	1.3	<1.3	1.3	<1.3	1.3	<1.3	1.3	<1.4	1.4	<1.5	1.5	<1.4	1.4		
Silver	2	36	<0.33	0.33	<0.36	0.36	<0.34	0.34	<0.35	0.35	<0.37	0.37	<0.32	0.32	<0.33	0.33	<0.32	0.32	<0.32	0.32	<0.35	0.35	<0.37	0.37	<0.36	0.36		
Sodium			107	7	85	7	566	7	71	7	290	7	74	6	223	7	142	6	351	6	111	7	217	7	374	7		
Thallium			<1.3	1.3	<1.4	1.4	<1.4	1.4	<1.4	1.4	<1.5	1.5	<1.3	1.3	<1.3	1.3	<1.3	1.3	<1.3	1.3	<1.4	1.4	<1.5	1.5	<1.4	1.4		
Vanadium			26.5	0.3	9.6	0.4	24.4	0.3	21.8	0.4	23	0.4	12.1	0.3	23.5	0.3	17.1	0.3	23.2	0.3	17.6	0.4	22.2	0.4	33.9	0.4		
Zinc	109	2,200	87.2	0.7	12	0.7	33	0.7	19.9	0.7	43.2	0.7	14.2	0.6	31.9	0.7	24	0.6	62.7	0.6	14	0.7	24.6	0.7	28.5	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
74 Vernon Avenue
Brooklyn, New York
Ground Water Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards µg/L	MW1		Trip Blank	
		µg/L		µg/L	
		Results	RL	Results	RL
1,1,1,2-Tetrachloroethane	5	<1.0	1	<1.0	1
1,1,1-Trichloroethane	5	<5.0	5	<5.0	5
1,1,2,2-Tetrachloroethane	5	<1.0	1	<1.0	1
1,1,2-Trichloroethane	1	<1.0	1	<1.0	1
1,1-Dichloroethane	5	<5.0	5	<5.0	5
1,1-Dichloroethene	5	<1.0	1	<1.0	1
1,1-Dichloropropene		<1.0	1	<1.0	1
1,2,3-Trichlorobenzene		<1.0	1	<1.0	1
1,2,3-Trichloropropane	0.04	<1.0	1	<1.0	1
1,2,4-Trichlorobenzene		<1.0	1	<1.0	1
1,2,4-Trimethylbenzene	5	<1.0	1	<1.0	1
1,2-Dibromo-3-chloropropane	0.04	<1.0	1	<1.0	1
1,2-Dibromoethane		<1.0	1	<1.0	1
1,2-Dichlorobenzene	5	<1.0	1	<1.0	1
1,2-Dichloroethane	0.6	<0.60	0.6	<0.60	0.6
1,2-Dichloropropane	0.94	<1.0	1	<1.0	1
1,3,5-Trimethylbenzene	5	<1.0	1	<1.0	1
1,3-Dichlorobenzene		<1.0	1	<1.0	1
1,3-Dichloropropane	5	<1.0	1	<1.0	1
1,4-Dichlorobenzene	5	<1.0	1	<1.0	1
2,2-Dichloropropane	5	<1.0	1	<1.0	1
2-Chlorotoluene	5	<1.0	1	<1.0	1
2-Hexanone (Methyl Butyl Ketone)		<1.0	1	<1.0	1
2-Isopropyltoluene	5	<1.0	1	<1.0	1
4-Chlorotoluene	5	<1.0	1	<1.0	1
4-Methyl-2-Pentanone		<1.0	1	<1.0	1
Acetone		4.3	5	2.1	5
Acrolein		<5.0	5	<5.0	5
Acrylonitrile	5	<5.0	5	<5.0	5
Benzene	1	<0.70	0.7	<0.70	0.7
Bromobenzene	5	<1.0	1	<1.0	1
Bromochloromethane	5	<1.0	1	<1.0	1
Bromodichloromethane		<1.0	1	<1.0	1
Bromoform		<5.0	5	<5.0	5
Bromomethane	5	<5.0	5	<5.0	5
Carbon Disulfide	60	<1.0	1	<1.0	1
Carbon tetrachloride	5	<1.0	1	<1.0	1
Chlorobenzene	5	<5.0	5	<5.0	5
Chloroethane	5	<5.0	5	<5.0	5
Chloroform	7	1.1	5	<5.0	5
Chloromethane	60	<5.0	5	<5.0	5
cis-1,2-Dichloroethene	5	0.64	1	<1.0	1
cis-1,3-Dichloropropene		<0.40	0.4	<0.40	0.4
Dibromochloromethane		<1.0	1	<1.0	1
Dibromomethane	5	<1.0	1	<1.0	1
Dichlorodifluoromethane	5	<1.0	1	<1.0	1
Ethylbenzene	5	<1.0	1	<1.0	1
Hexachlorobutadiene	0.5	<0.5	0.5	<0.5	0.5
Isopropylbenzene	5	<1.0	1	<1.0	1
m&p-Xylenes	5	<1.0	1	<1.0	1
Methyl Ethyl Ketone (2-Butanone)		<1.0	1	<1.0	1
Methyl t-butyl ether (MTBE)	10	<1.0	1	<1.0	1
Methylene chloride	5	<3.0	3	0.69	3
Naphthalene	10	<1.0	1	<1.0	1
n-Butylbenzene	5	<1.0	1	<1.0	1
n-Propylbenzene	5	<1.0	1	<1.0	1
o-Xylene	5	<1.0	1	<1.0	1
p-Isopropyltoluene		<1.0	1	<1.0	1
sec-Butylbenzene	5	<1.0	1	<1.0	1
Styrene	5	<1.0	1	<1.0	1
tert-Butylbenzene	5	<1.0	1	<1.0	1
Tetrachloroethene	5	13	1	<1.0	1
Tetrahydrofuran (THF)		<5.0	5	<5.0	5
Toluene	5	<1.0	1	<1.0	1
trans-1,2-Dichloroethene	5	<5.0	5	<5.0	5
trans-1,3-Dichloropropene	0.4	<0.40	0.4	<0.40	0.4
trans-1,4-dichloro-2-butene	5	<1.0	1	<1.0	1
Trichloroethene	5	0.74	1	<1.0	1
Trichlorofluoromethane	5	<1.0	1	<1.0	1
Trichlorotrifluoroethane		<1.0	1	<1.0	1
Vinyl Chloride	2	<1.0	1	<1.0	1

Notes:

RL- Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 7
74 Vernon Avenue
Brooklyn, New York
Groundwater Analytical Results
Semi-Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards µg/L	MW1 µg/L	
		Results	RL
1,2,4-Trichlorobenzene		< 5	5
1,2-Dichlorobenzene		< 1.0	1
1,2-Diphenylhydrazine		< 5	5
1,3-Dichlorobenzene	3	< 1.0	1
1,4-Dichlorobenzene		< 1.0	1
2,4,5-Trichlorophenol	1	< 1.0	1
2,4,6-Trichlorophenol	1	< 1.0	1
2,4-Dichlorophenol		< 1.0	1
2,4-Dimethylphenol		< 1.0	1
2,4-Dinitrophenol	5	< 1.0	1
2,4-Dinitrotoluene	5	< 5	5
2,6-Dinitrotoluene	5	< 5	5
2-Chloronaphthalene	10	< 5	5
2-Chlorophenol	1	< 1.0	1
2-Methylnaphthalene		< 5	5
2-Methylphenol (o-cresol)	1	< 1.0	1
2-Nitroaniline	5	< 5.0	5
2-Nitrophenol	1	< 1.0	1
3&4-Methylphenol (m&p-cresol)		< 1.0	1
3,3'-Dichlorobenzidine	5	< 5.0	5
3-Nitroaniline	5	< 5.0	5
4,6-Dinitro-2-methylphenol	1	< 1.0	1
4-Bromophenyl phenyl ether		< 5	5
4-Chloro-3-methylphenol	1	< 1.0	1
4-Chloroaniline	5	< 3.5	3.5
4-Chlorophenyl phenyl ether		< 5	5
4-Nitroaniline	5	< 5.0	5
4-Nitrophenol		< 1.0	1
Acetophenone		< 5	5
Aniline	5	< 5	5
Anthracene	50	< 3.5	3.5
Benzidine	5	< 5	5
Benzoic acid		< 4.5	4.5
Benzyl butyl phthalate	50	< 25	25
Bis(2-chloroethoxy)methane	5	< 5	5
Bis(2-chloroethyl)ether	1	< 5	5
Bis(2-chloroisopropyl)ether		< 1.0	1
Carbazole		< 5	5
Dibenzofuran		< 25	25
Diethyl phthalate	50	< 5	5
Dimethylphthalate	50	< 5	5
Di-n-butylphthalate	50	< 5	5
Di-n-octylphthalate	50	< 5	5
Fluoranthene	50	< 5	5
Fluorene	50	< 5	5
Hexachlorobutadiene	0.5	< 5	5
Hexachlorocyclopentadiene	5	< 5	5
Isophorone	50	< 5	5
Naphthalene	10	< 5	5
Nitrobenzene	0.4	< 1.0	1
N-Nitrosodimethylamine		< 5	5
N-Nitrosodi-n-propylamine		< 5	5
N-Nitrosodiphenylamine	50	< 1.0	1
Phenol	50	< 5	5
Pyrene	50	< 10	10
1,2,4,5-Tetrachlorobenzene		< 0.53	0.53
Acenaphthene	20	< 0.11	0.11
Acenaphthylene		< 0.02	0.02
Benzo(a)anthracene	0.002	< 0.02	0.02
Benzo(a)pyrene		< 0.02	0.02
Benzo(b)fluoranthene	0.002	< 0.02	0.02
Benzo(ghi)perylene		< 0.02	0.02
Benzo(k)fluoranthene	0.002	< 1.1	1.1
Bis(2-ethylhexyl)phthalate	5	< 0.02	0.02
Chrysene	0.002	< 0.02	0.02
Dibenz(a,h)anthracene		< 0.02	0.02
Hexachlorobenzene	0.04	< 0.42	0.42
Hexachloroethane	5	< 0.53	0.53
Indeno(1,2,3-cd)pyrene	0.002	< 0.02	0.02
Pentachloronitrobenzene		< 0.11	0.11
Pentachlorophenol	1	< 0.11	0.11
Phenanthrene	50	< 0.84	0.84
Pyridine	50	< 0.11	0.11

Notes:

RL - Reporting Limit

Bold/highlighted - Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 8
74 Vernon Avenue
Brooklyn, New York
Groundwater Analytical Results
Pesticides/PCBs

Compound	NYSDEC Groundwater Quality Standards µg/L	MW1 µg/L	
		Results	RL
PCB-1016	0.09	< 0.050	0.05
PCB-1221	0.09	< 0.050	0.05
PCB-1232	0.09	< 0.050	0.05
PCB-1242	0.09	< 0.050	0.05
PCB-1248	0.09	< 0.050	0.05
PCB-1254	0.09	< 0.050	0.05
PCB-1260	0.09	< 0.050	0.05
PCB-1262	0.09	< 0.050	0.05
PCB-1268	0.09	< 0.050	0.05
4,4-DDD	0.3	< 0.010	0.01
4,4-DDE	0.2	< 0.010	0.01
4,4-DDT	0.11	< 0.010	0.01
a-BHC	0.94	< 0.005	0.005
a-Chlordane		< 0.010	0.01
Alachlor		< 0.075	0.075
Aldrin		< 0.002	0.002
b-BHC	0.04	< 0.005	0.005
Chlordane	0.05	< 0.05	0.05
d-BHC	0.04	< 0.005	0.005
Dieldrin	0.004	< 0.002	0.002
Endosulfan I		< 0.010	0.01
Endosulfan II		< 0.010	0.01
Endosulfan Sulfate		< 0.010	0.01
Endrin		< 0.010	0.01
Endrin aldehyde	5	< 0.010	0.01
Endrin ketone		< 0.010	0.01
gamma-BHC	0.05	< 0.005	0.005
g-Chlordane		< 0.010	0.01
Heptachlor	0.04	< 0.010	0.01
Heptachlor epoxide	0.03	< 0.010	0.01
Methoxychlor	35	< 0.10	0.1
Toxaphene		< 0.25	0.25

Notes:

RL- Reporting limit

ND - Non-detect

ND* - Due to matrix interference from non target compounds in the sample an elevated RL was

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

Table 9
74 Vernon Avenue
Brooklyn, New York
Groundwater Analytical Results
TAL Filtered Metals

Compound	NYSDEC Groundwater Quality Standards mg/L	MW1 mg/L	
		Results	RL
Aluminum	NS	0.87	0.01
Antimony	0.003	< 0.003	0.003
Arsenic	0.025	< 0.003	0.003
Barium	1	0.062	0.011
Beryllium	0.003	< 0.001	0.001
Cadmium	0.005	< 0.004	0.004
Calcium	NS	36.6	0.01
Chromium	0.05	0.003	0.001
Cobalt	NS	< 0.005	0.005
Copper	0.2	0.007	0.005
Iron	0.5	1.72	0.01
Lead	0.025	< 0.002	0.002
Magnesium	35	13.7	0.01
Manganese	0.3	0.399	0.005
Mercury	0.0007	< 0.0002	0.0002
Nickel	0.1	0.016	0.004
Potassium	NS	4.4	0.1
Selenium	0.01	< 0.004	0.004
Silver	0.05	< 0.005	0.005
Sodium	2	44	0.11
Thallium	0.0005	< 0.0005	0.0005
Vanadium	NS	< 0.011	0.011
Zinc	2	0.014	0.011

Notes:

RL- Reporting limit

NS - No Standard

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 10
74 Vernon Avenue
Brooklyn, New York
Soil Gas - Volatile Organic Compounds

COMPOUNDS	NYSDOH Maximum Sub-Slab Value (µg/m ³) ^(a)	NYSDOH Soil Outdoor Background Levels (µg/m ³) ^(b)	SG-1 (µg/m ³)		SG-2 (µg/m ³)		SG-3 (µg/m ³)		SG-4 (µg/m ³)		SG-5 (µg/m ³)	
			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	17.9	1	12.6	1	13.2	1	13.4	1	14.8	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	5.94	1	4.22	1	4.22	1	5.06	1	4.96	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	3.34	1	2.26	1	2.6	1	2.36	1	2.31	1
4-Isopropyltoluene			1.21	1	1.43	1	1.26	1	1.04	1	1.26	1
4-Methyl-2-pentanone			1.68	1	1.64	1	1.47	1	1.31	1	1.1	1
Acetone		NA	280	1	332	1	85.5	1	212	1	84.3	1
Acrylonitrile			<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Benzene		<1.6 - 4.7	1.6	1	1.15	1	1.21	1	1.02	1	<1.00	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	4.08	1	<1.00	1	1.07	1	1.74	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	2.4	1	0.996	1	<1.00	1	<1.00	1	1.84	1
Carbon Tetrachloride	5	<3.1	0.44	0.25	0.692	0.25	0.566	0.25	0.566	0.25	0.503	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	31.9	1	107	1	59.5	1	56.6	1	117	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	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Dibromochloromethane		<5.0	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Dichlorodifluoromethane		NA	2.42	1	2.32	1	2.32	1	2.42	1	2.32	1
Ethanol			33.7	1	26.4	1	26	1	25.2	1	19.6	1
Ethyl Acetate		NA	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Ethylbenzene		<4.3	1.6	1	2.47	1	2.39	1	2.13	1	1.56	1
Heptane		NA	1.72	1	1.92	1	1.1	1	<1.00	1	<1.00	1
Hexachlorobutadiene		NA	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Hexane		<1.5	3.1	1	1.58	1	2.46	1	2.61	1	4.12	1
Isopropylalcohol		NA	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Isopropylbenzene			<1.00	1	<1.00	1	1.18	1	<1.00	1	<1.00	1
Xylene (m&p)		<4.3	6.99	1	9.42	1	9.24	1	7.12	1	6.77	1
Methyl Ethyl Ketone			20.1	1	30.4	1	10.3	1	4.72	1	8.02	1
MTBE		NA	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Methylene Chloride		<3.4	14.6	1	2.85	1	11.9	1	8.64	1	4.48	1
n-Butylbenzene			2.19	1	1.81	1	1.81	1	1.48	1	1.86	1
Xylene (o)		<4.3	4.21	1	4.77	1	4.86	1	3.86	1	3.73	1
Propylene		NA	24.1	1	7.67	1	2.12	1	1.55	1	2.63	1
sec-Butylbenzene			<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Styrene		<1.0	<1.00	1	<1.00	1	<1.00	1	1.62	1	<1.00	1
Tetrachloroethene	100		88.1	0.25	75.2	0.25	65.1	0.25	92.2	0.25	220	0.25
Tetrahydrofuran		NA	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Toluene		1.0 - 6.1	12.2	1	12.5	1	12.8	1	16.1	1	8.25	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	6.23	0.25	9.72	0.25	6.23	0.25	4.67	0.25	14.4	0.25
Trichlorofluoromethane		NA	6.51	1	1.57	1	2.36	1	2.36	1	5.45	1
Trichlorotrifluoroethane			<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Vinyl Chloride		<1.0	<0.25	0.25	<0.25	0.25	<0.25	0.25	<0.25	0.25	<0.25	0.25
BTEX			26.6		30.31		30.5		30.23		20.31	
Total VOCs			521.65		643.87		315.64		398.26		388.97	

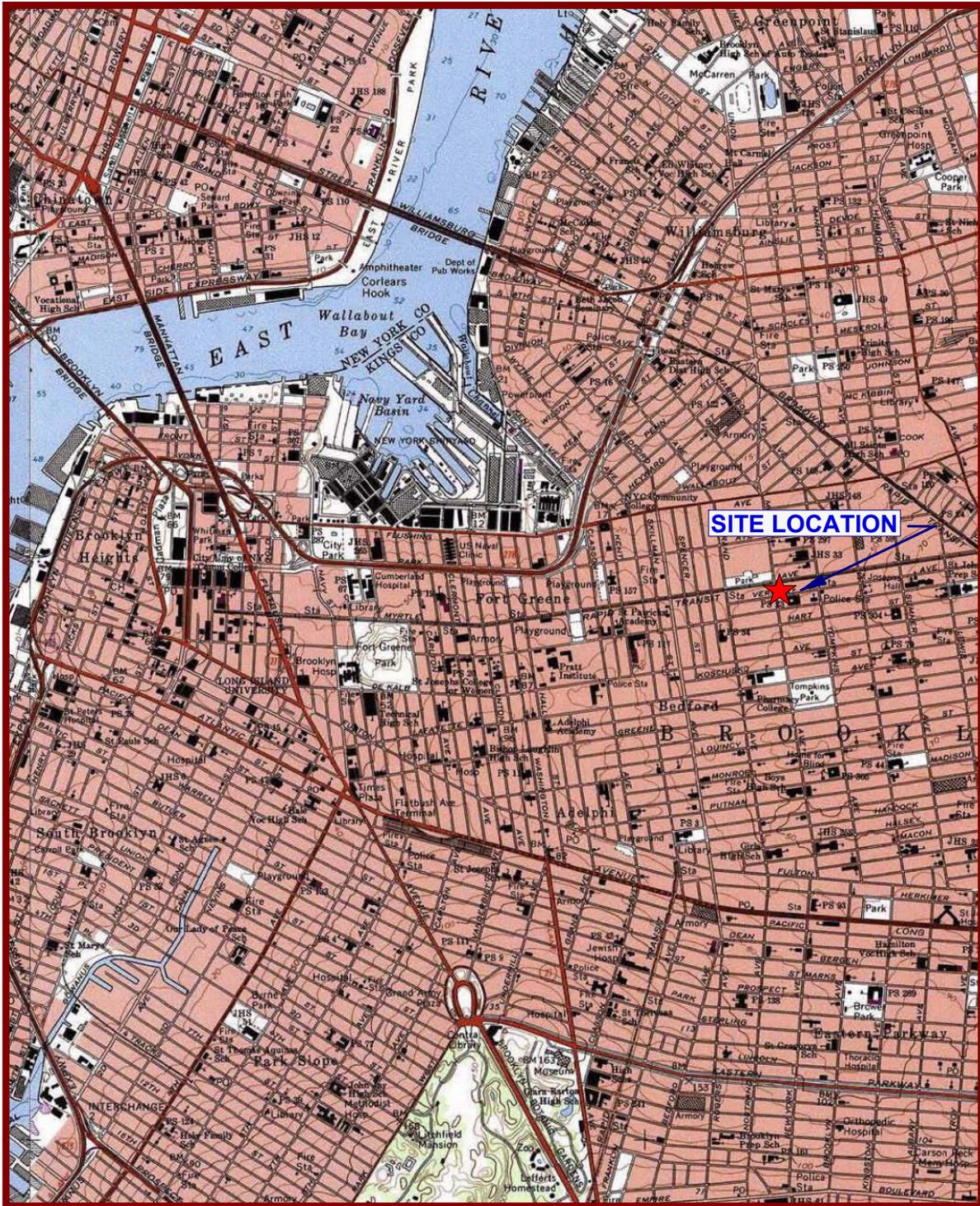
Notes:

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 (NYSDOH)

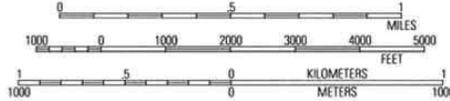
FIGURES



40°43.000' N
40°42.000' N
40°41.000' N
40°40.000' N

74°00.000' W 73°59.000' W 73°58.000' W WGS84 73°57.000' W

USGS Brooklyn, NY Quadrangle 1994, Contour Interval = 10 feet



MIN 13° TN
06/12/11

EBC
Environmental Business Consultants
Phone 631.504.6000
Fax 631.924.2870

74 Vernon Avenue
Brooklyn, NY

FIGURE 1

Site Location Map

VERNON AVENUE
SIDEWALK

100 ft

50 ft

LOT 7

LOT 10

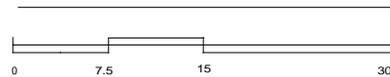
LOT 5

MARCY AVENUE

KEY:

— Property Boundary

SCALE:



1 Inch = 15 feet



BC

Environmental Business Consultants

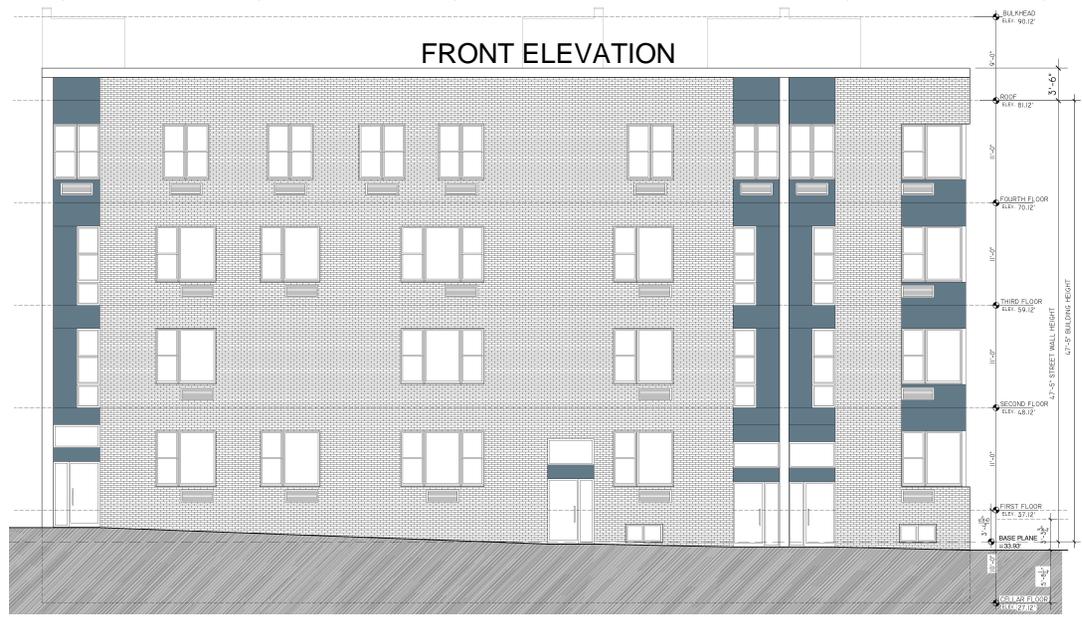
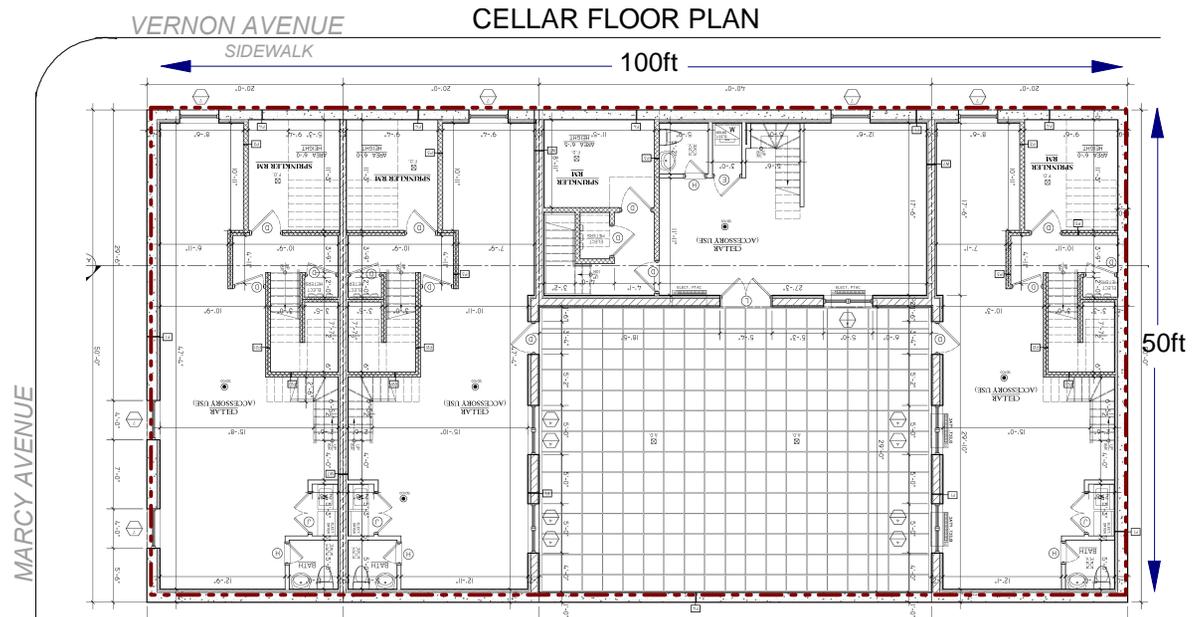
Phone 631.504.6000
Fax 631.924.2870

Figure No.
2

Site Name: **Redevelopment Project**

Site Address: **74 VERNON AVENUE, BROOKLYN, NY**

Drawing Title: **Site Boundary Map**



EBC
 Environmental Business Consultants

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Figure No.
3

Site Name: **Redevelopment Project**
 Site Address: **74 Vernon Avenue, Brooklyn, NY**
 Drawing Title: **Redevelopment Plan**



FIGURE 4
SURROUNDING LAND USE MAP

74 VERNON AVENUE, BROOKLYN NY 11206
 HAZARDOUS MATERIALS REMEDIAL INVESTIGATION REPORT

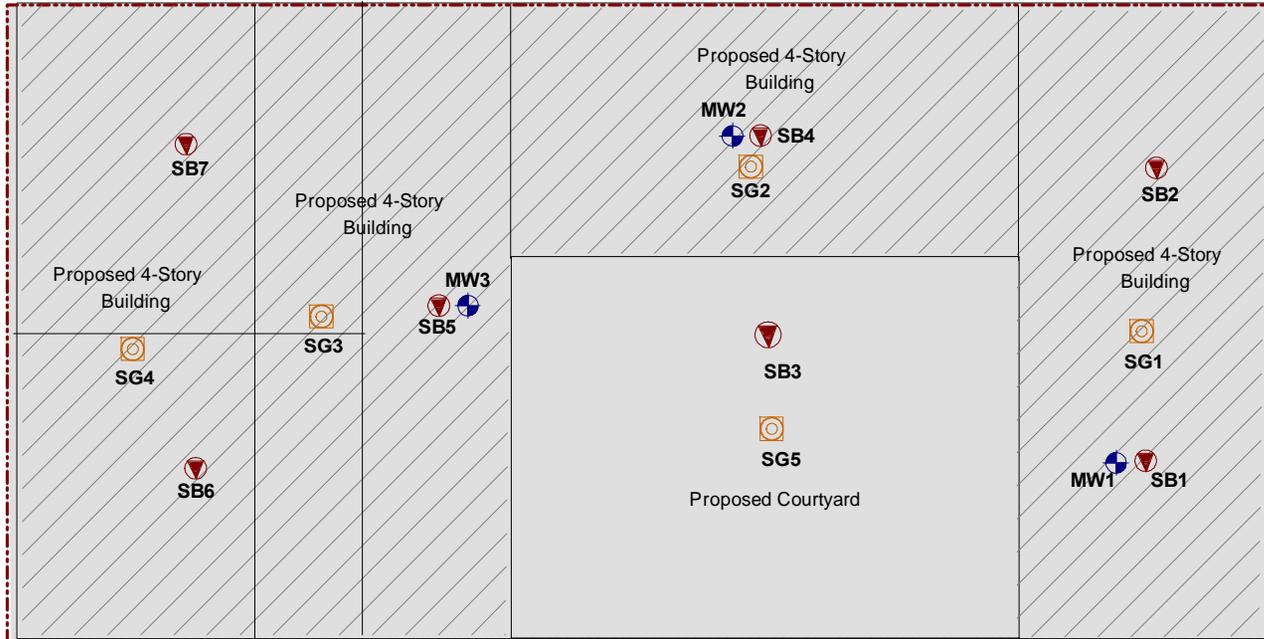


ENVIRONMENTAL BUSINESS CONSULTANTS
 1808 Middle Country Road, Ridge, New York 11961
 Phone: (631) 504-6000 Fax: (631) 924-2870

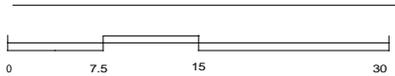
VERNON STREET

SIDEWALK

MARCY AVENUE



SCALE:



1 Inch = 15 feet

KEY:

- Property Boundary
- Proposed Boring Location
- Proposed Monitoring Well
- Proposed Soil Gas Location
- Existing Building
- Proposed New Building



Environmental Business Consultants

Phone 631.504.6000
Fax 631.924.2870

Figure No.
5

Site Name: **Redevelopment Project**

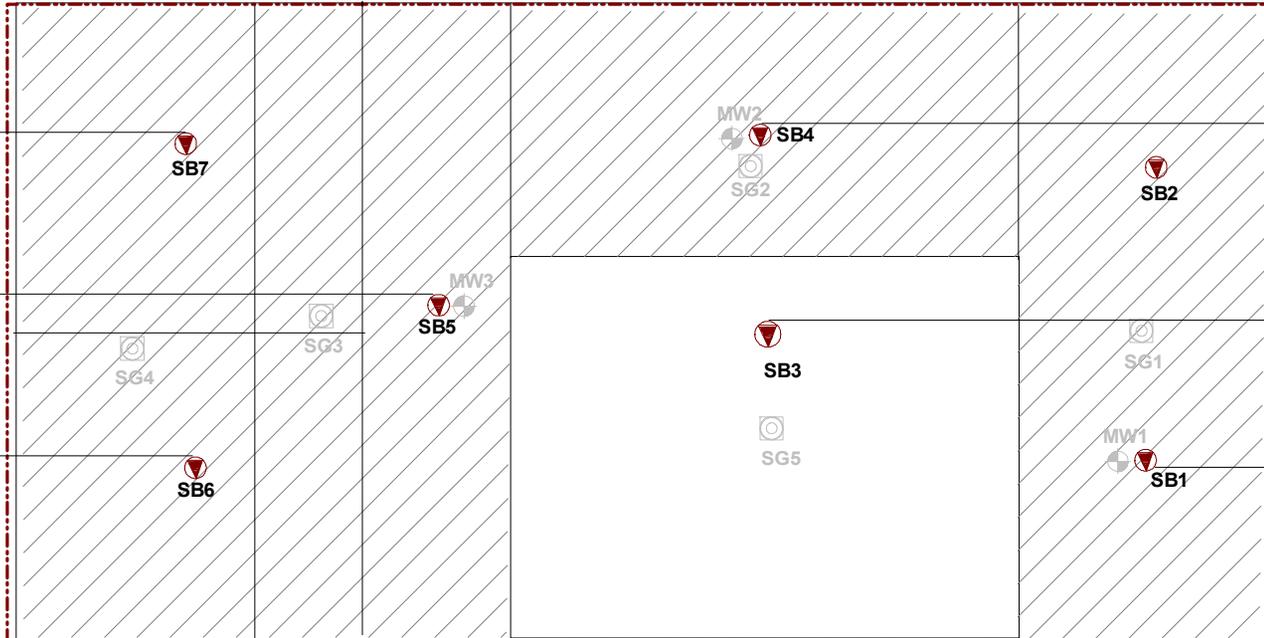
Site Address: **74 VERNON AVENUE, BROOKLYN, NY**

Drawing Title: **Site Sampling Locations**

VERNON AVENUE

SIDEWALK

MARCY AVENUE



B7 (0-2')	
4,4'- DDT	3.5

B5 (0-2')	
Benz(a)anthracene	1,800
Benzo(b)fluoranthene	1,300
Chrysene	2,200
4,4'- DDE	17
4,4'- DDT	290
Lead	65.3

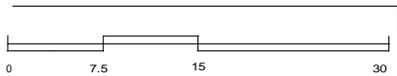
B6 (0-2')	
Benz(a)anthracene	1,800
Benzo(a)pyrene	1,300
Benzo(b)fluoranthene	2,200
Chrysene	17
Indeno(1,2,3-cd)pyrene	290
4,4'- DDT	65.3

B4 (0-2')	
4,4'- DDE	28
4,4'- DDT	72

B3 (0-2')	
4,4'- DDD	69
4,4'- DDE	880
4,4'- DDT	820
Dieldrin	56

B1 (0-2')	
Lead	406

SCALE:



1 Inch = 15 feet

KEY:

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



Environmental Business Consultants

Phone 631.504.6000
Fax 631.924.2870

Figure No.
6

Site Name: **Redevelopment Project**

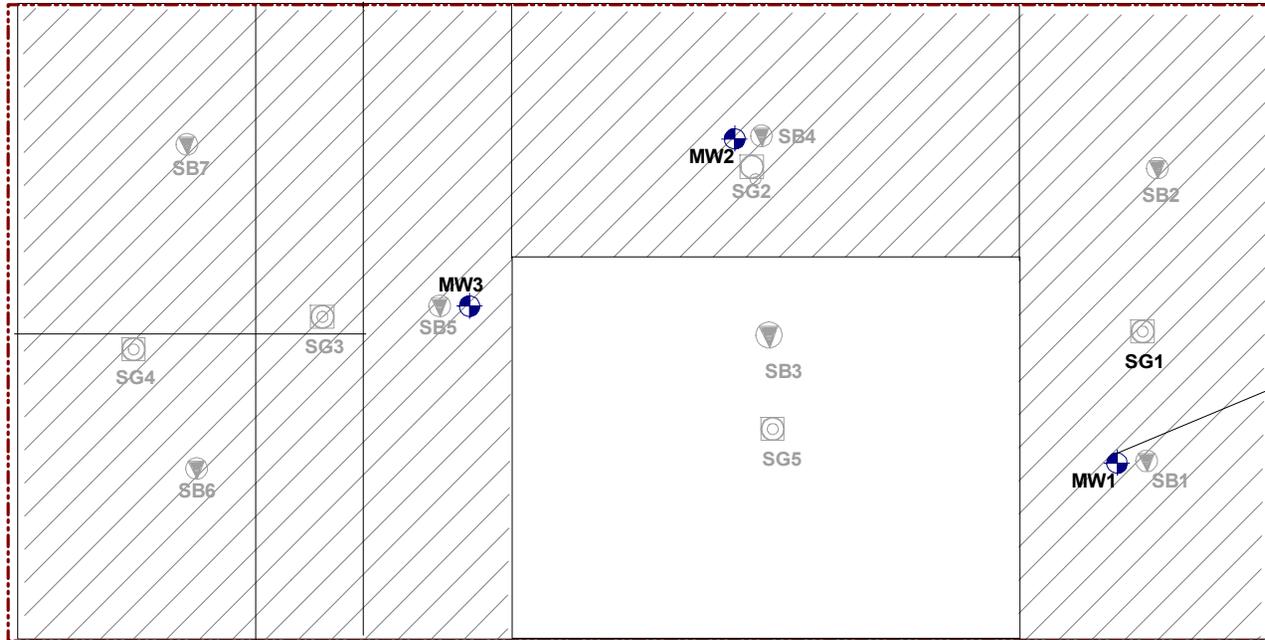
Site Address: **74 VERNON AVENUE, BROOKLYN, NY**

Drawing Title: **Soil Exceedences Map**

VERNON AVENUE

SIDEWALK

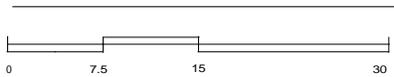
MARCY AVENUE



MW1

VOCs (ug/L)	
Tetrachloroethene	13
Dissolved Metals (mg/L)	
Chrysene	0.03
Manganese	1.59
Sodium	94.2
Sodium	94.2

SCALE:



1 Inch = 15 feet

KEY:

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



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Figure No.
7

Site Name: **Redevelopment Project**

Site Address: **74 VERNON AVENUE, BROOKLYN, NY**

Drawing Title: **Ground Water Exceedences**



SG3

1,2,4-Trimethylbenzene	13.2
1,3,5-Trimethylbenzene	4.22
4-Ethyltoluene	2.6
4-Isopropyltoluene	1.26
4-Methyl-2-pentanone	1.47
Acetone	85.5
Benzene	1.21
Carbon Tetrachloride	0.566
Chloroform	59.5
Dichlorodifluoromethane	2.32
Ethanol	26
Ethylbenzene	2.39
Heptane	1.1
Hexane	2.46
Isopropylbenzene	1.18
Xylene (m&p)	9.24
Methyl Ethyl Ketone	10.3
Methylene Chloride	11.8
n-Butylbenzene	1.81
Xylene (o)	4.86
Propylene	2.12
Tetrachloroethene	65.1
Toluene	12.8
Trichloroethene	6.23
Trichlorofluoromethane	2.36

SG4

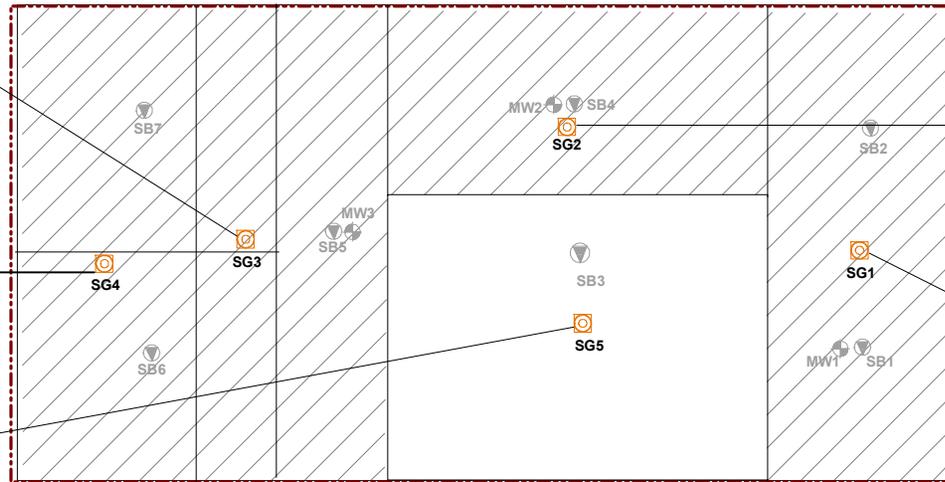
1,2,4-Trimethylbenzene	13.4
1,3,5-Trimethylbenzene	5.06
4-Ethyltoluene	2.36
4-Isopropyltoluene	1.04
4-Methyl-2-pentanone	1.31
Acetone	212
Benzene	1.02
Bromodichloromethane	1.07
Carbon Tetrachloride	0.566
Chloroform	56.6
Dichlorodifluoromethane	2.42
Ethanol	25.2
Ethylbenzene	2.13
Hexane	2.61
Xylene (m&p)	7.12
Methyl Ethyl Ketone	4.72
Methylene Chloride	8.64
n-Butylbenzene	1.48
Xylene (o)	3.86
Propylene	1.55
Styrene	1.62
Tetrachloroethene	92.2
Toluene	16.1
Trichloroethene	4.67
Trichlorofluoromethane	2.36

SG5

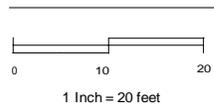
1,2,4-Trimethylbenzene	14.8
1,3,5-Trimethylbenzene	4.96
4-Ethyltoluene	2.31
4-Isopropyltoluene	1.26
4-Methyl-2-pentanone	1.1
Acetone	84.3
Bromodichloromethane	1.74
Carbon Disulfide	1.84
Carbon Tetrachloride	0.503
Chloroform	117
Dichlorodifluoromethane	2.32
Ethanol	19.6
Ethylbenzene	1.56
Hexane	4.12
Xylene (m&p)	6.77
Methyl Ethyl Ketone	8.02
Methylene Chloride	4.48
n-Butylbenzene	1.86
Xylene (o)	3.73
Propylene	2.63
Tetrachloroethene	220
Toluene	8.25
Trichloroethene	14.4
Trichlorofluoromethane	5.45

VERNON AVENUE

SIDEWALK



SCALE:



KEY:

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

SG2

1,2,4-Trimethylbenzene	12.6
1,3,5-Trimethylbenzene	4.22
4-Ethyltoluene	2.26
4-Isopropyltoluene	1.43
4-Methyl-2-pentanone	1.64
Acetone	332
Benzene	1.15
Bromodichloromethane	4.08
Carbon Disulfide	0.996
Carbon Tetrachloride	0.692
Chloroform	107
Dichlorodifluoromethane	2.32
Ethanol	26.4
Ethylbenzene	2.47
Heptane	1.92
Hexane	1.58
Xylene (m&p)	9.42
Methyl Ethyl Ketone	30.4
Methylene Chloride	2.85
n-Butylbenzene	1.81
Xylene (o)	4.77
Propylene	7.67
Tetrachloroethene	75.2
Toluene	12.5
Trichloroethene	9.72
Trichlorofluoromethane	1.67

SG1

1,2,4-Trimethylbenzene	17.9
1,3,5-Trimethylbenzene	5.94
4-Ethyltoluene	3.34
4-Isopropyltoluene	1.21
4-Methyl-2-pentanone	1.68
Acetone	280
Benzene	1.6
Carbon Disulfide	2.4
Carbon Tetrachloride	0.44
Chloroform	31.9
Dichlorodifluoromethane	2.42
Ethanol	33.7
Ethylbenzene	1.6
Heptane	1.72
Hexane	3.1
Xylene (m&p)	6.99
Methyl Ethyl Ketone	20.1
Methylene Chloride	1.46
n-Butylbenzene	2.19
Xylene (o)	4.21
Propylene	24.1
Tetrachloroethene	88.1
Toluene	12.2
Trichloroethene	6.23
Trichlorofluoromethane	6.51



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Figure No.
8

Site Name: Redevelopment Project
Site Address: 74 VERNON AVENUE, BROOKLYN, NY
Drawing Title: Soil Gas Detections

ATTACHMENT A
Phase I Report

PHASE I Screening Summary

74 Vernon Avenue, Brooklyn
Block 1759 Lot 7

Lot Info:

The subject site consists of one lot located on the south side of Vernon Avenue in the Bedford Stuyvesant section of Brooklyn, New York. The street address of the subject site is 74 Vernon Avenue, Brooklyn, New York 11206 and is identified as Block 1759, Lot 7 on the NYC Tax Map. The lot includes 100 feet of street frontage on Vernon Avenue and 50 feet of street frontage on Marcy Avenue for a total area of 5,000 sf.

The lot is zoned R7A with a C2-4 commercial overlay. The property is improved with a 1-story commercial building which was constructed in 1931.

History:

The Site was developed prior to 1887 with a large 1-2 story multi-family house and grounds set back from the street. The current building was constructed in 1931 occupies the entire lot. It has a long history of use as a supermarket or public market as shown on Sanborn maps from 1935 - 2007. City directory listings also show bakery, pharmacy and medical center listings through 2007. An iron works also appears in the directory listing in 1997, 2000 and 2005. A CO from 2002 lists the use as storage for the cellar, first floor, drug store, medical offices and welding shop.

Site Visit:

A site visit has not yet been performed.

Environmental Database Search:

The Site was not listed for any spills, release or underground tanks on the regulatory database.

NYC DOB

There are two open DOB violations including one for quality of life (hazardous) and one for construction (non-hazardous).

E-Designation

The property was assigned an E-designation Hazmat and Air (E-285) as part of the Bedford Stuyvesant North rezoning completed by the City in 2012 (CEQR No. 12DCP156Y). The E-designation will have to be addressed before the property can be redeveloped. The E-designation for Air requires that Natural Gas be used as the type of fuel for space heating and hot water (HVAC) systems. The Hazmat E and Air E will have to be addressed under separate Remedial Action Plans before OER will issue a Notice to Proceed (NTP). The NTP is needed before DOB will release building permits.

Conclusions/Recommendations

- Based upon reconnaissance of the subject site and surrounding properties, and review of historical records and regulatory agency databases, No Recognized Environmental Conditions (RECs) were identified for the property.

The following environmental issue was identified for the Site:

- The property was assigned an E-designation for Hazmat and Air. The E-designations will require environmental review and issuance of a Notice to Proceed (NTP) from the NYCOER before building permits will be issued.

FIGURES



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feet
meters





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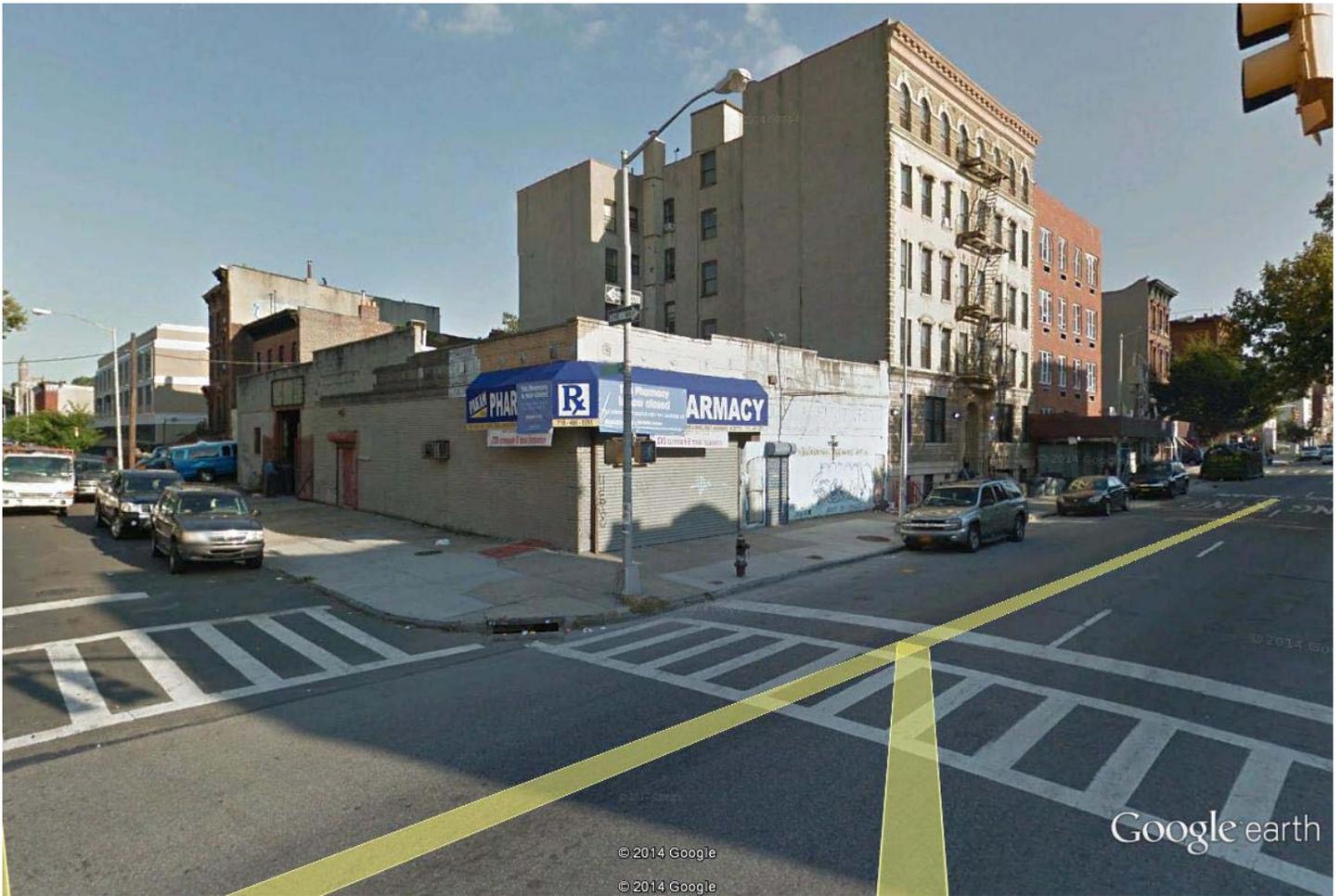
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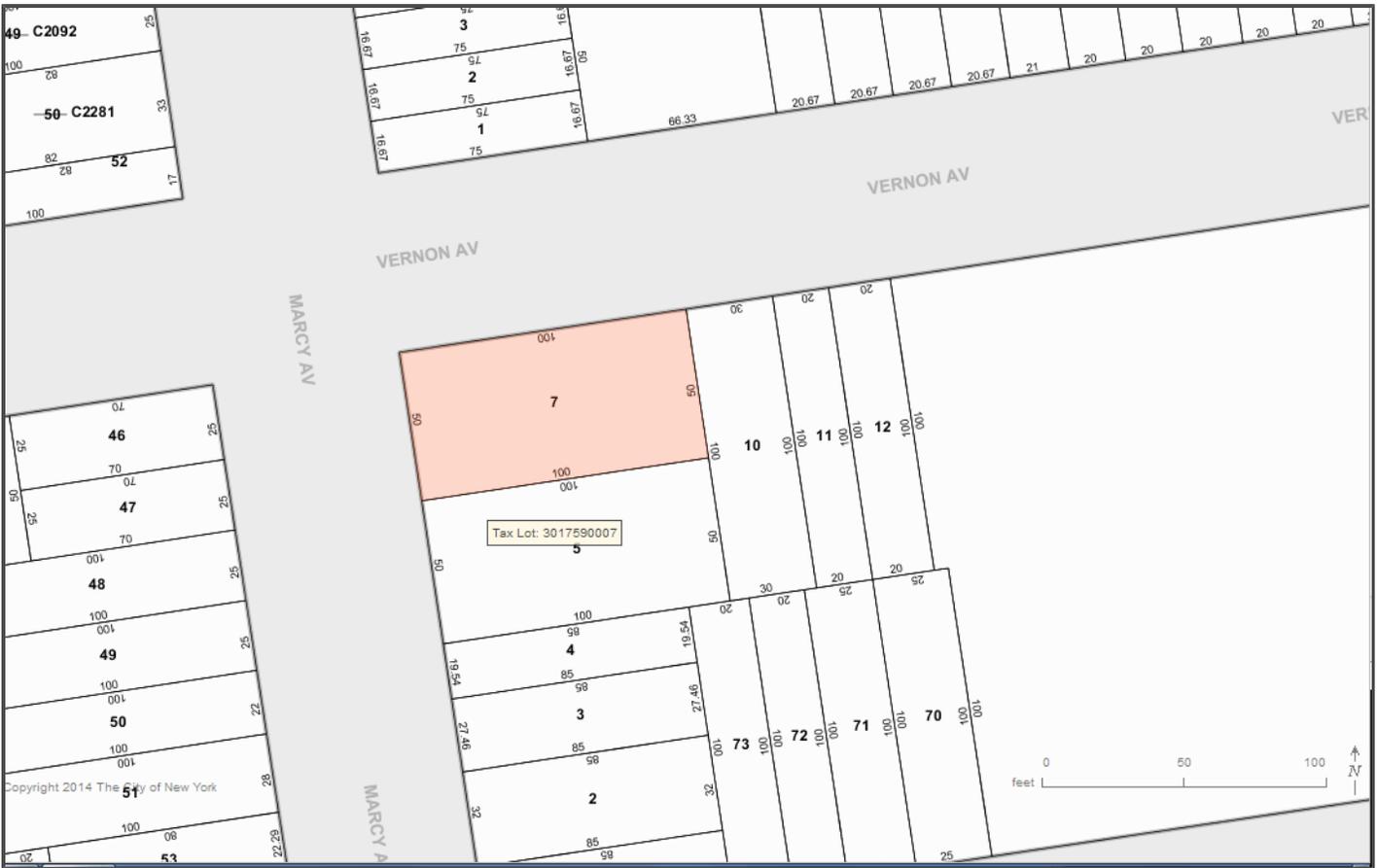
Google earth

feet
meters





	Borough Boundary	C50	Condo Flag/Condo Number
	Tax Block Boundary	A50	Air Right Flag/Lot Number
50	Tax Block Number	S50	Subterranean Right Flag/Lot Number
	Tax Lot Boundary	R	REUC Flag
50	Tax Lot Number		Under Water Tax Lot Boundary
	Condo FKA Tax Lot Number		Other Boundary
50.5	Tax Lot Dimension		Possession Hook
+/-5.5	Approximate Tax Lot Dimension	Misc	Miscellaneous Text
	Condo Units Range Label		Small Tax Lot Dimension
	Building Footprint		Surface Water



	Borough Boundary	C50	Condo Flag/Condo Number
	Tax Block Boundary	A50	Air Right Flag/Lot Number
50	Tax Block Number	S50	Subterranean Right Flag/Lot Number
	Tax Lot Boundary	R	REUC Flag
50	Tax Lot Number		Under Water Tax Lot Boundary
50	Condo FKA Tax Lot Number		Other Boundary
50.5	Tax Lot Dimension		Possession Hook
+/-5.5	Approximate Tax Lot Dimension	Misc	Miscellaneous Text
	Condo Units Range Label		Small Tax Lot Dimension
	Building Footprint		Surface Water

SANBORN MAPS



74 Vernon Avenue

74 Vernon Avenue

Brooklyn, NY 11206

Inquiry Number: 4059500.3

September 09, 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

9/09/14

Site Name:

74 Vernon Avenue
74 Vernon Avenue
Brooklyn, NY 11206

Client Name:

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



EDR Inquiry # 4059500.3

Contact: Chawiniw Miller

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Certified Sanborn Results:

Site Name: 74 Vernon Avenue
Address: 74 Vernon Avenue
City, State, Zip: Brooklyn, NY 11206
Cross Street:
P.O. # NA
Project: NA
Certification # A97A-41A2-886C



Sanborn® Library search results
Certification # A97A-41A2-886C

Maps Provided:

2007	2001	1989	1979	1918
2006	1996	1987	1977	1904
2005	1995	1986	1965	1887
2004	1993	1984	1950	
2003	1992	1982	1947	
2002	1991	1981	1935	

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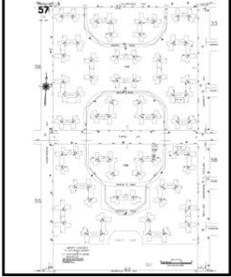
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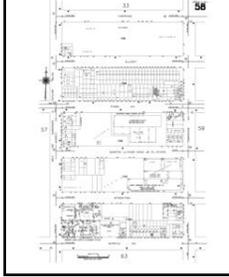
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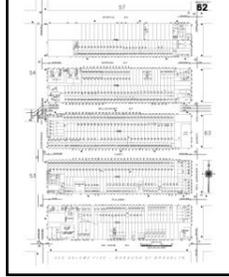
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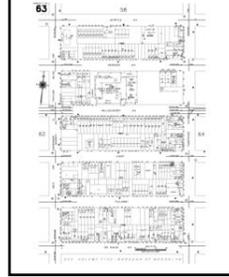
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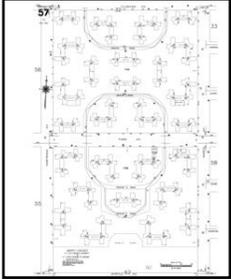


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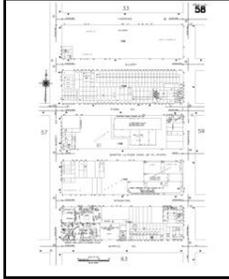


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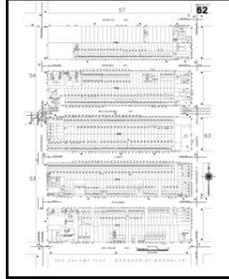
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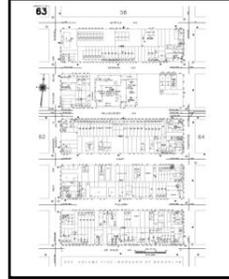
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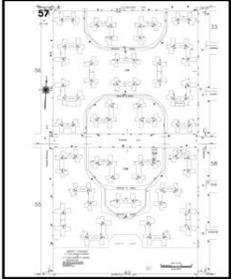


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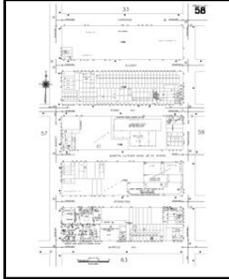


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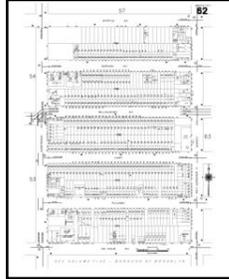
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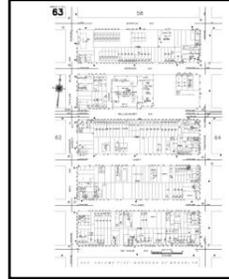
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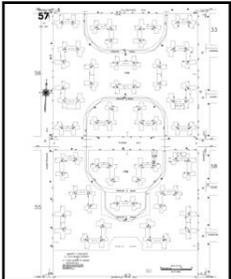


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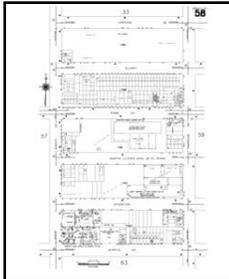


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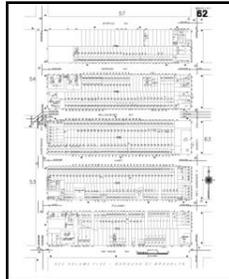
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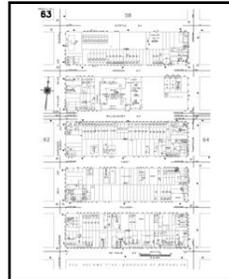
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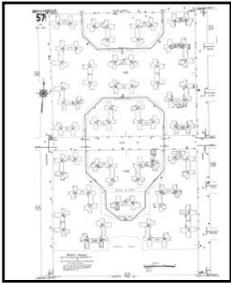


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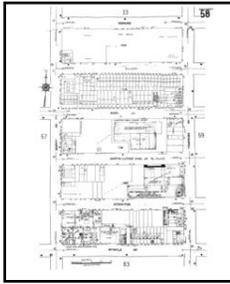


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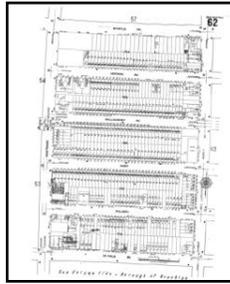
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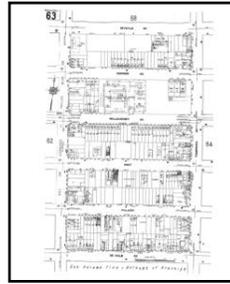
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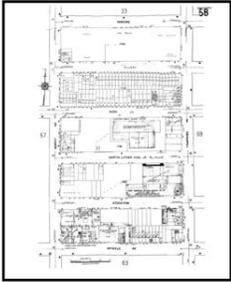


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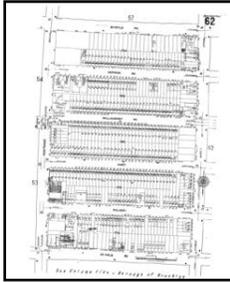


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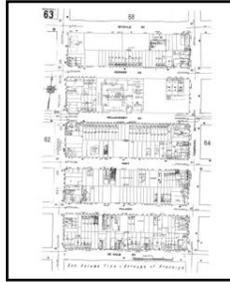
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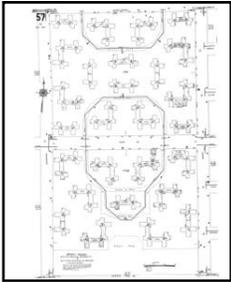


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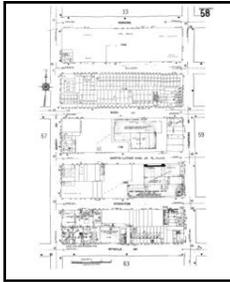


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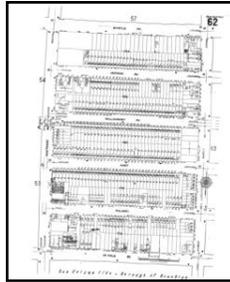
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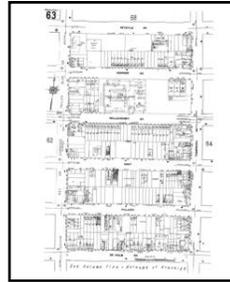
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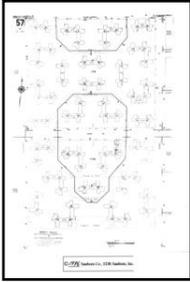


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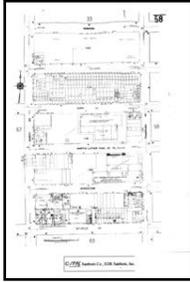


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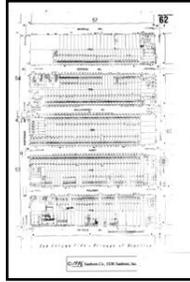
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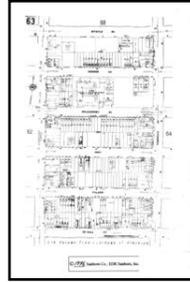
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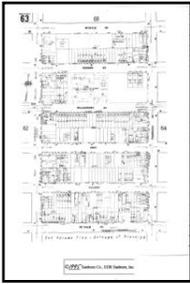


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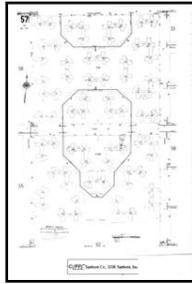


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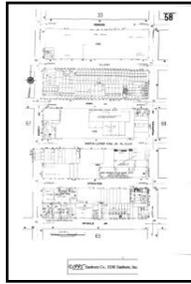
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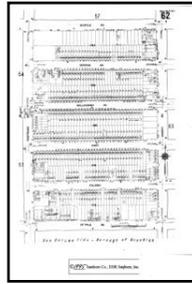
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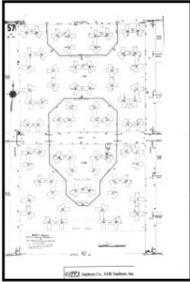


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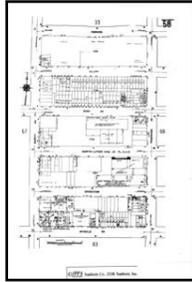


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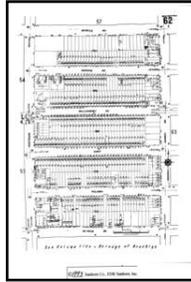
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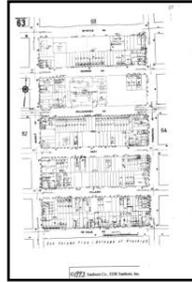
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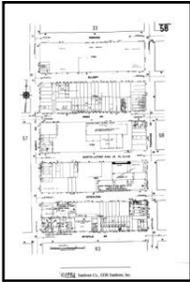


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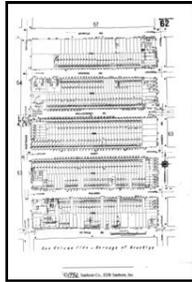


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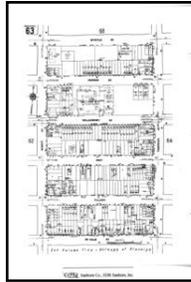
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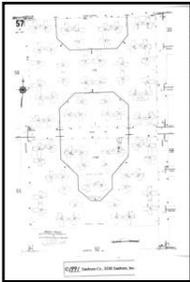


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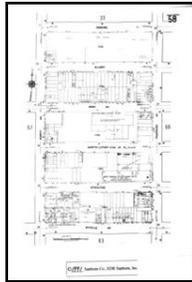


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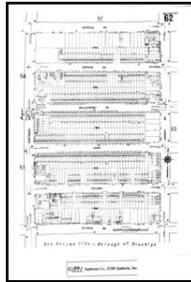
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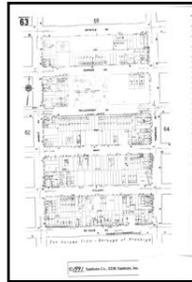
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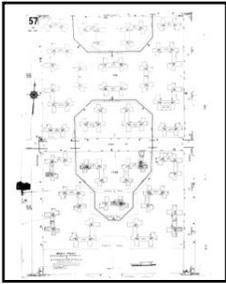


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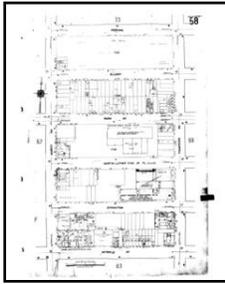


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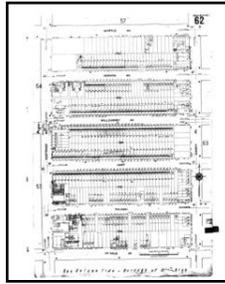
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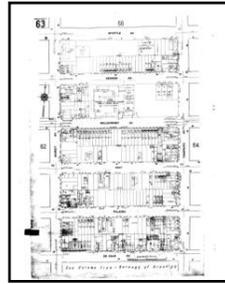
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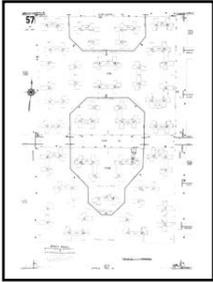


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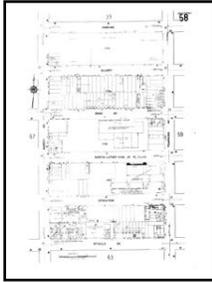


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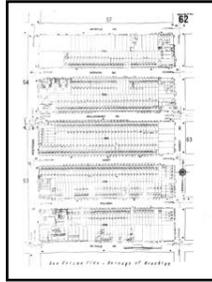
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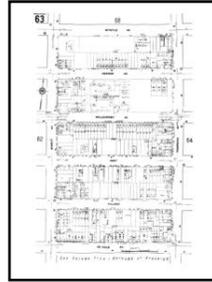
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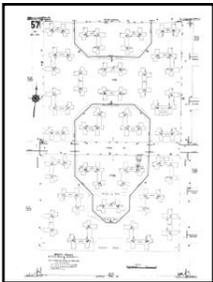


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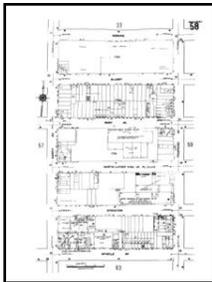


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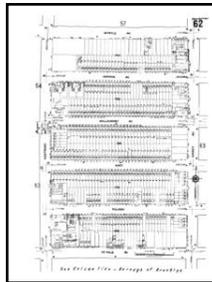
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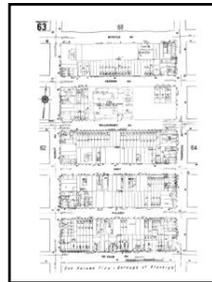
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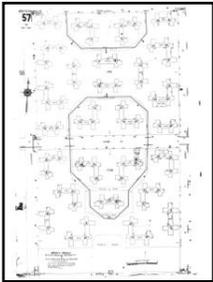


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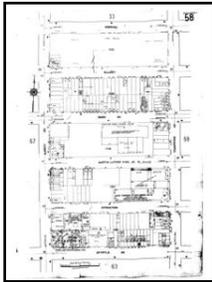


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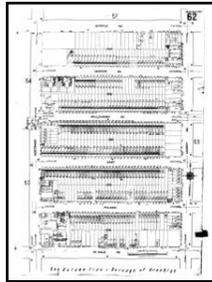
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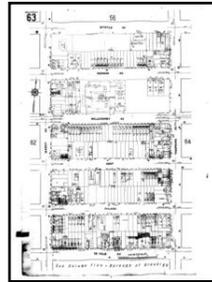
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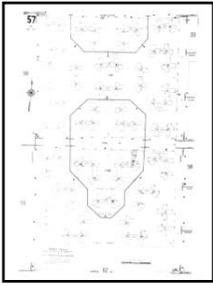


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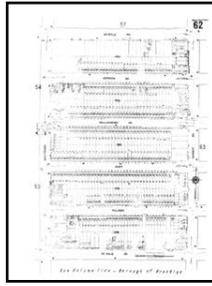
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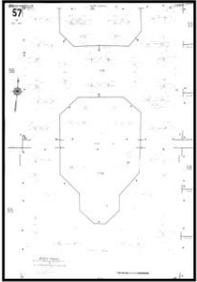


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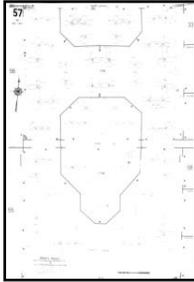


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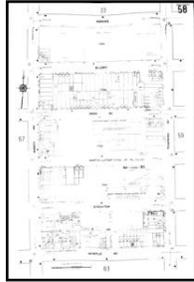
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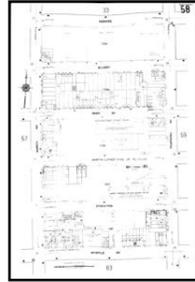
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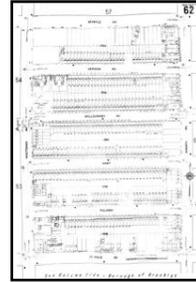
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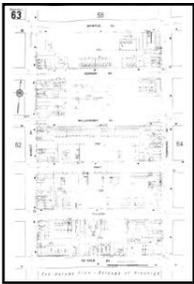
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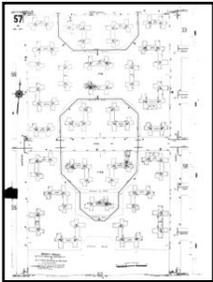


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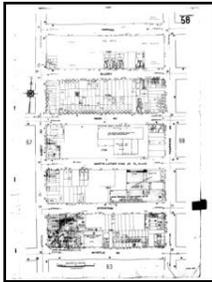


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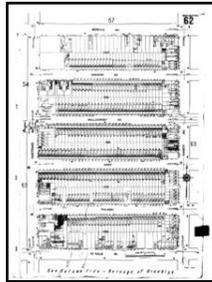
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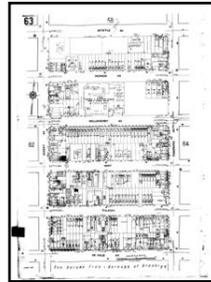
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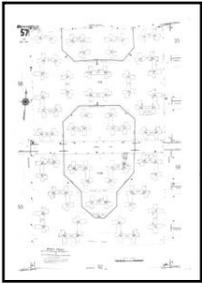


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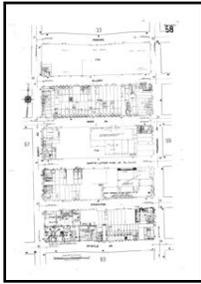


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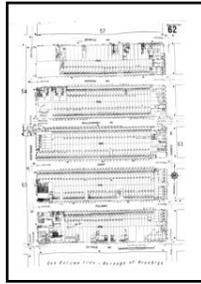
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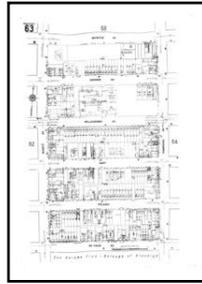
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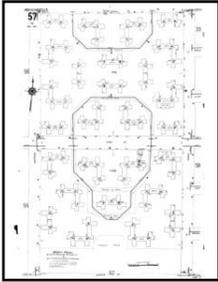


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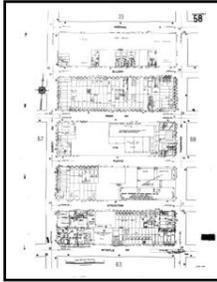


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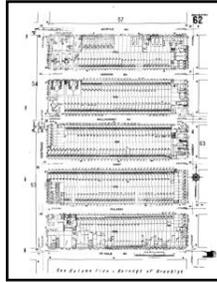
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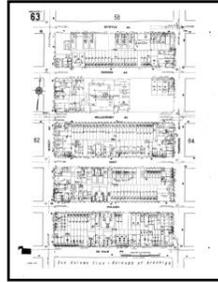
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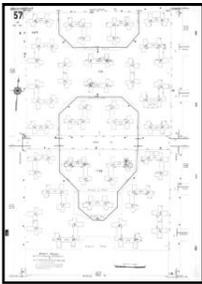


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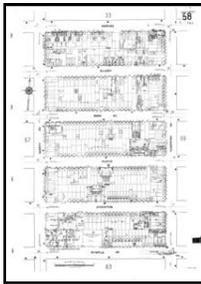


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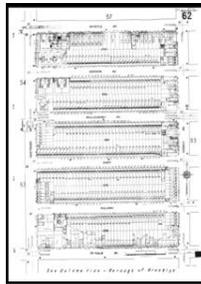
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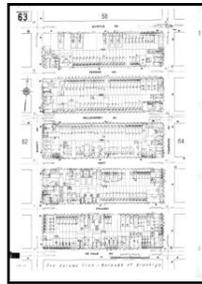
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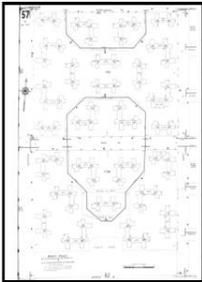


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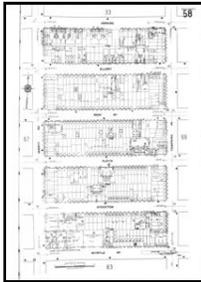


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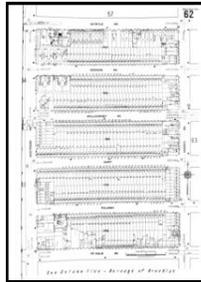
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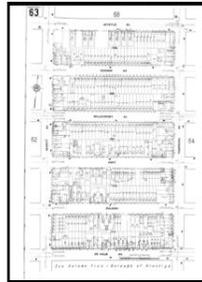
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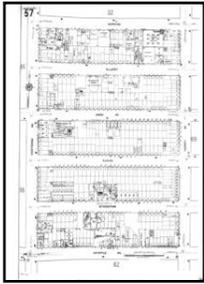


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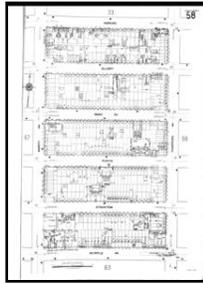


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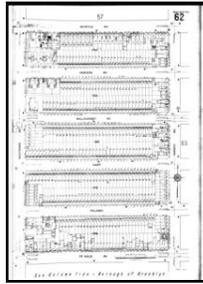
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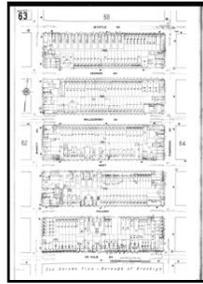
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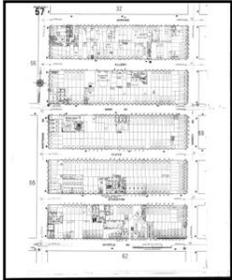


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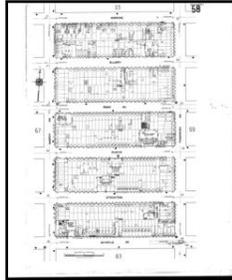


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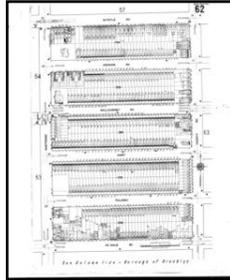
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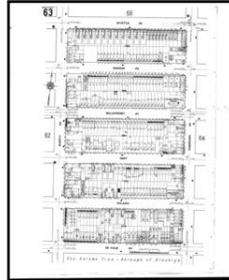
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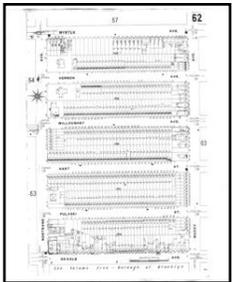


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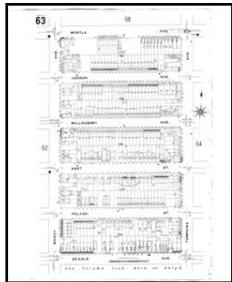


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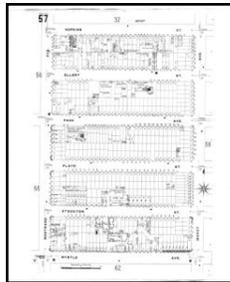
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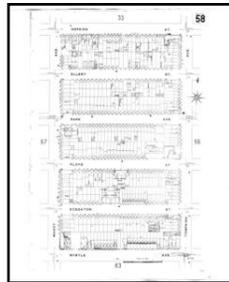
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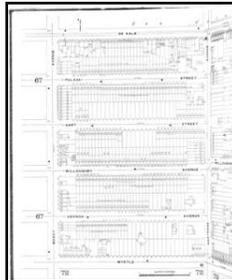


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1887 Source Sheets



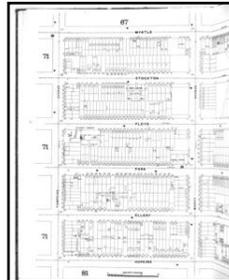
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2007 Certified Sanborn Map



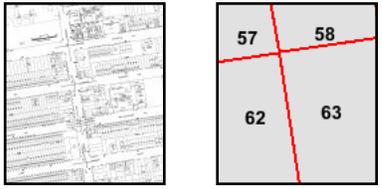
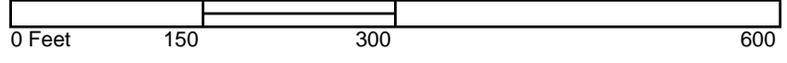
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 Client: Env. Business Consultants
 EDR Inquiry: 4059500.3
 Order Date: 9/9/2014 1:19:01 PM
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2006 Certified Sanborn Map



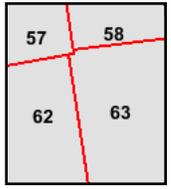
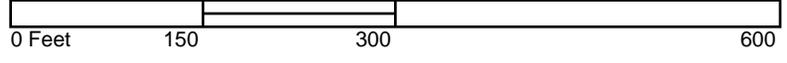
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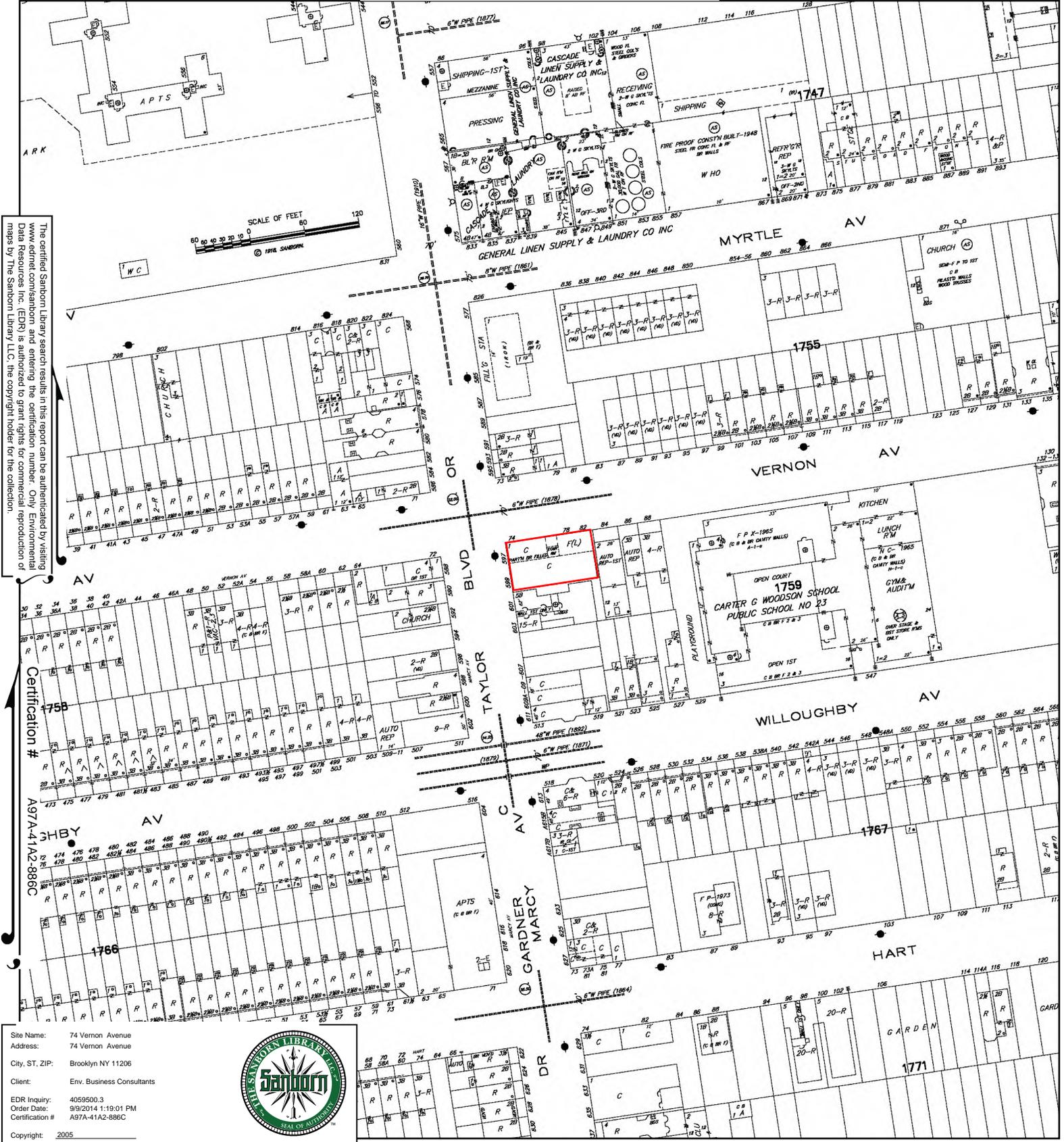
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2005 Certified Sanborn Map



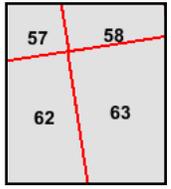
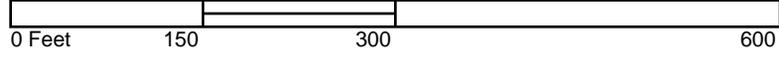
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 Client: Env. Business Consultants
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2004 Certified Sanborn Map



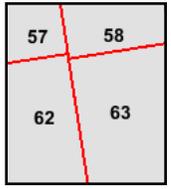
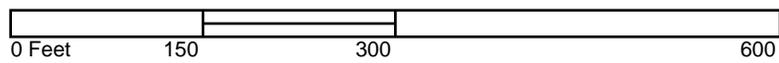
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2003 Certified Sanborn Map



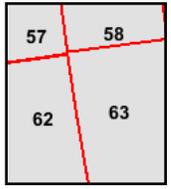
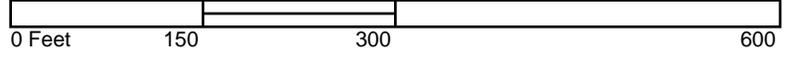
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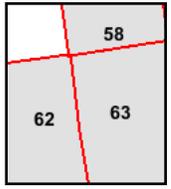
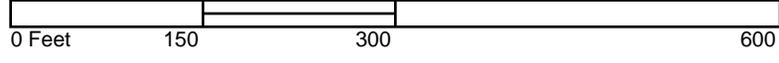
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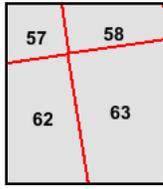
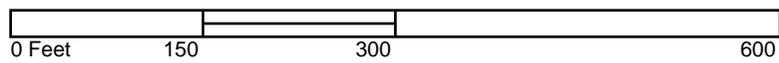
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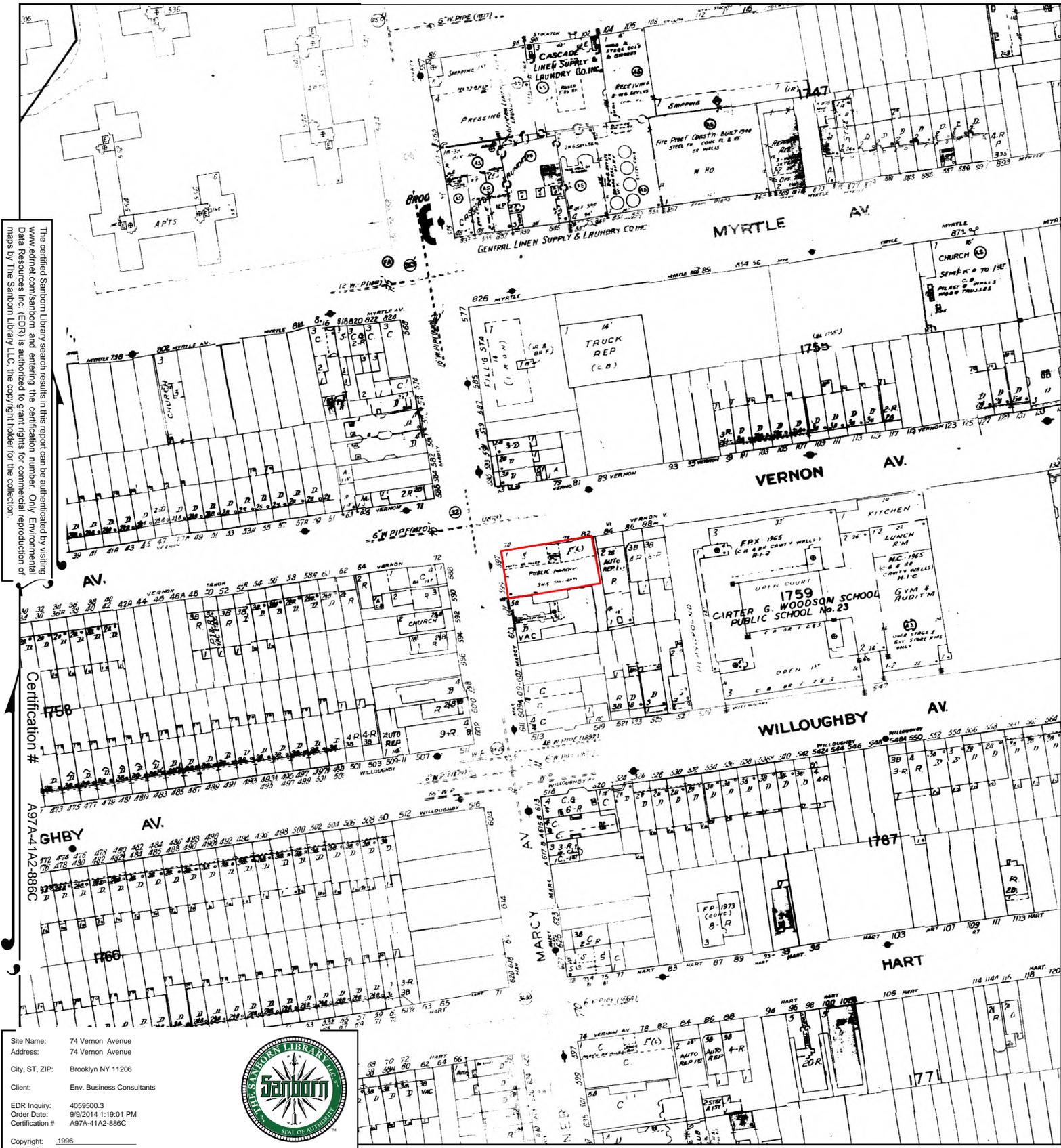
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1996 Certified Sanborn Map



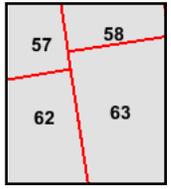
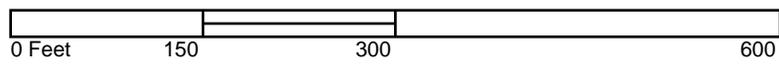
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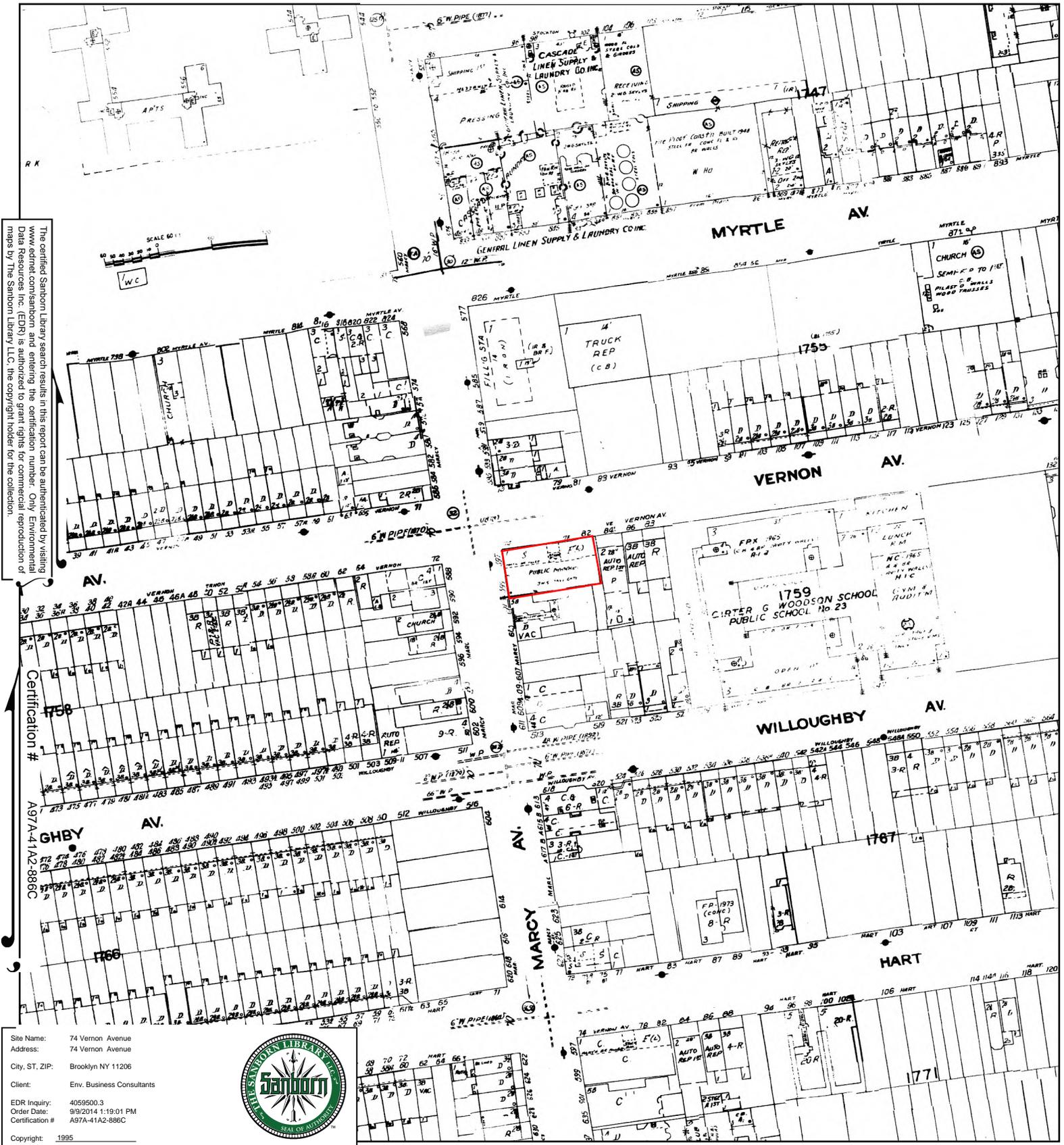
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1995 Certified Sanborn Map



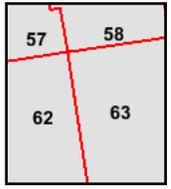
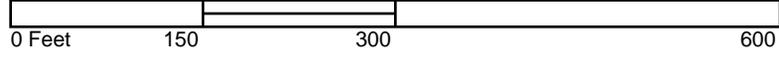
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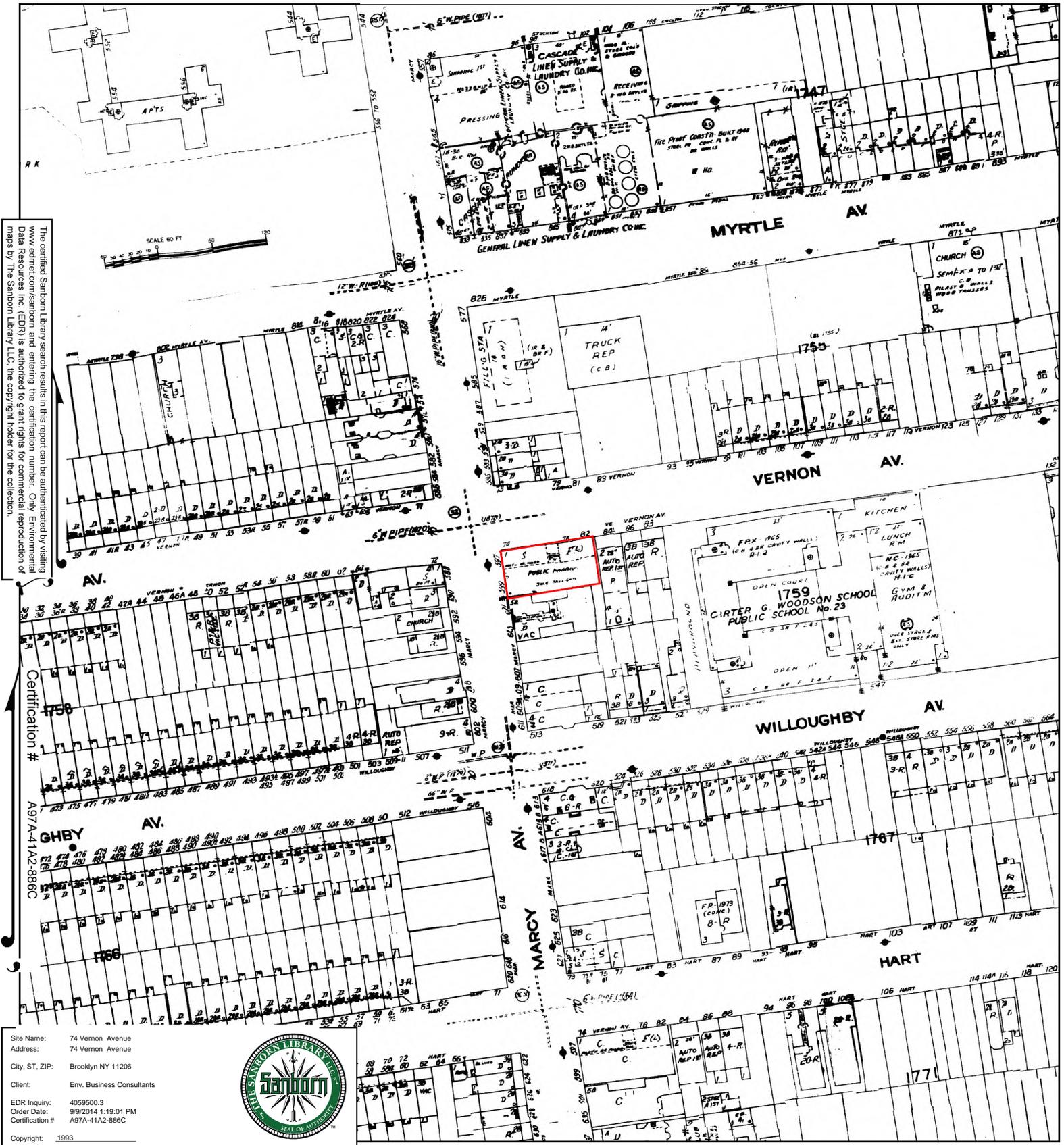
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1993 Certified Sanborn Map



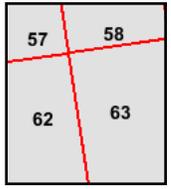
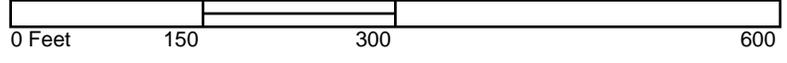
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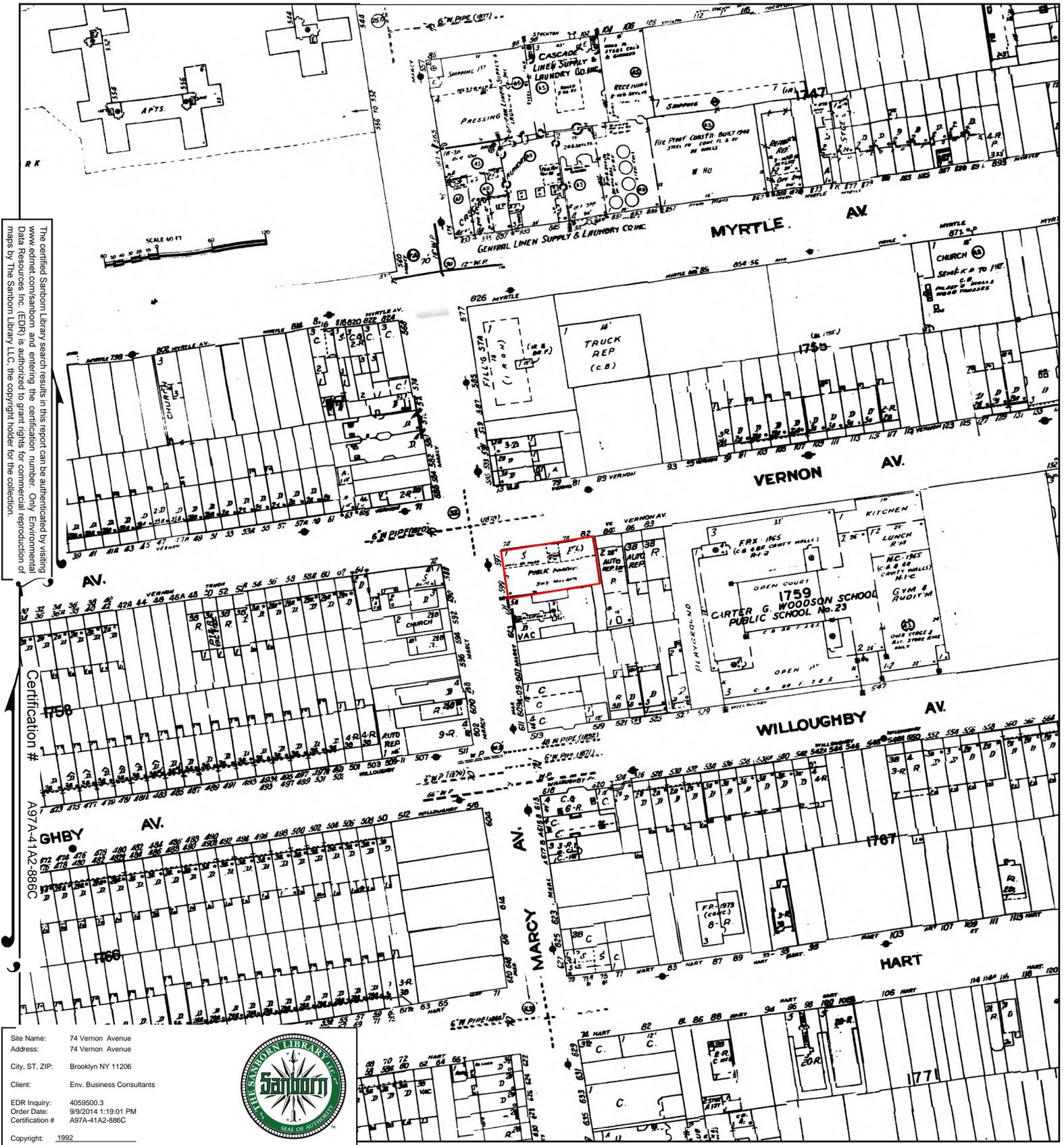
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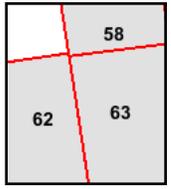
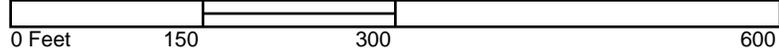
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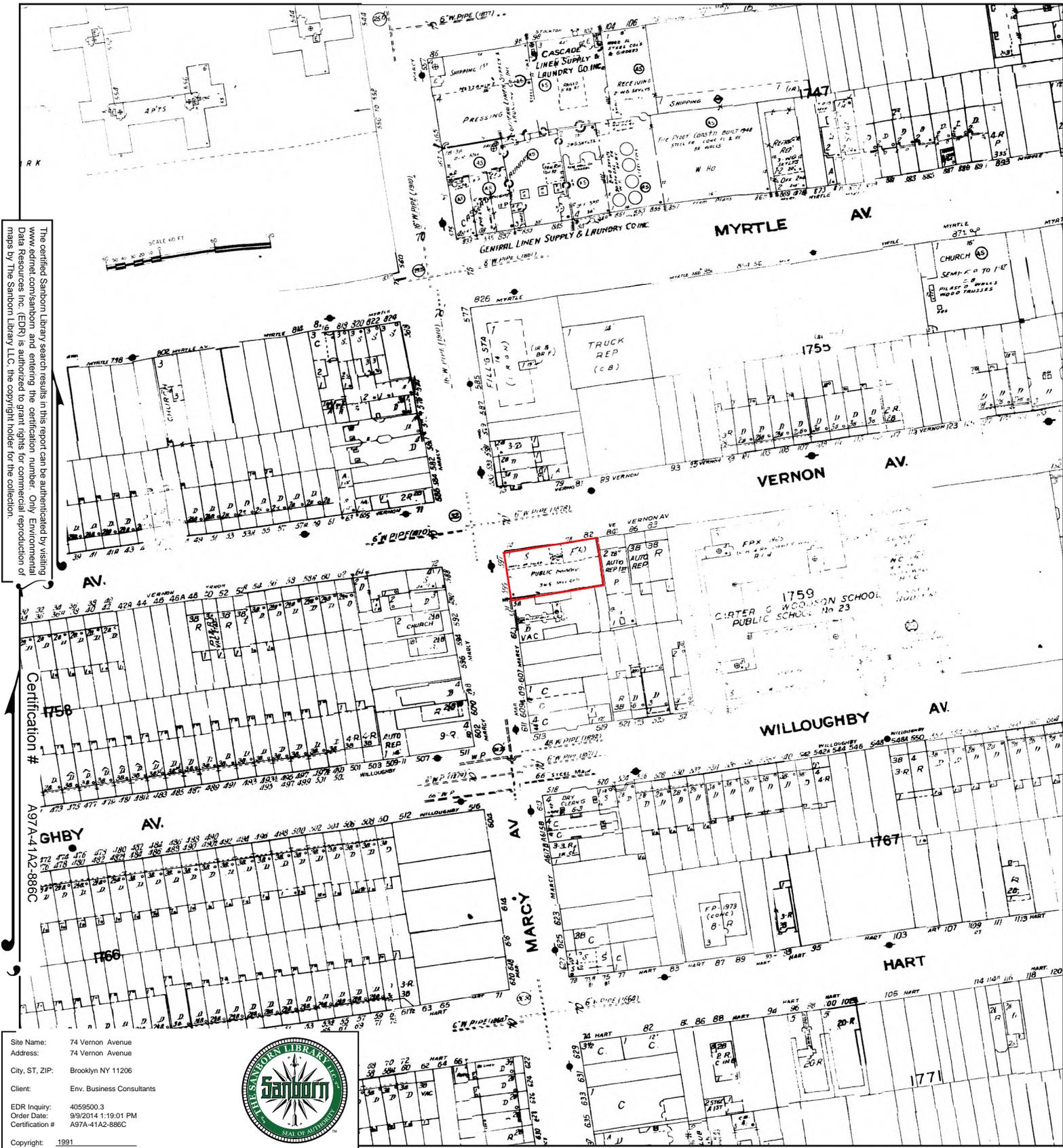
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1991 Certified Sanborn Map



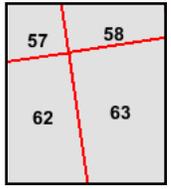
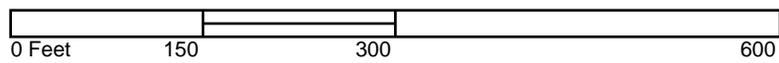
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1989 Certified Sanborn Map

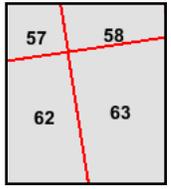
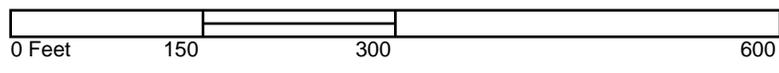


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1987 Certified Sanborn Map

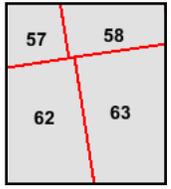
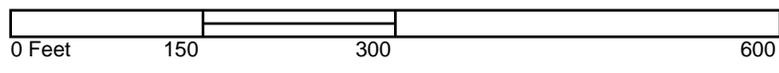
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1986 Certified Sanborn Map



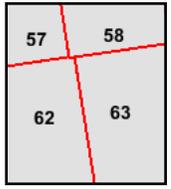
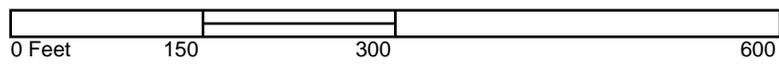
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1984 Certified Sanborn Map



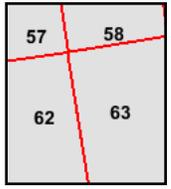
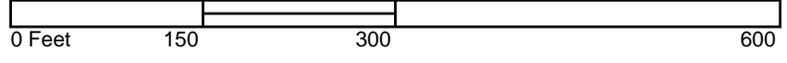
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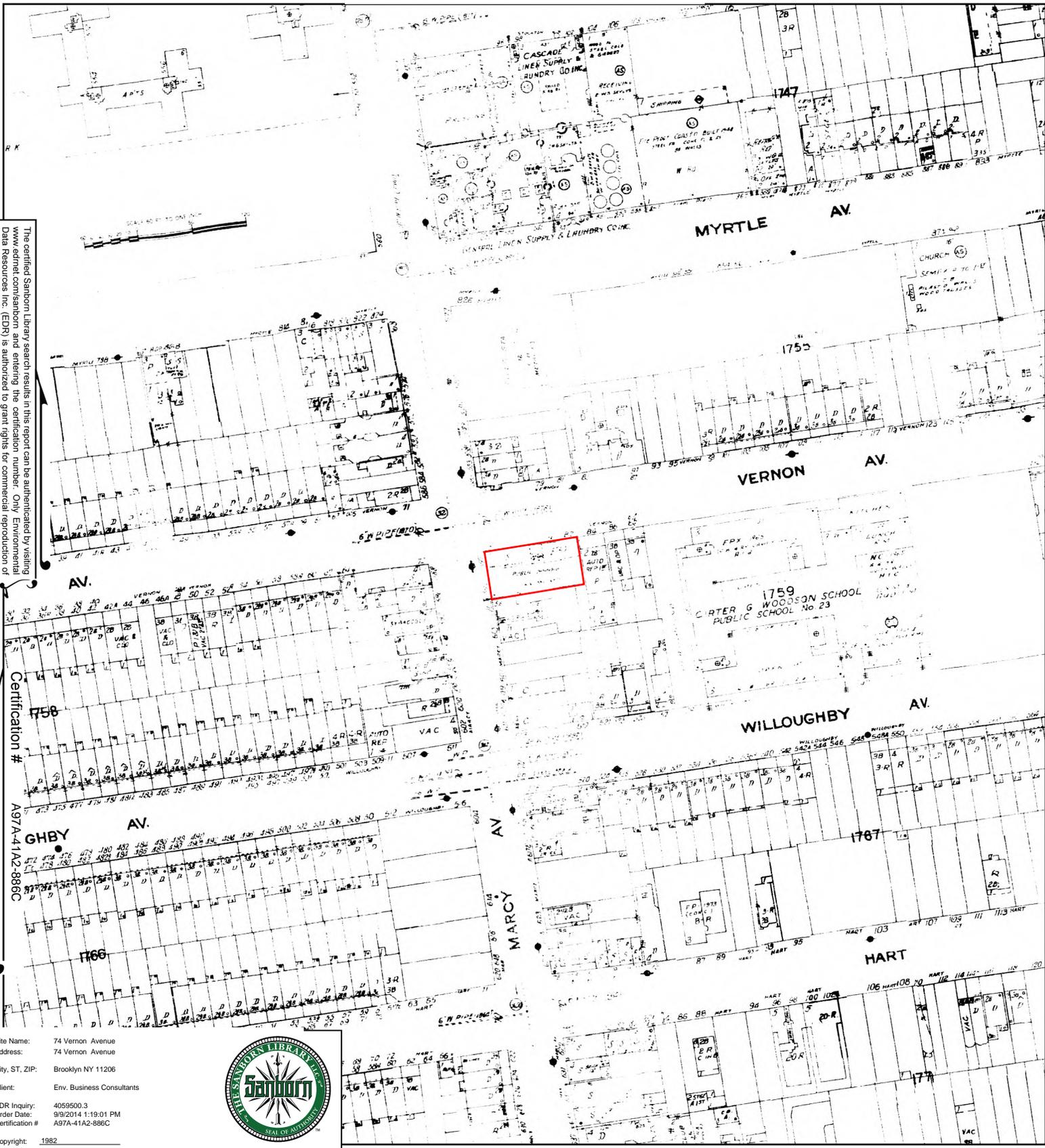


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1982 Certified Sanborn Map

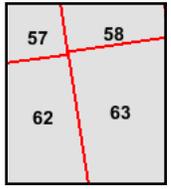
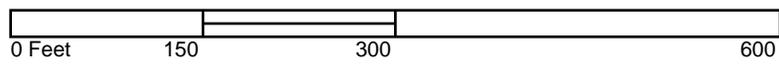
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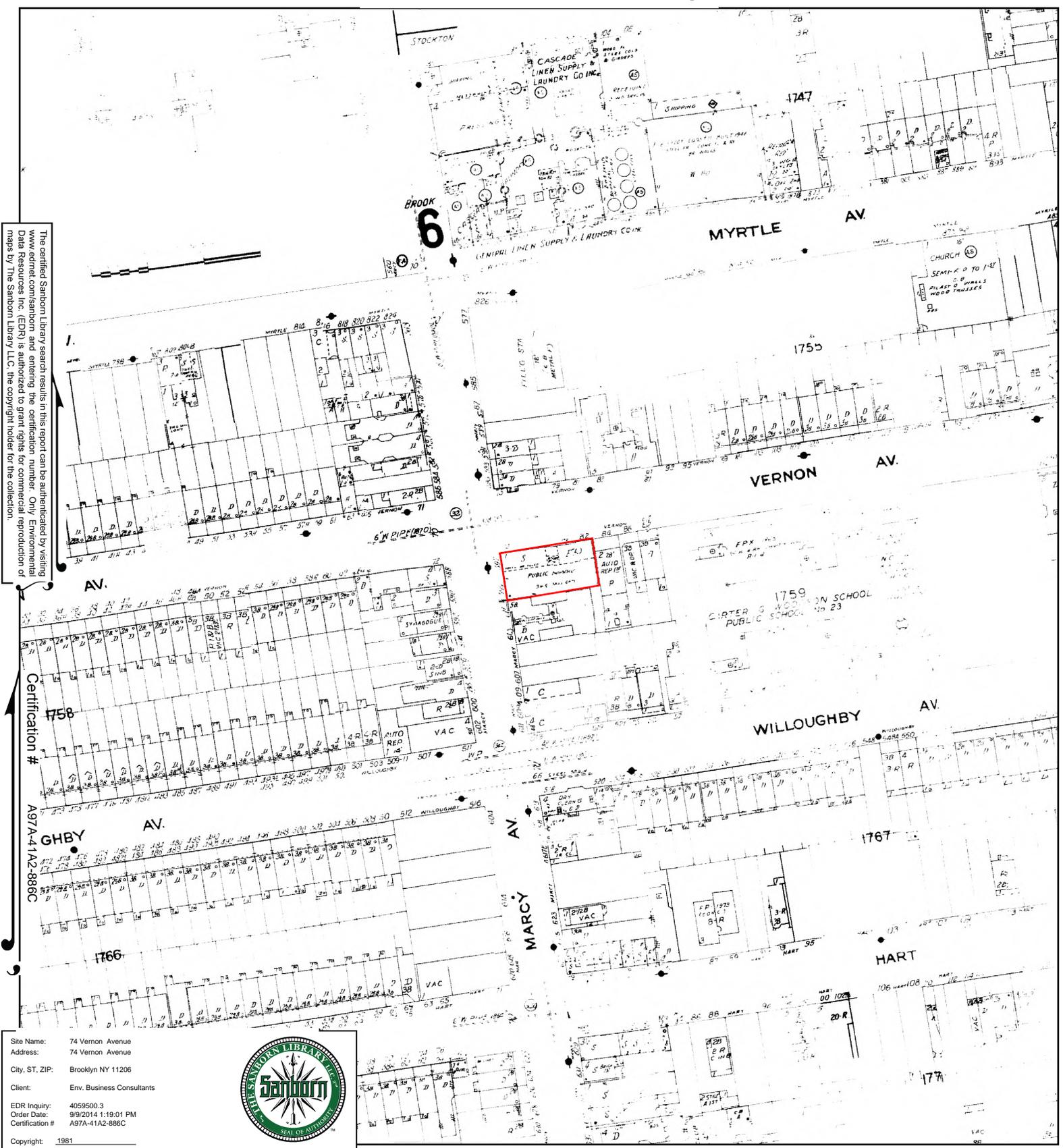


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1981 Certified Sanborn Map

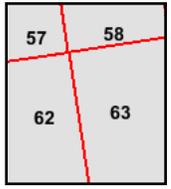
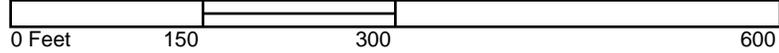
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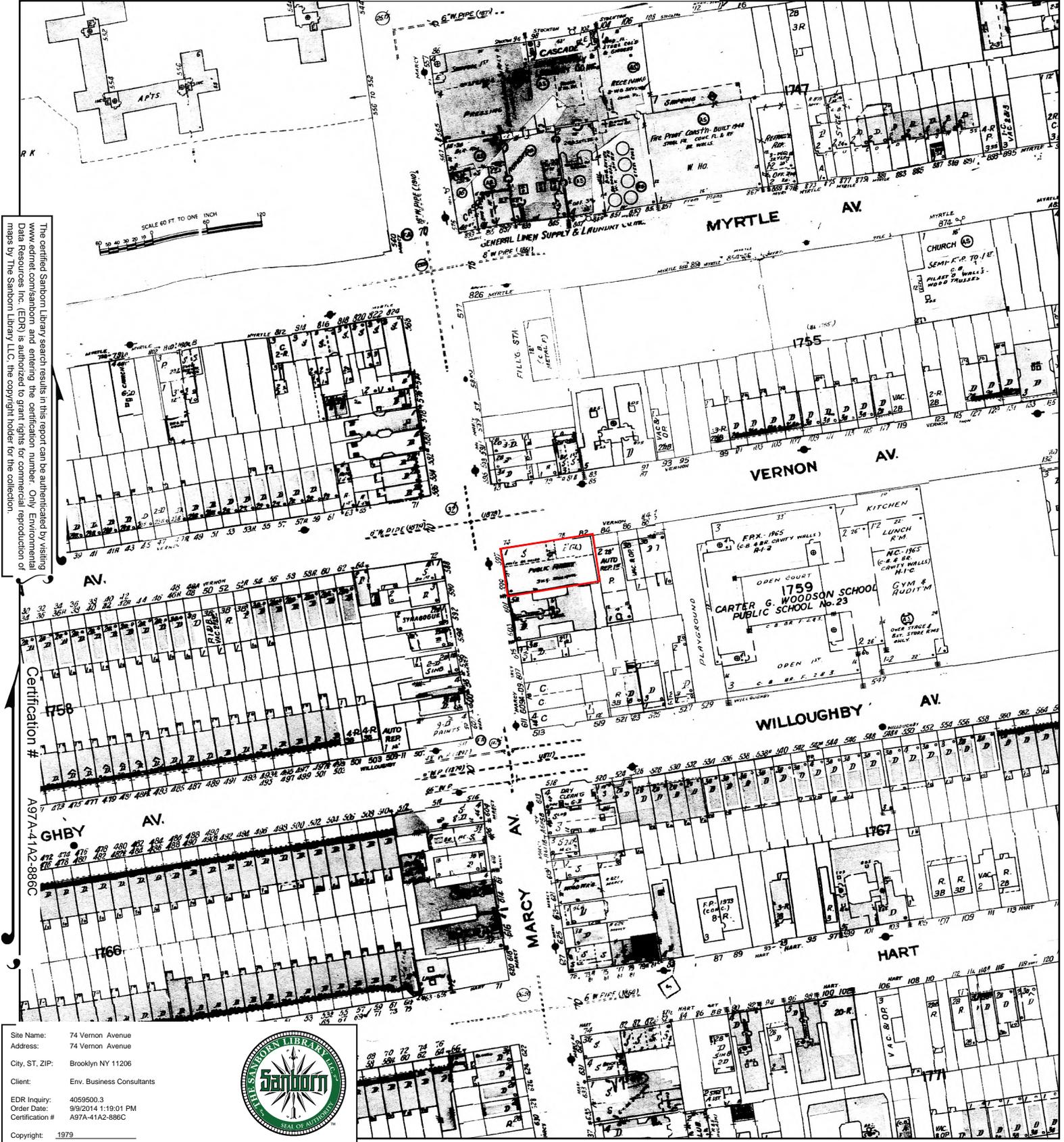
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1979 Certified Sanborn Map

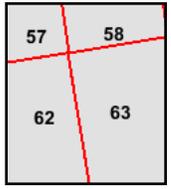
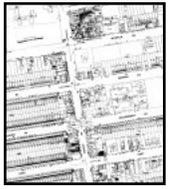
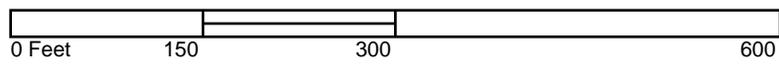


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1977 Certified Sanborn Map

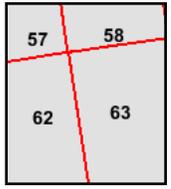
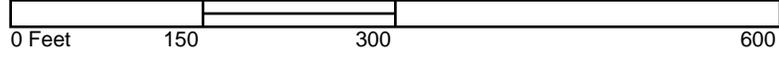
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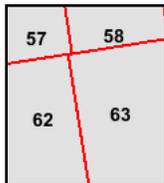
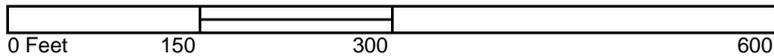
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1965 Certified Sanborn Map



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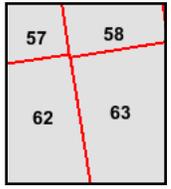
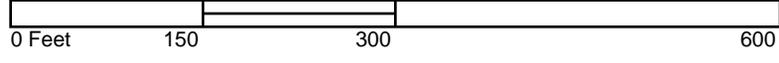
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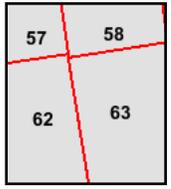
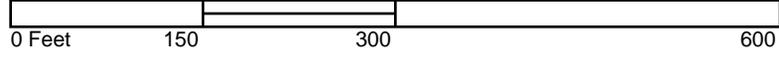


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1935 Certified Sanborn Map



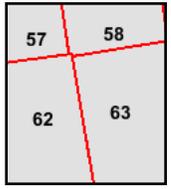
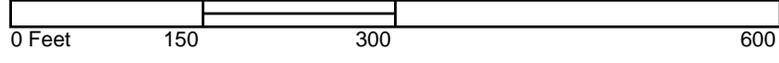
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- Volume 3, Sheet 63



1918 Certified Sanborn Map



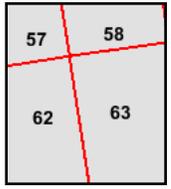
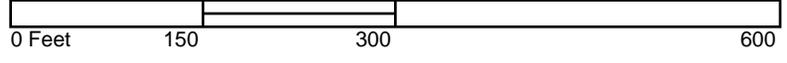
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Certification #
A97A-41A2-896C

Site Name: 74 Vernon Avenue
 Address: 74 Vernon Avenue
 City, ST, ZIP: Brooklyn NY 11206
 Client: Env. Business Consultants
 EDR Inquiry: 4059500.3
 Order Date: 9/9/2014 1:19:01 PM
 Certification #: A97A-41A2-896C
 Copyright: 1918



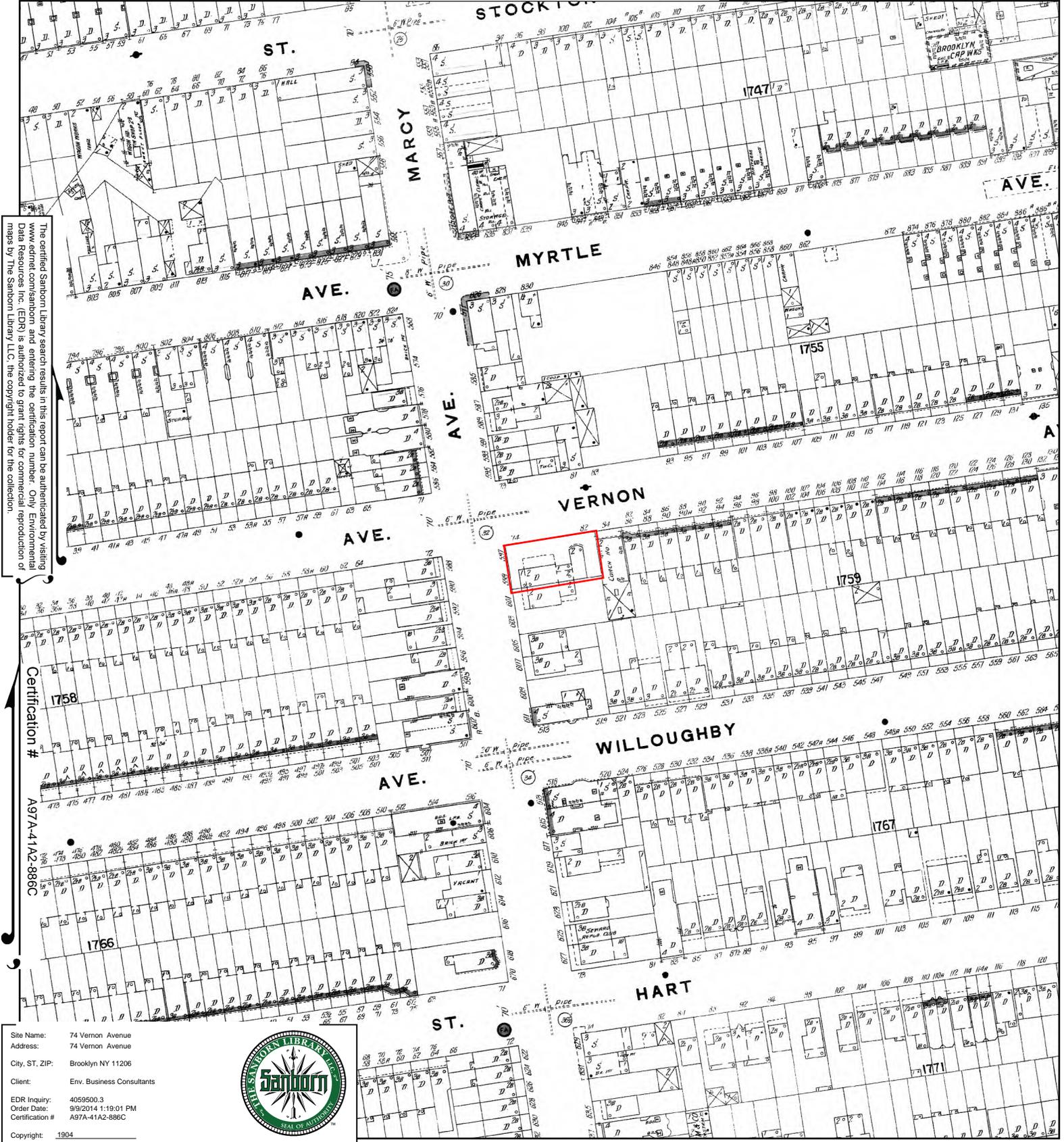
This Certified Sanborn Map combines the following sheets.
 Outlined areas indicate map sheets within the collection.



- Volume 3, Sheet 57
- Volume 3, Sheet 58
- Volume 3, Sheet 62
- Volume 3, Sheet 63



1904 Certified Sanborn Map



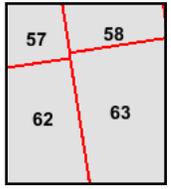
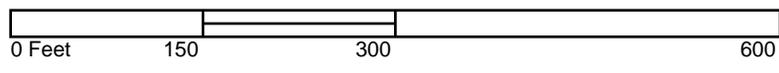
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Certification #
A97A-41A2-886C

Site Name: 74 Vernon Avenue
 Address: 74 Vernon Avenue
 City, ST, ZIP: Brooklyn NY 11206
 Client: Env. Business Consultants
 EDR Inquiry: 4059500.3
 Order Date: 9/9/2014 1:19:01 PM
 Certification #: A97A-41A2-886C
 Copyright: 1904



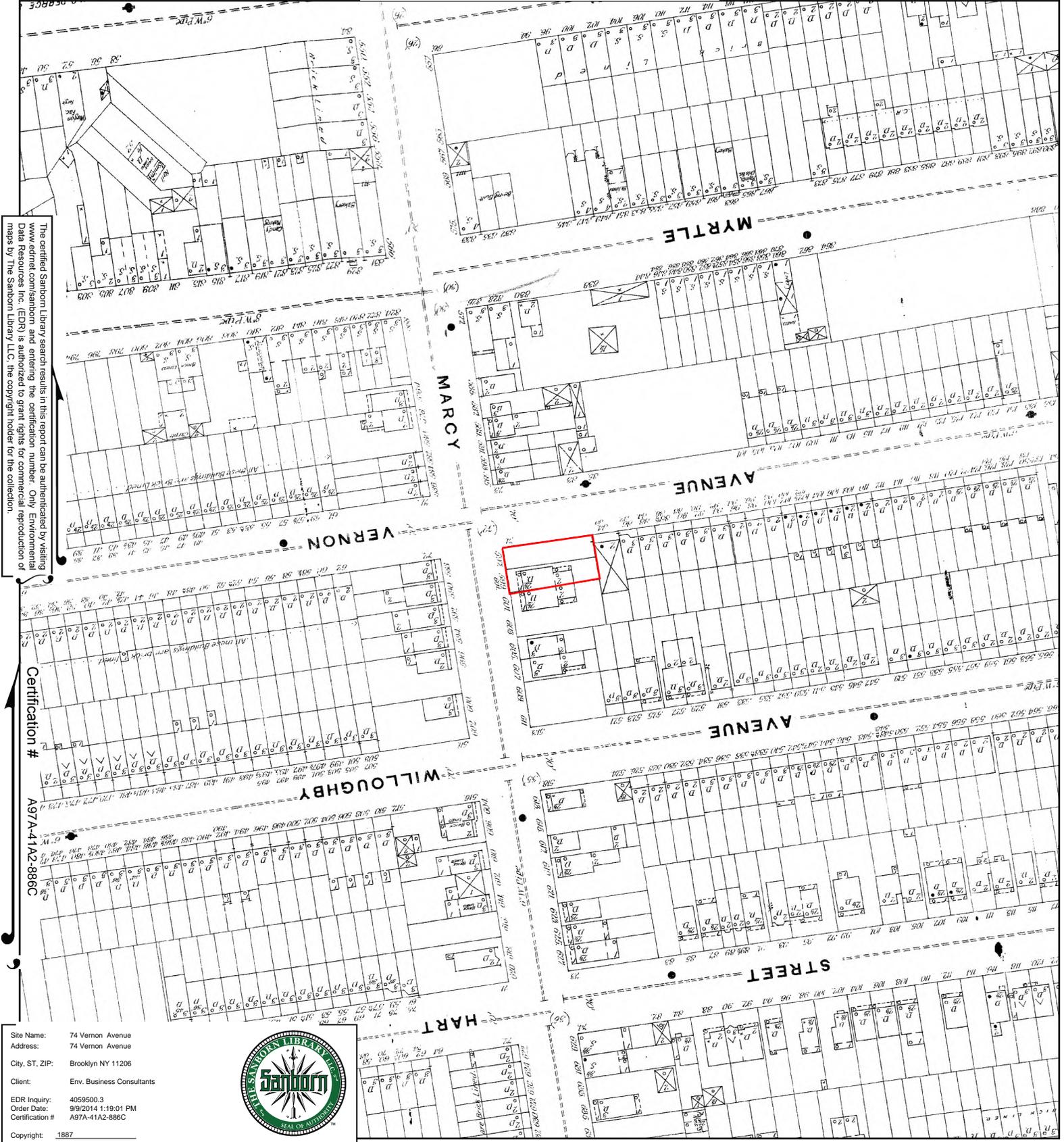
This Certified Sanborn Map combines the following sheets.
 Outlined areas indicate map sheets within the collection.



- Volume 3, Sheet 62
- Volume 3, Sheet 63
- Volume 3, Sheet 57
- Volume 3, Sheet 58



1887 Certified Sanborn Map



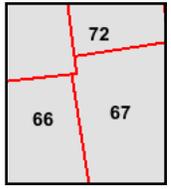
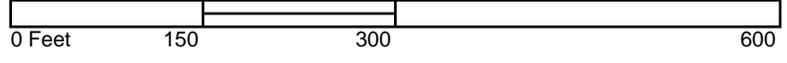
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Certification #
A97A-41A2-886C



Site Name: 74 Vernon Avenue
 Address: 74 Vernon Avenue
 City, ST, ZIP: Brooklyn NY 11206
 Client: Env. Business Consultants
 EDR Inquiry: 4059500.3
 Order Date: 9/9/2014 1:19:01 PM
 Certification # A97A-41A2-886C
 Copyright: 1887

This Certified Sanborn Map combines the following sheets.
 Outlined areas indicate map sheets within the collection.



- Volume 3, Sheet 72
- Volume 3, Sheet 66
- Volume 3, Sheet 67
- Volume 3, Sheet 72



ATTACHMENT B
Soil Boring Logs

Geologic Boring Log Details



ENVIRONMENTAL BUSINESS CONSULTANTS

B1 Boring Log

Location: Performed in the Southeast corner of the Site.		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: WFM 1401	Address: 74 Vernon Avenue, Brooklyn, NY	Date	DTW
Drilling Company: C ² Environmental		Groundwater depth	
Date Started: 10/15/2014	Method: Geoprobe	Not Detected	
Completion Depth: 15 Feet	Date Completed: 10/15/2014	Well Specifications	
	Geologist Reuben Levinton	None	

B1 (NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	PID (ppm)	
	0				6"- Concrete, rock, and dust (Fill Material) 29"- Brown silty sand with rocks
	to	35		0.0	<i>*Retained soil sample B1(0-2')</i>
	5				
	to	34		0.0	16"- Brown sand 1"- Rock layer 17"- Brown sand
	10				
	to	27		0.0	1"- Brown silty sand 5"- Rock layer 21"- Brown sand
	15				<i>*Retained soil sample B1(11-12')</i>

Geologic Boring Log Details



ENVIRONMENTAL BUSINESS CONSULTANTS

B4 Boring Log

Location: Performed towards the north side of the Site, closer to Vernon Avenue.		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: WFM 1401	Address: 74 Vernon Avenue, Brooklyn, NY	Date	DTW
Drilling Company: C ² Environmental		Groundwater depth	
Method: Geoprobe		Not Detected	
Date Started: 10/15/2014	Date Completed: 10/15/2014	Well Specifications	
Completion Depth: 14 Feet	Geologist: Reuben Levinton	None	

B4 (NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Recovery (in.)	Blow per 6 in.	PID (ppm)	
	0				8" - Brown silty sand with rock (Fill material) 14" - Brown sand
	to	22		0.0	
	5				*Retained soil sample B4(0-2')
	to	38		0.0	33" - Brown silty sand 5" - Coarse brown sand
	10				
	to	24		0.0	24" - Coarse brown sand with rocks *Refusal hit at 14' could not reach 15'
	14				*Retained soil sample B4(11-13')

Geologic Boring Log Details



ENVIRONMENTAL BUSINESS CONSULTANTS

B5 Boring Log

Location: Performed on western side of the proposed courtyard towards the center of the Site.		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: WFM 1401	Address: 74 Vernon Avenue, Brooklyn, NY	Date	DTW
Drilling Company: C ² Environmental		Groundwater depth	
Method: Geoprobe		Not Detected	
Date Started: 10/13/2014	Date Completed: 10/13/2014	Well Specifications	
Completion Depth: 15 Feet	Geologist: Reuben Levinton	None	

B5 (NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Recovery (in.)	Blow per 6 in.	PID (ppm)	
	0				5"- Wood and tile (Fill material) 2"- Rock
	to	28		14.0	21"- Brown silty sand Odor detected <i>*Retained soil sample B5(0-2')</i>
	5				32"- Brown silty sand with rock
	to	32		0.0	
	10				3"- Coarse brown sand 1"- Rock
	to	32		0.0	28"- Coarse brown sand <i>*Retained soil sample B5(11-13')</i>
	15				

ATTACHMENT C
Groundwater Sampling Logs

GROUNDWATER PURGE / SAMPLE LOGS



ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: MW1

Date: 10/16/2014

Well Depth (from TOC): 50

Equipment: Check Valve

Static Water Level (from TOC): 17

Field Personnel: Reuben L.

Height of Water in Well: 33

Gallons of Water per Well Volume: 1.32

Flow Rate: 400ml/min.

Time	Time (24Hr)	Pump Rate	Gal. Removed	pH	Cond. (µS/cm)	Temp. (°F)	DO (mg/L)	Comments
0.00	8:30	400ml/min	0					turbid
2.00	8:32	400ml/min	0					turbid
4.00	8:34	400ml/min	0					clear
6.00	8:36	400ml/min	0					clear

Note 400 ml = 0.11 gallons

ATTACHMENT D
Soil Gas Sampling Logs

Data Delivery:

Fax #:

Email: File

Phone #:

Report to:	Invoice to: <u>EBC</u>	Project Name: <u>74 Vernon Ave Bklyn NJ</u>
Customer: <u>EBC</u>		Requested Deliverable: RCP <input type="checkbox"/> ASP CAT B <input type="checkbox"/>
Address: <u>1808 Middle Country Rd</u> <u>Ridge, NY 11961</u>	Sampled by:	MCP <input type="checkbox"/> NJ Deliverables <input type="checkbox"/>
		State where samples collected: <u>NJ</u>

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
29007	S92	12855	6.0	-30	-0	0331	41.0	1119	1257	10-16	-29	-8					
29008	S91	477	↓	↓	-0	4980	↓	1127	1303	10-16	-30	-9					
29009	S94	480	↓	↓	-4	5708	↓	1130	1308	10-16	-28	-6					
29010	S95	12856	↓	↓	-5	4957	↓	1125	1259	10-16	-30	-8					
29011	S93	11290	↓	↓	-5	4981	↓	1122	1301	10-16	-30	-9					
	6L 2HR																

Relinquished by:	Accepted by:	Date: <u>10-17-14</u>	Time: <u>11:50</u>	Data Format: Excel <input checked="" type="checkbox"/>	Equis <input type="checkbox"/>	GISKey <input type="checkbox"/>
		<u>10-17-14</u>	<u>10:50</u>	PDF <input type="checkbox"/>	Other: <input type="checkbox"/>	

SPECIAL INSTRUCTIONS, OC REQUIREMENTS, REGULATORY INFORMATION:

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 in Digital Format



Thursday, October 23, 2014

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

Project ID: 74 VERNON AVE BROOKLYN
Sample ID#s: BH28329 - BH28340

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,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

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



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



SDG Comments

October 23, 2014

SDG I.D.: GBH28329

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.



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

Analysis Report

October 23, 2014

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

Sample Information

Matrix: SOLID
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by:
 Received by: SW
 Analyzed by: see "By" below

Date

10/15/14
 10/16/14

Time

8:00
 14:53

Laboratory Data

SDG ID: GBH28329
 Phoenix ID: BH28329

Project ID: 74 VERNON AVE BROOKLYN
 Client ID: SB1 0-2 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.33	0.33	0.33	mg/Kg	10/17/14	LK	SW6010
Aluminum	8920	33	6.6	mg/Kg	10/17/14	LK	SW6010
Arsenic	3.1	0.7	0.66	mg/Kg	10/17/14	LK	SW6010
Barium	55.5	0.7	0.33	mg/Kg	10/17/14	LK	SW6010
Beryllium	0.47	* 0.26	0.13	mg/Kg	10/17/14	LK	SW6010
Calcium	12400	33	30	mg/Kg	10/17/14	LK	SW6010
Cadmium	< 0.33	0.33	0.13	mg/Kg	10/17/14	LK	SW6010
Cobalt	7.10	0.33	0.33	mg/Kg	10/17/14	LK	SW6010
Chromium	16.3	0.33	0.33	mg/Kg	10/17/14	LK	SW6010
Copper	17.7	0.33	0.33	mg/kg	10/17/14	LK	SW6010
Iron	17600	33	33	mg/Kg	10/17/14	LK	SW6010
Mercury	0.07	B 0.08	0.05	mg/Kg	10/17/14	RS	SW-7471
Potassium	1040	N 7	2.6	mg/Kg	10/17/14	LK	SW6010
Magnesium	2450	3.3	3.3	mg/Kg	10/17/14	LK	SW6010
Manganese	347	N 3.3	3.3	mg/Kg	10/17/14	LK	SW6010
Sodium	107	N 7	2.8	mg/Kg	10/17/14	LK	SW6010
Nickel	13.9	0.33	0.33	mg/Kg	10/17/14	LK	SW6010
Lead	406	6.6	3.3	mg/Kg	10/17/14	LK	SW6010
Antimony	< 1.7	1.7	1.7	mg/Kg	10/17/14	LK	SW6010
Selenium	< 1.3	1.3	1.1	mg/Kg	10/17/14	LK	SW6010
Thallium	< 1.3	1.3	1.3	mg/Kg	10/17/14	LK	SW6010
Vanadium	26.5	0.3	0.33	mg/Kg	10/17/14	LK	SW6010
Zinc	87.2	0.7	0.33	mg/Kg	10/17/14	LK	SW6010
Percent Solid	91			%	10/16/14	I	E160.3
Soil Extraction for PCB	Completed				10/16/14	CB/H	SW3545
Soil Extraction for Pesticide	Completed				10/16/14	CB	SW3545
Soil Extraction for SVOA	Completed				10/16/14	CJ/VH	SW3545
Mercury Digestion	Completed				10/17/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				10/16/14	CB/AG	SW846 - 3050
Field Extraction	Completed				10/15/14		SW5035

Polychlorinated Biphenyls

PCB-1016	ND	36	36	ug/Kg	10/17/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	10/17/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	10/17/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	10/17/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	10/17/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	10/17/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	10/17/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	10/17/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	10/17/14	AW	SW 8082

QA/QC Surrogates

% DCBP	95			%	10/17/14	AW	30 - 150 %
% TCMX	92			%	10/17/14	AW	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.2	2.2	ug/Kg	10/17/14	KCA	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	10/17/14	KCA	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	10/17/14	KCA	SW8081
a-BHC	ND	7.3	7.3	ug/Kg	10/17/14	KCA	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	10/17/14	KCA	SW8081
Aldrin	ND	3.6	3.6	ug/Kg	10/17/14	KCA	SW8081
b-BHC	ND	7.3	7.3	ug/Kg	10/17/14	KCA	SW8081
Chlordane	ND	36	36	ug/Kg	10/17/14	KCA	SW8081
d-BHC	ND	7.3	7.3	ug/Kg	10/17/14	KCA	SW8081
Dieldrin	ND	3.6	3.6	ug/Kg	10/17/14	KCA	SW8081
Endosulfan I	ND	7.3	7.3	ug/Kg	10/17/14	KCA	SW8081
Endosulfan II	ND	7.3	7.3	ug/Kg	10/17/14	KCA	SW8081
Endosulfan sulfate	ND	7.3	7.3	ug/Kg	10/17/14	KCA	SW8081
Endrin	ND	7.3	7.3	ug/Kg	10/17/14	KCA	SW8081
Endrin aldehyde	ND	7.3	7.3	ug/Kg	10/17/14	KCA	SW8081
Endrin ketone	ND	7.3	7.3	ug/Kg	10/17/14	KCA	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	10/17/14	KCA	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	10/17/14	KCA	SW8081
Heptachlor	ND	7.3	7.3	ug/Kg	10/17/14	KCA	SW8081
Heptachlor epoxide	ND	7.3	7.3	ug/Kg	10/17/14	KCA	SW8081
Methoxychlor	ND	36	36	ug/Kg	10/17/14	KCA	SW8081
Toxaphene	ND	150	150	ug/Kg	10/17/14	KCA	SW8081

QA/QC Surrogates

% DCBP	98			%	10/17/14	KCA	30 - 150 %
% TCMX	94			%	10/17/14	KCA	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	6.5	1.1	ug/Kg	10/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	6.5	1.3	ug/Kg	10/17/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	6.5	0.92	ug/Kg	10/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	6.5	0.64	ug/Kg	10/17/14	JLI	SW8260
1,1-Dichloroethane	ND	6.5	1.3	ug/Kg	10/17/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloroethene	ND	6.5	1.4	ug/Kg	10/17/14	JLI	SW8260
1,1-Dichloropropene	ND	6.5	1.3	ug/Kg	10/17/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	6.5	1.3	ug/Kg	10/17/14	JLI	SW8260
1,2,3-Trichloropropane	ND	6.5	0.92	ug/Kg	10/17/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	6.5	1.3	ug/Kg	10/17/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	6.5	0.93	ug/Kg	10/17/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	6.5	1.7	ug/Kg	10/17/14	JLI	SW8260
1,2-Dibromoethane	ND	6.5	1.7	ug/Kg	10/17/14	JLI	SW8260
1,2-Dichlorobenzene	ND	6.5	0.71	ug/Kg	10/17/14	JLI	SW8260
1,2-Dichloroethane	ND	6.5	0.57	ug/Kg	10/17/14	JLI	SW8260
1,2-Dichloropropane	ND	6.5	0.92	ug/Kg	10/17/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	6.5	0.86	ug/Kg	10/17/14	JLI	SW8260
1,3-Dichlorobenzene	ND	6.5	0.96	ug/Kg	10/17/14	JLI	SW8260
1,3-Dichloropropane	ND	6.5	0.69	ug/Kg	10/17/14	JLI	SW8260
1,4-Dichlorobenzene	ND	6.5	1.0	ug/Kg	10/17/14	JLI	SW8260
2,2-Dichloropropane	ND	6.5	1.1	ug/Kg	10/17/14	JLI	SW8260
2-Chlorotoluene	ND	6.5	1.0	ug/Kg	10/17/14	JLI	SW8260
2-Hexanone	ND	32	2.9	ug/Kg	10/17/14	JLI	SW8260
2-Isopropyltoluene	ND	6.5	0.89	ug/Kg	10/17/14	JLI	SW8260
4-Chlorotoluene	ND	6.5	0.75	ug/Kg	10/17/14	JLI	SW8260
4-Methyl-2-pentanone	ND	32	1.5	ug/Kg	10/17/14	JLI	SW8260
Acetone	12	JS 50	6.4	ug/Kg	10/17/14	JLI	SW8260
Acrylonitrile	ND	13	3.6	ug/Kg	10/17/14	JLI	SW8260
Benzene	ND	6.5	1.3	ug/Kg	10/17/14	JLI	SW8260
Bromobenzene	ND	6.5	0.84	ug/Kg	10/17/14	JLI	SW8260
Bromochloromethane	ND	6.5	0.95	ug/Kg	10/17/14	JLI	SW8260
Bromodichloromethane	ND	6.5	0.80	ug/Kg	10/17/14	JLI	SW8260
Bromoform	ND	6.5	0.91	ug/Kg	10/17/14	JLI	SW8260
Bromomethane	ND	6.5	5.0	ug/Kg	10/17/14	JLI	SW8260
Carbon Disulfide	ND	6.5	1.1	ug/Kg	10/17/14	JLI	SW8260
Carbon tetrachloride	ND	6.5	0.75	ug/Kg	10/17/14	JLI	SW8260
Chlorobenzene	ND	6.5	0.96	ug/Kg	10/17/14	JLI	SW8260
Chloroethane	ND	6.5	1.5	ug/Kg	10/17/14	JLI	SW8260
Chloroform	ND	6.5	1.2	ug/Kg	10/17/14	JLI	SW8260
Chloromethane	ND	6.5	3.4	ug/Kg	10/17/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	6.5	1.4	ug/Kg	10/17/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	6.5	0.70	ug/Kg	10/17/14	JLI	SW8260
Dibromochloromethane	ND	6.5	0.73	ug/Kg	10/17/14	JLI	SW8260
Dibromomethane	ND	6.5	0.82	ug/Kg	10/17/14	JLI	SW8260
Dichlorodifluoromethane	ND	6.5	1.7	ug/Kg	10/17/14	JLI	SW8260
Ethylbenzene	ND	6.5	1.2	ug/Kg	10/17/14	JLI	SW8260
Hexachlorobutadiene	ND	6.5	1.4	ug/Kg	10/17/14	JLI	SW8260
Isopropylbenzene	ND	6.5	1.2	ug/Kg	10/17/14	JLI	SW8260
m&p-Xylene	ND	6.5	2.6	ug/Kg	10/17/14	JLI	SW8260
Methyl Ethyl Ketone	ND	39	5.6	ug/Kg	10/17/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	13	1.8	ug/Kg	10/17/14	JLI	SW8260
Methylene chloride	ND	6.5	1.1	ug/Kg	10/17/14	JLI	SW8260
Naphthalene	ND	6.5	1.7	ug/Kg	10/17/14	JLI	SW8260
n-Butylbenzene	ND	6.5	1.2	ug/Kg	10/17/14	JLI	SW8260

1

B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
n-Propylbenzene	ND	6.5	1.2	ug/Kg	10/17/14	JLI	SW8260
o-Xylene	ND	6.5	2.5	ug/Kg	10/17/14	JLI	SW8260
p-Isopropyltoluene	ND	6.5	0.93	ug/Kg	10/17/14	JLI	SW8260
sec-Butylbenzene	ND	6.5	1.2	ug/Kg	10/17/14	JLI	SW8260
Styrene	ND	6.5	1.9	ug/Kg	10/17/14	JLI	SW8260
tert-Butylbenzene	ND	6.5	1.0	ug/Kg	10/17/14	JLI	SW8260
Tetrachloroethene	ND	6.5	1.4	ug/Kg	10/17/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	13	5.8	ug/Kg	10/17/14	JLI	SW8260
Toluene	ND	6.5	1.0	ug/Kg	10/17/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	6.5	1.3	ug/Kg	10/17/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	6.5	1.3	ug/Kg	10/17/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	13	12	ug/Kg	10/17/14	JLI	SW8260
Trichloroethene	ND	6.5	1.4	ug/Kg	10/17/14	JLI	SW8260
Trichlorofluoromethane	ND	6.5	1.4	ug/Kg	10/17/14	JLI	SW8260
Trichlorotrifluoroethane	ND	6.5	1.0	ug/Kg	10/17/14	JLI	SW8260
Vinyl chloride	ND	6.5	2.1	ug/Kg	10/17/14	JLI	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	102			%	10/17/14	JLI	70 - 121 %
% Bromofluorobenzene	101			%	10/17/14	JLI	59 - 113 %
% Dibromofluoromethane	85			%	10/17/14	JLI	70 - 130 %
% Toluene-d8	93			%	10/17/14	JLI	84 - 138 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
1,2-Dichlorobenzene	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
1,3-Dichlorobenzene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
1,4-Dichlorobenzene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	10/17/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
2,4-Dichlorophenol	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
2,4-Dimethylphenol	ND	250	88	ug/Kg	10/17/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	250	ug/Kg	10/17/14	DD	SW 8270
2,4-Dinitrotoluene	ND	250	140	ug/Kg	10/17/14	DD	SW 8270
2,6-Dinitrotoluene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
2-Chlorophenol	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
2-Methylnaphthalene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	10/17/14	DD	SW 8270
2-Nitroaniline	ND	1800	360	ug/Kg	10/17/14	DD	SW 8270
2-Nitrophenol	ND	250	230	ug/Kg	10/17/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	10/17/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	710	170	ug/Kg	10/17/14	DD	SW 8270
3-Nitroaniline	ND	1800	770	ug/Kg	10/17/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	380	ug/Kg	10/17/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
4-Chloroaniline	ND	710	170	ug/Kg	10/17/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	10/17/14	DD	SW 8270

Client ID: SB1 0-2 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitroaniline	ND	1800	120	ug/Kg	10/17/14	DD	SW 8270
4-Nitrophenol	ND	1800	160	ug/Kg	10/17/14	DD	SW 8270
Acenaphthene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Acenaphthylene	ND	250	99	ug/Kg	10/17/14	DD	SW 8270
Acetophenone	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Aniline	ND	1800	720	ug/Kg	10/17/14	DD	SW 8270
Anthracene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Benz(a)anthracene	210	J 250	120	ug/Kg	10/17/14	DD	SW 8270
Benzidine	ND	710	210	ug/Kg	10/17/14	DD	SW 8270
Benzo(a)pyrene	180	J 250	120	ug/Kg	10/17/14	DD	SW 8270
Benzo(b)fluoranthene	240	J 250	120	ug/Kg	10/17/14	DD	SW 8270
Benzo(ghi)perylene	130	J 250	120	ug/Kg	10/17/14	DD	SW 8270
Benzo(k)fluoranthene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Benzoic acid	ND	1800	710	ug/Kg	10/17/14	DD	SW 8270
Benzyl butyl phthalate	ND	250	92	ug/Kg	10/17/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	98	ug/Kg	10/17/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	250	96	ug/Kg	10/17/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	99	ug/Kg	10/17/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
Carbazole	ND	1800	270	ug/Kg	10/17/14	DD	SW 8270
Chrysene	250	250	120	ug/Kg	10/17/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Dibenzofuran	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
Diethyl phthalate	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Dimethylphthalate	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Di-n-butylphthalate	ND	250	94	ug/Kg	10/17/14	DD	SW 8270
Di-n-octylphthalate	ND	250	92	ug/Kg	10/17/14	DD	SW 8270
Fluoranthene	460	250	120	ug/Kg	10/17/14	DD	SW 8270
Fluorene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Hexachlorobenzene	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
Hexachlorobutadiene	ND	250	130	ug/Kg	10/17/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Hexachloroethane	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Isophorone	ND	250	99	ug/Kg	10/17/14	DD	SW 8270
Naphthalene	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
Nitrobenzene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
N-Nitrosodimethylamine	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	10/17/14	DD	SW 8270
Pentachloronitrobenzene	ND	250	130	ug/Kg	10/17/14	DD	SW 8270
Pentachlorophenol	ND	250	130	ug/Kg	10/17/14	DD	SW 8270
Phenanthrene	390	250	100	ug/Kg	10/17/14	DD	SW 8270
Phenol	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Pyrene	430	250	120	ug/Kg	10/17/14	DD	SW 8270
Pyridine	ND	250	87	ug/Kg	10/17/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	71			%	10/17/14	DD	19 - 122 %
% 2-Fluorobiphenyl	88			%	10/17/14	DD	30 - 115 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorophenol	71			%	10/17/14	DD	25 - 121 %
% Nitrobenzene-d5	77			%	10/17/14	DD	23 - 120 %
% Phenol-d5	81			%	10/17/14	DD	24 - 113 %
% Terphenyl-d14	86			%	10/17/14	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, no bias suspected.

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

Comments:

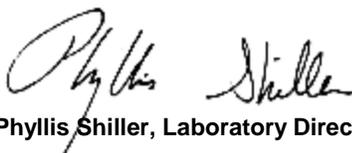
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are 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

October 23, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



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

Analysis Report
 October 23, 2014

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

Sample Information

Matrix: SOLID
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by:
 Received by: SW
 Analyzed by: see "By" below

Date

10/15/14
 10/16/14

Time

8:30
 14:53

Laboratory Data

SDG ID: GBH28329
 Phoenix ID: BH28330

Project ID: 74 VERNON AVE BROOKLYN
 Client ID: SB1 11-12 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	0.36	mg/Kg	10/17/14	LK	SW6010
Aluminum	2700	36	7.2	mg/Kg	10/17/14	LK	SW6010
Arsenic	0.8	0.7	0.72	mg/Kg	10/17/14	LK	SW6010
Barium	16.2	0.7	0.36	mg/Kg	10/17/14	LK	SW6010
Beryllium	0.19	B* 0.29	0.14	mg/Kg	10/17/14	LK	SW6010
Calcium	784	3.6	3.3	mg/Kg	10/17/14	LK	SW6010
Cadmium	< 0.36	0.36	0.14	mg/Kg	10/17/14	LK	SW6010
Cobalt	2.97	0.36	0.36	mg/Kg	10/17/14	LK	SW6010
Chromium	7.33	0.36	0.36	mg/Kg	10/17/14	LK	SW6010
Copper	6.94	0.36	0.36	mg/kg	10/17/14	LK	SW6010
Iron	7320	3.6	3.6	mg/Kg	10/17/14	LK	SW6010
Mercury	< 0.06	0.06	0.04	mg/Kg	10/17/14	RS	SW-7471
Potassium	453	N 7	2.8	mg/Kg	10/17/14	LK	SW6010
Magnesium	1190	3.6	3.6	mg/Kg	10/17/14	LK	SW6010
Manganese	184	N 3.6	3.6	mg/Kg	10/17/14	LK	SW6010
Sodium	85	N 7	3.1	mg/Kg	10/17/14	LK	SW6010
Nickel	6.98	0.36	0.36	mg/Kg	10/17/14	LK	SW6010
Lead	2.6	0.7	0.36	mg/Kg	10/17/14	LK	SW6010
Antimony	< 1.8	1.8	1.8	mg/Kg	10/17/14	LK	SW6010
Selenium	< 1.4	1.4	1.2	mg/Kg	10/17/14	LK	SW6010
Thallium	< 1.4	1.4	1.4	mg/Kg	10/17/14	LK	SW6010
Vanadium	9.6	0.4	0.36	mg/Kg	10/17/14	LK	SW6010
Zinc	12.0	0.7	0.36	mg/Kg	10/17/14	LK	SW6010
Percent Solid	96			%	10/16/14	I	E160.3
Soil Extraction for PCB	Completed				10/16/14	CB/H	SW3545
Soil Extraction for Pesticide	Completed				10/16/14	CB	SW3545
Soil Extraction for SVOA	Completed				10/16/14	CJ/VH	SW3545
Mercury Digestion	Completed				10/17/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				10/16/14	CB/AG	SW846 - 3050
Field Extraction	Completed				10/15/14		SW5035

Polychlorinated Biphenyls

PCB-1016	ND	34	34	ug/Kg	10/17/14	AW	SW 8082
PCB-1221	ND	34	34	ug/Kg	10/17/14	AW	SW 8082
PCB-1232	ND	34	34	ug/Kg	10/17/14	AW	SW 8082
PCB-1242	ND	34	34	ug/Kg	10/17/14	AW	SW 8082
PCB-1248	ND	34	34	ug/Kg	10/17/14	AW	SW 8082
PCB-1254	ND	34	34	ug/Kg	10/17/14	AW	SW 8082
PCB-1260	ND	34	34	ug/Kg	10/17/14	AW	SW 8082
PCB-1262	ND	34	34	ug/Kg	10/17/14	AW	SW 8082
PCB-1268	ND	34	34	ug/Kg	10/17/14	AW	SW 8082

QA/QC Surrogates

% DCBP	97			%	10/17/14	AW	30 - 150 %
% TCMX	94			%	10/17/14	AW	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.0	2.0	ug/Kg	10/17/14	KCA	SW8081
4,4' -DDE	ND	2.0	2.0	ug/Kg	10/17/14	KCA	SW8081
4,4' -DDT	ND	2.0	2.0	ug/Kg	10/17/14	KCA	SW8081
a-BHC	ND	6.8	6.8	ug/Kg	10/17/14	KCA	SW8081
a-Chlordane	ND	3.4	3.4	ug/Kg	10/17/14	KCA	SW8081
Aldrin	ND	3.4	3.4	ug/Kg	10/17/14	KCA	SW8081
b-BHC	ND	6.8	6.8	ug/Kg	10/17/14	KCA	SW8081
Chlordane	ND	34	34	ug/Kg	10/17/14	KCA	SW8081
d-BHC	ND	6.8	6.8	ug/Kg	10/17/14	KCA	SW8081
Dieldrin	ND	3.4	3.4	ug/Kg	10/17/14	KCA	SW8081
Endosulfan I	ND	6.8	6.8	ug/Kg	10/17/14	KCA	SW8081
Endosulfan II	ND	6.8	6.8	ug/Kg	10/17/14	KCA	SW8081
Endosulfan sulfate	ND	6.8	6.8	ug/Kg	10/17/14	KCA	SW8081
Endrin	ND	6.8	6.8	ug/Kg	10/17/14	KCA	SW8081
Endrin aldehyde	ND	6.8	6.8	ug/Kg	10/17/14	KCA	SW8081
Endrin ketone	ND	6.8	6.8	ug/Kg	10/17/14	KCA	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	10/17/14	KCA	SW8081
g-Chlordane	ND	3.4	3.4	ug/Kg	10/17/14	KCA	SW8081
Heptachlor	ND	6.8	6.8	ug/Kg	10/17/14	KCA	SW8081
Heptachlor epoxide	ND	6.8	6.8	ug/Kg	10/17/14	KCA	SW8081
Methoxychlor	ND	34	34	ug/Kg	10/17/14	KCA	SW8081
Toxaphene	ND	140	140	ug/Kg	10/17/14	KCA	SW8081

QA/QC Surrogates

% DCBP	90			%	10/17/14	KCA	30 - 150 %
% TCMX	89			%	10/17/14	KCA	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	6.4	1.1	ug/Kg	10/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	6.4	1.3	ug/Kg	10/17/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	6.4	0.91	ug/Kg	10/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	6.4	0.63	ug/Kg	10/17/14	JLI	SW8260
1,1-Dichloroethane	ND	6.4	1.3	ug/Kg	10/17/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloroethene	ND	6.4	1.4	ug/Kg	10/17/14	JLI	SW8260
1,1-Dichloropropene	ND	6.4	1.2	ug/Kg	10/17/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	6.4	1.3	ug/Kg	10/17/14	JLI	SW8260
1,2,3-Trichloropropane	ND	6.4	0.91	ug/Kg	10/17/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	6.4	1.3	ug/Kg	10/17/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	6.4	0.92	ug/Kg	10/17/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	6.4	1.7	ug/Kg	10/17/14	JLI	SW8260
1,2-Dibromoethane	ND	6.4	1.7	ug/Kg	10/17/14	JLI	SW8260
1,2-Dichlorobenzene	ND	6.4	0.70	ug/Kg	10/17/14	JLI	SW8260
1,2-Dichloroethane	ND	6.4	0.56	ug/Kg	10/17/14	JLI	SW8260
1,2-Dichloropropane	ND	6.4	0.91	ug/Kg	10/17/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	6.4	0.85	ug/Kg	10/17/14	JLI	SW8260
1,3-Dichlorobenzene	ND	6.4	0.95	ug/Kg	10/17/14	JLI	SW8260
1,3-Dichloropropane	ND	6.4	0.68	ug/Kg	10/17/14	JLI	SW8260
1,4-Dichlorobenzene	ND	6.4	1.0	ug/Kg	10/17/14	JLI	SW8260
2,2-Dichloropropane	ND	6.4	1.1	ug/Kg	10/17/14	JLI	SW8260
2-Chlorotoluene	ND	6.4	1.0	ug/Kg	10/17/14	JLI	SW8260
2-Hexanone	ND	32	2.9	ug/Kg	10/17/14	JLI	SW8260
2-Isopropyltoluene	ND	6.4	0.88	ug/Kg	10/17/14	JLI	SW8260
4-Chlorotoluene	ND	6.4	0.74	ug/Kg	10/17/14	JLI	SW8260
4-Methyl-2-pentanone	ND	32	1.5	ug/Kg	10/17/14	JLI	SW8260
Acetone	ND	50	6.4	ug/Kg	10/17/14	JLI	SW8260
Acrylonitrile	ND	13	3.6	ug/Kg	10/17/14	JLI	SW8260
Benzene	ND	6.4	1.3	ug/Kg	10/17/14	JLI	SW8260
Bromobenzene	ND	6.4	0.83	ug/Kg	10/17/14	JLI	SW8260
Bromochloromethane	ND	6.4	0.94	ug/Kg	10/17/14	JLI	SW8260
Bromodichloromethane	ND	6.4	0.79	ug/Kg	10/17/14	JLI	SW8260
Bromoform	ND	6.4	0.90	ug/Kg	10/17/14	JLI	SW8260
Bromomethane	ND	6.4	4.9	ug/Kg	10/17/14	JLI	SW8260
Carbon Disulfide	ND	6.4	1.0	ug/Kg	10/17/14	JLI	SW8260
Carbon tetrachloride	ND	6.4	0.74	ug/Kg	10/17/14	JLI	SW8260
Chlorobenzene	ND	6.4	0.95	ug/Kg	10/17/14	JLI	SW8260
Chloroethane	ND	6.4	1.5	ug/Kg	10/17/14	JLI	SW8260
Chloroform	ND	6.4	1.2	ug/Kg	10/17/14	JLI	SW8260
Chloromethane	ND	6.4	3.4	ug/Kg	10/17/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	6.4	1.4	ug/Kg	10/17/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	6.4	0.69	ug/Kg	10/17/14	JLI	SW8260
Dibromochloromethane	ND	6.4	0.72	ug/Kg	10/17/14	JLI	SW8260
Dibromomethane	ND	6.4	0.81	ug/Kg	10/17/14	JLI	SW8260
Dichlorodifluoromethane	ND	6.4	1.7	ug/Kg	10/17/14	JLI	SW8260
Ethylbenzene	ND	6.4	1.2	ug/Kg	10/17/14	JLI	SW8260
Hexachlorobutadiene	ND	6.4	1.3	ug/Kg	10/17/14	JLI	SW8260
Isopropylbenzene	ND	6.4	1.2	ug/Kg	10/17/14	JLI	SW8260
m&p-Xylene	ND	6.4	2.5	ug/Kg	10/17/14	JLI	SW8260
Methyl Ethyl Ketone	ND	38	5.6	ug/Kg	10/17/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	13	1.8	ug/Kg	10/17/14	JLI	SW8260
Methylene chloride	1.3 JS	6.4	1.1	ug/Kg	10/17/14	JLI	SW8260
Naphthalene	ND	6.4	1.7	ug/Kg	10/17/14	JLI	SW8260
n-Butylbenzene	ND	6.4	1.2	ug/Kg	10/17/14	JLI	SW8260

1

B*

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
n-Propylbenzene	ND	6.4	1.2	ug/Kg	10/17/14	JLI	SW8260
o-Xylene	ND	6.4	2.4	ug/Kg	10/17/14	JLI	SW8260
p-Isopropyltoluene	ND	6.4	0.92	ug/Kg	10/17/14	JLI	SW8260
sec-Butylbenzene	ND	6.4	1.2	ug/Kg	10/17/14	JLI	SW8260
Styrene	ND	6.4	1.8	ug/Kg	10/17/14	JLI	SW8260
tert-Butylbenzene	ND	6.4	1.0	ug/Kg	10/17/14	JLI	SW8260
Tetrachloroethene	ND	6.4	1.3	ug/Kg	10/17/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	13	5.8	ug/Kg	10/17/14	JLI	SW8260
Toluene	ND	6.4	1.0	ug/Kg	10/17/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	6.4	1.3	ug/Kg	10/17/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	6.4	1.3	ug/Kg	10/17/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	13	12	ug/Kg	10/17/14	JLI	SW8260
Trichloroethene	ND	6.4	1.4	ug/Kg	10/17/14	JLI	SW8260
Trichlorofluoromethane	ND	6.4	1.4	ug/Kg	10/17/14	JLI	SW8260
Trichlorotrifluoroethane	ND	6.4	1.0	ug/Kg	10/17/14	JLI	SW8260
Vinyl chloride	ND	6.4	2.1	ug/Kg	10/17/14	JLI	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99			%	10/17/14	JLI	70 - 121 %
% Bromofluorobenzene	102			%	10/17/14	JLI	59 - 113 %
% Dibromofluoromethane	103			%	10/17/14	JLI	70 - 130 %
% Toluene-d8	96			%	10/17/14	JLI	84 - 138 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
1,2-Dichlorobenzene	ND	240	98	ug/Kg	10/17/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
1,3-Dichlorobenzene	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
1,4-Dichlorobenzene	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	10/17/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
2,4-Dichlorophenol	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
2,4-Dimethylphenol	ND	240	86	ug/Kg	10/17/14	DD	SW 8270
2,4-Dinitrophenol	ND	1700	240	ug/Kg	10/17/14	DD	SW 8270
2,4-Dinitrotoluene	ND	240	140	ug/Kg	10/17/14	DD	SW 8270
2,6-Dinitrotoluene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
2-Chloronaphthalene	ND	240	99	ug/Kg	10/17/14	DD	SW 8270
2-Chlorophenol	ND	240	99	ug/Kg	10/17/14	DD	SW 8270
2-Methylnaphthalene	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	10/17/14	DD	SW 8270
2-Nitroaniline	ND	1700	350	ug/Kg	10/17/14	DD	SW 8270
2-Nitrophenol	ND	240	220	ug/Kg	10/17/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	10/17/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	690	160	ug/Kg	10/17/14	DD	SW 8270
3-Nitroaniline	ND	1700	760	ug/Kg	10/17/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1700	370	ug/Kg	10/17/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
4-Chloroaniline	ND	690	160	ug/Kg	10/17/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	10/17/14	DD	SW 8270

Client ID: SB1 11-12 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitroaniline	ND	1700	120	ug/Kg	10/17/14	DD	SW 8270
4-Nitrophenol	ND	1700	160	ug/Kg	10/17/14	DD	SW 8270
Acenaphthene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Acenaphthylene	ND	240	97	ug/Kg	10/17/14	DD	SW 8270
Acetophenone	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Aniline	ND	1700	700	ug/Kg	10/17/14	DD	SW 8270
Anthracene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Benz(a)anthracene	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
Benzidine	ND	690	200	ug/Kg	10/17/14	DD	SW 8270
Benzo(a)pyrene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Benzo(b)fluoranthene	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
Benzo(ghi)perylene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Benzo(k)fluoranthene	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
Benzoic acid	ND	1700	690	ug/Kg	10/17/14	DD	SW 8270
Benzyl butyl phthalate	ND	240	90	ug/Kg	10/17/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	240	96	ug/Kg	10/17/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	240	94	ug/Kg	10/17/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	240	97	ug/Kg	10/17/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
Carbazole	ND	1700	260	ug/Kg	10/17/14	DD	SW 8270
Chrysene	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Dibenzofuran	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
Diethyl phthalate	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Dimethylphthalate	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Di-n-butylphthalate	ND	240	92	ug/Kg	10/17/14	DD	SW 8270
Di-n-octylphthalate	ND	240	90	ug/Kg	10/17/14	DD	SW 8270
Fluoranthene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Fluorene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Hexachlorobenzene	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
Hexachlorobutadiene	ND	240	130	ug/Kg	10/17/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Hexachloroethane	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
Isophorone	ND	240	97	ug/Kg	10/17/14	DD	SW 8270
Naphthalene	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
Nitrobenzene	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
N-Nitrosodimethylamine	ND	240	98	ug/Kg	10/17/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	240	130	ug/Kg	10/17/14	DD	SW 8270
Pentachloronitrobenzene	ND	240	130	ug/Kg	10/17/14	DD	SW 8270
Pentachlorophenol	ND	240	130	ug/Kg	10/17/14	DD	SW 8270
Phenanthrene	ND	240	99	ug/Kg	10/17/14	DD	SW 8270
Phenol	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Pyrene	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
Pyridine	ND	240	85	ug/Kg	10/17/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	79			%	10/17/14	DD	19 - 122 %
% 2-Fluorobiphenyl	78			%	10/17/14	DD	30 - 115 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorophenol	60			%	10/17/14	DD	25 - 121 %
% Nitrobenzene-d5	62			%	10/17/14	DD	23 - 120 %
% Phenol-d5	67			%	10/17/14	DD	24 - 113 %
% Terphenyl-d14	91			%	10/17/14	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 Quantitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

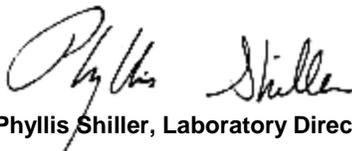
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are 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

October 23, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



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

Analysis Report

October 23, 2014

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

Sample Information

Matrix: SOLID
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by:
 Received by: SW
 Analyzed by: see "By" below

Date

10/15/14
 10/16/14

Time

9:00
 14:53

Laboratory Data

SDG ID: GBH28329
 Phoenix ID: BH28331

Project ID: 74 VERNON AVE BROOKLYN
 Client ID: SB2 0-2 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.34	0.34	0.34	mg/Kg	10/17/14	LK	SW6010
Aluminum	9260	34	6.9	mg/Kg	10/17/14	LK	SW6010
Arsenic	2.1	0.7	0.69	mg/Kg	10/17/14	LK	SW6010
Barium	45.3	0.7	0.34	mg/Kg	10/17/14	LK	SW6010
Beryllium	0.49	* 0.28	0.14	mg/Kg	10/17/14	LK	SW6010
Calcium	23500	34	32	mg/Kg	10/17/14	LK	SW6010
Cadmium	< 0.34	0.34	0.14	mg/Kg	10/17/14	LK	SW6010
Cobalt	6.93	0.34	0.34	mg/Kg	10/17/14	LK	SW6010
Chromium	17.3	0.34	0.34	mg/Kg	10/17/14	LK	SW6010
Copper	16.5	0.34	0.34	mg/kg	10/17/14	LK	SW6010
Iron	16200	34	34	mg/Kg	10/17/14	LK	SW6010
Mercury	< 0.09	0.09	0.05	mg/Kg	10/17/14	RS	SW-7471
Potassium	1560	N 7	2.7	mg/Kg	10/17/14	LK	SW6010
Magnesium	3030	3.4	3.4	mg/Kg	10/17/14	LK	SW6010
Manganese	520	N 3.4	3.4	mg/Kg	10/17/14	LK	SW6010
Sodium	566	N 7	3.0	mg/Kg	10/17/14	LK	SW6010
Nickel	16.8	0.34	0.34	mg/Kg	10/17/14	LK	SW6010
Lead	8.5	0.7	0.34	mg/Kg	10/17/14	LK	SW6010
Antimony	< 1.7	1.7	1.7	mg/Kg	10/17/14	LK	SW6010
Selenium	< 1.4	1.4	1.2	mg/Kg	10/17/14	LK	SW6010
Thallium	< 1.4	1.4	1.4	mg/Kg	10/17/14	LK	SW6010
Vanadium	24.4	0.3	0.34	mg/Kg	10/17/14	LK	SW6010
Zinc	33.0	0.7	0.34	mg/Kg	10/17/14	LK	SW6010
Percent Solid	92			%	10/16/14	I	E160.3
Soil Extraction for PCB	Completed				10/16/14	CC/H	SW3545
Soil Extraction for Pesticide	Completed				10/16/14	CC	SW3545
Soil Extraction for SVOA	Completed				10/16/14	CJ/VH	SW3545
Mercury Digestion	Completed				10/17/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				10/16/14	CB/AG	SW846 - 3050
Field Extraction	Completed				10/15/14		SW5035

Polychlorinated Biphenyls

PCB-1016	ND	36	36	ug/Kg	10/17/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	10/17/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	10/17/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	10/17/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	10/17/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	10/17/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	10/17/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	10/17/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	10/17/14	AW	SW 8082

QA/QC Surrogates

% DCBP	90			%	10/17/14	AW	30 - 150 %
% TCMX	86			%	10/17/14	AW	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	10/17/14	KCA	SW8081
4,4' -DDE	ND	2.1	2.1	ug/Kg	10/17/14	KCA	SW8081
4,4' -DDT	ND	2.1	2.1	ug/Kg	10/17/14	KCA	SW8081
a-BHC	ND	7.2	7.2	ug/Kg	10/17/14	KCA	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	10/17/14	KCA	SW8081
Aldrin	ND	3.6	3.6	ug/Kg	10/17/14	KCA	SW8081
b-BHC	ND	7.2	7.2	ug/Kg	10/17/14	KCA	SW8081
Chlordane	ND	36	36	ug/Kg	10/17/14	KCA	SW8081
d-BHC	ND	7.2	7.2	ug/Kg	10/17/14	KCA	SW8081
Dieldrin	ND	3.6	3.6	ug/Kg	10/17/14	KCA	SW8081
Endosulfan I	ND	7.2	7.2	ug/Kg	10/17/14	KCA	SW8081
Endosulfan II	ND	7.2	7.2	ug/Kg	10/17/14	KCA	SW8081
Endosulfan sulfate	ND	7.2	7.2	ug/Kg	10/17/14	KCA	SW8081
Endrin	ND	7.2	7.2	ug/Kg	10/17/14	KCA	SW8081
Endrin aldehyde	ND	7.2	7.2	ug/Kg	10/17/14	KCA	SW8081
Endrin ketone	ND	7.2	7.2	ug/Kg	10/17/14	KCA	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	10/17/14	KCA	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	10/17/14	KCA	SW8081
Heptachlor	ND	7.2	7.2	ug/Kg	10/17/14	KCA	SW8081
Heptachlor epoxide	ND	7.2	7.2	ug/Kg	10/17/14	KCA	SW8081
Methoxychlor	ND	36	36	ug/Kg	10/17/14	KCA	SW8081
Toxaphene	ND	140	140	ug/Kg	10/17/14	KCA	SW8081

QA/QC Surrogates

% DCBP	100			%	10/17/14	KCA	30 - 150 %
% TCMX	98			%	10/17/14	KCA	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	8.4	1.4	ug/Kg	10/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	8.4	1.7	ug/Kg	10/17/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	8.4	1.2	ug/Kg	10/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	8.4	0.83	ug/Kg	10/17/14	JLI	SW8260
1,1-Dichloroethane	ND	8.4	1.7	ug/Kg	10/17/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloroethene	ND	8.4	1.8	ug/Kg	10/17/14	JLI	SW8260
1,1-Dichloropropene	ND	8.4	1.6	ug/Kg	10/17/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	8.4	1.7	ug/Kg	10/17/14	JLI	SW8260
1,2,3-Trichloropropane	ND	8.4	1.2	ug/Kg	10/17/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	8.4	1.7	ug/Kg	10/17/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	8.4	1.2	ug/Kg	10/17/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	8.4	2.3	ug/Kg	10/17/14	JLI	SW8260
1,2-Dibromoethane	ND	8.4	2.2	ug/Kg	10/17/14	JLI	SW8260
1,2-Dichlorobenzene	ND	8.4	0.93	ug/Kg	10/17/14	JLI	SW8260
1,2-Dichloroethane	ND	8.4	0.74	ug/Kg	10/17/14	JLI	SW8260
1,2-Dichloropropane	ND	8.4	1.2	ug/Kg	10/17/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	8.4	1.1	ug/Kg	10/17/14	JLI	SW8260
1,3-Dichlorobenzene	ND	8.4	1.2	ug/Kg	10/17/14	JLI	SW8260
1,3-Dichloropropane	ND	8.4	0.89	ug/Kg	10/17/14	JLI	SW8260
1,4-Dichlorobenzene	ND	8.4	1.3	ug/Kg	10/17/14	JLI	SW8260
2,2-Dichloropropane	ND	8.4	1.4	ug/Kg	10/17/14	JLI	SW8260
2-Chlorotoluene	ND	8.4	1.3	ug/Kg	10/17/14	JLI	SW8260
2-Hexanone	ND	42	3.8	ug/Kg	10/17/14	JLI	SW8260
2-Isopropyltoluene	ND	8.4	1.2	ug/Kg	10/17/14	JLI	SW8260
4-Chlorotoluene	ND	8.4	0.98	ug/Kg	10/17/14	JLI	SW8260
4-Methyl-2-pentanone	ND	42	2.0	ug/Kg	10/17/14	JLI	SW8260
Acetone	9.4	JS 50	8.4	ug/Kg	10/17/14	JLI	SW8260
Acrylonitrile	ND	17	4.7	ug/Kg	10/17/14	JLI	SW8260
Benzene	ND	8.4	1.7	ug/Kg	10/17/14	JLI	SW8260
Bromobenzene	ND	8.4	1.1	ug/Kg	10/17/14	JLI	SW8260
Bromochloromethane	ND	8.4	1.2	ug/Kg	10/17/14	JLI	SW8260
Bromodichloromethane	ND	8.4	1.0	ug/Kg	10/17/14	JLI	SW8260
Bromoform	ND	8.4	1.2	ug/Kg	10/17/14	JLI	SW8260
Bromomethane	ND	8.4	6.5	ug/Kg	10/17/14	JLI	SW8260
Carbon Disulfide	ND	8.4	1.4	ug/Kg	10/17/14	JLI	SW8260
Carbon tetrachloride	ND	8.4	0.98	ug/Kg	10/17/14	JLI	SW8260
Chlorobenzene	ND	8.4	1.2	ug/Kg	10/17/14	JLI	SW8260
Chloroethane	ND	8.4	2.0	ug/Kg	10/17/14	JLI	SW8260
Chloroform	ND	8.4	1.5	ug/Kg	10/17/14	JLI	SW8260
Chloromethane	ND	8.4	4.4	ug/Kg	10/17/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	8.4	1.8	ug/Kg	10/17/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	8.4	0.91	ug/Kg	10/17/14	JLI	SW8260
Dibromochloromethane	ND	8.4	0.94	ug/Kg	10/17/14	JLI	SW8260
Dibromomethane	ND	8.4	1.1	ug/Kg	10/17/14	JLI	SW8260
Dichlorodifluoromethane	ND	8.4	2.2	ug/Kg	10/17/14	JLI	SW8260
Ethylbenzene	ND	8.4	1.5	ug/Kg	10/17/14	JLI	SW8260
Hexachlorobutadiene	ND	8.4	1.8	ug/Kg	10/17/14	JLI	SW8260
Isopropylbenzene	ND	8.4	1.6	ug/Kg	10/17/14	JLI	SW8260
m&p-Xylene	ND	8.4	3.3	ug/Kg	10/17/14	JLI	SW8260
Methyl Ethyl Ketone	ND	51	7.3	ug/Kg	10/17/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	17	2.3	ug/Kg	10/17/14	JLI	SW8260
Methylene chloride	2.1	JS 8.4	1.4	ug/Kg	10/17/14	JLI	SW8260
Naphthalene	ND	8.4	2.3	ug/Kg	10/17/14	JLI	SW8260
n-Butylbenzene	ND	8.4	1.5	ug/Kg	10/17/14	JLI	SW8260

1

B*

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
n-Propylbenzene	ND	8.4	1.5	ug/Kg	10/17/14	JLI	SW8260
o-Xylene	ND	8.4	3.2	ug/Kg	10/17/14	JLI	SW8260
p-Isopropyltoluene	ND	8.4	1.2	ug/Kg	10/17/14	JLI	SW8260
sec-Butylbenzene	ND	8.4	1.6	ug/Kg	10/17/14	JLI	SW8260
Styrene	ND	8.4	2.4	ug/Kg	10/17/14	JLI	SW8260
tert-Butylbenzene	ND	8.4	1.3	ug/Kg	10/17/14	JLI	SW8260
Tetrachloroethene	ND	8.4	1.8	ug/Kg	10/17/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	17	7.6	ug/Kg	10/17/14	JLI	SW8260
Toluene	ND	8.4	1.3	ug/Kg	10/17/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	8.4	1.7	ug/Kg	10/17/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	8.4	1.7	ug/Kg	10/17/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	17	16	ug/Kg	10/17/14	JLI	SW8260
Trichloroethene	ND	8.4	1.8	ug/Kg	10/17/14	JLI	SW8260
Trichlorofluoromethane	ND	8.4	1.9	ug/Kg	10/17/14	JLI	SW8260
Trichlorotrifluoroethane	ND	8.4	1.3	ug/Kg	10/17/14	JLI	SW8260
Vinyl chloride	ND	8.4	2.7	ug/Kg	10/17/14	JLI	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	104			%	10/17/14	JLI	70 - 121 %
% Bromofluorobenzene	98			%	10/17/14	JLI	59 - 113 %
% Dibromofluoromethane	100			%	10/17/14	JLI	70 - 130 %
% Toluene-d8	93			%	10/17/14	JLI	84 - 138 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
1,2-Dichlorobenzene	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
1,3-Dichlorobenzene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
1,4-Dichlorobenzene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	10/17/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
2,4-Dichlorophenol	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
2,4-Dimethylphenol	ND	250	88	ug/Kg	10/17/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	250	ug/Kg	10/17/14	DD	SW 8270
2,4-Dinitrotoluene	ND	250	140	ug/Kg	10/17/14	DD	SW 8270
2,6-Dinitrotoluene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
2-Chlorophenol	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
2-Methylnaphthalene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	10/17/14	DD	SW 8270
2-Nitroaniline	ND	1800	360	ug/Kg	10/17/14	DD	SW 8270
2-Nitrophenol	ND	250	230	ug/Kg	10/17/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	10/17/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	710	170	ug/Kg	10/17/14	DD	SW 8270
3-Nitroaniline	ND	1800	770	ug/Kg	10/17/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	380	ug/Kg	10/17/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
4-Chloroaniline	ND	710	170	ug/Kg	10/17/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	10/17/14	DD	SW 8270

Client ID: SB2 0-2 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitroaniline	ND	1800	120	ug/Kg	10/17/14	DD	SW 8270
4-Nitrophenol	ND	1800	160	ug/Kg	10/17/14	DD	SW 8270
Acenaphthene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Acenaphthylene	ND	250	99	ug/Kg	10/17/14	DD	SW 8270
Acetophenone	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Aniline	ND	1800	720	ug/Kg	10/17/14	DD	SW 8270
Anthracene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Benz(a)anthracene	130	J 250	120	ug/Kg	10/17/14	DD	SW 8270
Benzidine	ND	710	210	ug/Kg	10/17/14	DD	SW 8270
Benzo(a)pyrene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Benzo(b)fluoranthene	140	J 250	120	ug/Kg	10/17/14	DD	SW 8270
Benzo(ghi)perylene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Benzo(k)fluoranthene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Benzoic acid	ND	1800	710	ug/Kg	10/17/14	DD	SW 8270
Benzyl butyl phthalate	ND	250	92	ug/Kg	10/17/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	98	ug/Kg	10/17/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	250	96	ug/Kg	10/17/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	99	ug/Kg	10/17/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	140	J 250	100	ug/Kg	10/17/14	DD	SW 8270
Carbazole	ND	1800	270	ug/Kg	10/17/14	DD	SW 8270
Chrysene	160	J 250	120	ug/Kg	10/17/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Dibenzofuran	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
Diethyl phthalate	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Dimethylphthalate	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Di-n-butylphthalate	ND	250	94	ug/Kg	10/17/14	DD	SW 8270
Di-n-octylphthalate	ND	250	92	ug/Kg	10/17/14	DD	SW 8270
Fluoranthene	240	J 250	120	ug/Kg	10/17/14	DD	SW 8270
Fluorene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Hexachlorobenzene	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
Hexachlorobutadiene	ND	250	130	ug/Kg	10/17/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Hexachloroethane	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Isophorone	ND	250	99	ug/Kg	10/17/14	DD	SW 8270
Naphthalene	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
Nitrobenzene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
N-Nitrosodimethylamine	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	10/17/14	DD	SW 8270
Pentachloronitrobenzene	ND	250	130	ug/Kg	10/17/14	DD	SW 8270
Pentachlorophenol	ND	250	130	ug/Kg	10/17/14	DD	SW 8270
Phenanthrene	160	J 250	100	ug/Kg	10/17/14	DD	SW 8270
Phenol	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Pyrene	210	J 250	120	ug/Kg	10/17/14	DD	SW 8270
Pyridine	ND	250	87	ug/Kg	10/17/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	73			%	10/17/14	DD	19 - 122 %
% 2-Fluorobiphenyl	87			%	10/17/14	DD	30 - 115 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorophenol	67			%	10/17/14	DD	25 - 121 %
% Nitrobenzene-d5	71			%	10/17/14	DD	23 - 120 %
% Phenol-d5	77			%	10/17/14	DD	24 - 113 %
% Terphenyl-d14	87			%	10/17/14	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 Quantitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

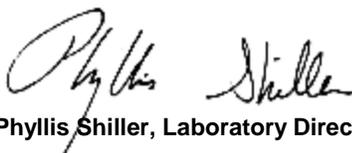
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are 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

October 23, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



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

Analysis Report

October 23, 2014

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

Sample Information

Matrix: SOLID
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by:
 Received by: SW
 Analyzed by: see "By" below

Date

10/15/14
 10/16/14

Time

9:30
 14:53

Laboratory Data

SDG ID: GBH28329
 Phoenix ID: BH28332

Project ID: 74 VERNON AVE BROOKLYN
 Client ID: SB2 9-11 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.35	0.35	0.35	mg/Kg	10/17/14	LK	SW6010
Aluminum	5900	35	7.1	mg/Kg	10/17/14	LK	SW6010
Arsenic	1.9	0.7	0.71	mg/Kg	10/17/14	LK	SW6010
Barium	33.1	0.7	0.35	mg/Kg	10/17/14	LK	SW6010
Beryllium	0.40	* 0.28	0.14	mg/Kg	10/17/14	LK	SW6010
Calcium	700	3.5	3.2	mg/Kg	10/17/14	LK	SW6010
Cadmium	< 0.35	0.35	0.14	mg/Kg	10/17/14	LK	SW6010
Cobalt	6.41	0.35	0.35	mg/Kg	10/17/14	LK	SW6010
Chromium	18.2	0.35	0.35	mg/Kg	10/17/14	LK	SW6010
Copper	11.5	0.35	0.35	mg/kg	10/17/14	LK	SW6010
Iron	15200	35	35	mg/Kg	10/17/14	LK	SW6010
Mercury	< 0.09	0.09	0.05	mg/Kg	10/17/14	RS	SW-7471
Potassium	939	N 7	2.8	mg/Kg	10/17/14	LK	SW6010
Magnesium	1700	3.5	3.5	mg/Kg	10/17/14	LK	SW6010
Manganese	461	N 3.5	3.5	mg/Kg	10/17/14	LK	SW6010
Sodium	71	N 7	3.0	mg/Kg	10/17/14	LK	SW6010
Nickel	9.88	0.35	0.35	mg/Kg	10/17/14	LK	SW6010
Lead	3.9	0.7	0.35	mg/Kg	10/17/14	LK	SW6010
Antimony	< 1.8	1.8	1.8	mg/Kg	10/17/14	LK	SW6010
Selenium	< 1.4	1.4	1.2	mg/Kg	10/17/14	LK	SW6010
Thallium	< 1.4	1.4	1.4	mg/Kg	10/17/14	LK	SW6010
Vanadium	21.8	0.4	0.35	mg/Kg	10/17/14	LK	SW6010
Zinc	19.9	0.7	0.35	mg/Kg	10/17/14	LK	SW6010
Percent Solid	92			%	10/16/14	I	E160.3
Soil Extraction for PCB	Completed				10/16/14	CC/H	SW3545
Soil Extraction for Pesticide	Completed				10/16/14	CC	SW3545
Soil Extraction for SVOA	Completed				10/16/14	JJ/VH	SW3545
Mercury Digestion	Completed				10/17/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				10/16/14	CB/AG	SW846 - 3050
Field Extraction	Completed				10/15/14		SW5035

Polychlorinated Biphenyls

PCB-1016	ND	35	35	ug/Kg	10/17/14	AW	SW 8082
PCB-1221	ND	35	35	ug/Kg	10/17/14	AW	SW 8082
PCB-1232	ND	35	35	ug/Kg	10/17/14	AW	SW 8082
PCB-1242	ND	35	35	ug/Kg	10/17/14	AW	SW 8082
PCB-1248	ND	35	35	ug/Kg	10/17/14	AW	SW 8082
PCB-1254	ND	35	35	ug/Kg	10/17/14	AW	SW 8082
PCB-1260	ND	35	35	ug/Kg	10/17/14	AW	SW 8082
PCB-1262	ND	35	35	ug/Kg	10/17/14	AW	SW 8082
PCB-1268	ND	35	35	ug/Kg	10/17/14	AW	SW 8082

QA/QC Surrogates

% DCBP	95			%	10/17/14	AW	30 - 150 %
% TCMX	89			%	10/17/14	AW	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	10/17/14	KCA	SW8081
4,4' -DDE	ND	2.1	2.1	ug/Kg	10/17/14	KCA	SW8081
4,4' -DDT	ND	2.1	2.1	ug/Kg	10/17/14	KCA	SW8081
a-BHC	ND	7.0	7.0	ug/Kg	10/17/14	KCA	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	10/17/14	KCA	SW8081
Aldrin	ND	3.5	3.5	ug/Kg	10/17/14	KCA	SW8081
b-BHC	ND	7.0	7.0	ug/Kg	10/17/14	KCA	SW8081
Chlordane	ND	35	35	ug/Kg	10/17/14	KCA	SW8081
d-BHC	ND	7.0	7.0	ug/Kg	10/17/14	KCA	SW8081
Dieldrin	ND	3.5	3.5	ug/Kg	10/17/14	KCA	SW8081
Endosulfan I	ND	7.0	7.0	ug/Kg	10/17/14	KCA	SW8081
Endosulfan II	ND	7.0	7.0	ug/Kg	10/17/14	KCA	SW8081
Endosulfan sulfate	ND	7.0	7.0	ug/Kg	10/17/14	KCA	SW8081
Endrin	ND	7.0	7.0	ug/Kg	10/17/14	KCA	SW8081
Endrin aldehyde	ND	7.0	7.0	ug/Kg	10/17/14	KCA	SW8081
Endrin ketone	ND	7.0	7.0	ug/Kg	10/17/14	KCA	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	10/17/14	KCA	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	10/17/14	KCA	SW8081
Heptachlor	ND	7.0	7.0	ug/Kg	10/17/14	KCA	SW8081
Heptachlor epoxide	ND	7.0	7.0	ug/Kg	10/17/14	KCA	SW8081
Methoxychlor	ND	35	35	ug/Kg	10/17/14	KCA	SW8081
Toxaphene	ND	140	140	ug/Kg	10/17/14	KCA	SW8081

QA/QC Surrogates

% DCBP	96			%	10/17/14	KCA	30 - 150 %
% TCMX	90			%	10/17/14	KCA	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	10	1.7	ug/Kg	10/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	10	2.0	ug/Kg	10/17/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	10	1.5	ug/Kg	10/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	10	1.0	ug/Kg	10/17/14	JLI	SW8260
1,1-Dichloroethane	ND	10	2.0	ug/Kg	10/17/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloroethene	ND	10	2.2	ug/Kg	10/17/14	JLI	SW8260
1,1-Dichloropropene	ND	10	2.0	ug/Kg	10/17/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	10	2.0	ug/Kg	10/17/14	JLI	SW8260
1,2,3-Trichloropropane	ND	10	1.5	ug/Kg	10/17/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	10	2.0	ug/Kg	10/17/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	10	1.5	ug/Kg	10/17/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	10	2.7	ug/Kg	10/17/14	JLI	SW8260
1,2-Dibromoethane	ND	10	2.7	ug/Kg	10/17/14	JLI	SW8260
1,2-Dichlorobenzene	ND	10	1.1	ug/Kg	10/17/14	JLI	SW8260
1,2-Dichloroethane	ND	10	0.90	ug/Kg	10/17/14	JLI	SW8260
1,2-Dichloropropane	ND	10	1.5	ug/Kg	10/17/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	10	1.3	ug/Kg	10/17/14	JLI	SW8260
1,3-Dichlorobenzene	ND	10	1.5	ug/Kg	10/17/14	JLI	SW8260
1,3-Dichloropropane	ND	10	1.1	ug/Kg	10/17/14	JLI	SW8260
1,4-Dichlorobenzene	ND	10	1.6	ug/Kg	10/17/14	JLI	SW8260
2,2-Dichloropropane	ND	10	1.7	ug/Kg	10/17/14	JLI	SW8260
2-Chlorotoluene	ND	10	1.6	ug/Kg	10/17/14	JLI	SW8260
2-Hexanone	ND	51	4.6	ug/Kg	10/17/14	JLI	SW8260
2-Isopropyltoluene	ND	10	1.4	ug/Kg	10/17/14	JLI	SW8260
4-Chlorotoluene	ND	10	1.2	ug/Kg	10/17/14	JLI	SW8260
4-Methyl-2-pentanone	ND	51	2.4	ug/Kg	10/17/14	JLI	SW8260
Acetone	ND	50	10	ug/Kg	10/17/14	JLI	SW8260
Acrylonitrile	ND	20	5.7	ug/Kg	10/17/14	JLI	SW8260
Benzene	ND	10	2.0	ug/Kg	10/17/14	JLI	SW8260
Bromobenzene	ND	10	1.3	ug/Kg	10/17/14	JLI	SW8260
Bromochloromethane	ND	10	1.5	ug/Kg	10/17/14	JLI	SW8260
Bromodichloromethane	ND	10	1.3	ug/Kg	10/17/14	JLI	SW8260
Bromoform	ND	10	1.4	ug/Kg	10/17/14	JLI	SW8260
Bromomethane	ND	10	7.9	ug/Kg	10/17/14	JLI	SW8260
Carbon Disulfide	ND	10	1.7	ug/Kg	10/17/14	JLI	SW8260
Carbon tetrachloride	ND	10	1.2	ug/Kg	10/17/14	JLI	SW8260
Chlorobenzene	ND	10	1.5	ug/Kg	10/17/14	JLI	SW8260
Chloroethane	ND	10	2.4	ug/Kg	10/17/14	JLI	SW8260
Chloroform	ND	10	1.9	ug/Kg	10/17/14	JLI	SW8260
Chloromethane	ND	10	5.4	ug/Kg	10/17/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	10	2.2	ug/Kg	10/17/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	10	1.1	ug/Kg	10/17/14	JLI	SW8260
Dibromochloromethane	ND	10	1.1	ug/Kg	10/17/14	JLI	SW8260
Dibromomethane	ND	10	1.3	ug/Kg	10/17/14	JLI	SW8260
Dichlorodifluoromethane	ND	10	2.7	ug/Kg	10/17/14	JLI	SW8260
Ethylbenzene	ND	10	1.9	ug/Kg	10/17/14	JLI	SW8260
Hexachlorobutadiene	ND	10	2.1	ug/Kg	10/17/14	JLI	SW8260
Isopropylbenzene	ND	10	2.0	ug/Kg	10/17/14	JLI	SW8260
m&p-Xylene	ND	10	4.0	ug/Kg	10/17/14	JLI	SW8260
Methyl Ethyl Ketone	ND	61	8.9	ug/Kg	10/17/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	20	2.8	ug/Kg	10/17/14	JLI	SW8260
Methylene chloride	2.4	JS	10	1.7	ug/Kg	JLI	SW8260
Naphthalene	ND	10	2.7	ug/Kg	10/17/14	JLI	SW8260
n-Butylbenzene	ND	10	1.9	ug/Kg	10/17/14	JLI	SW8260

1

B*

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
n-Propylbenzene	ND	10	1.8	ug/Kg	10/17/14	JLI	SW8260
o-Xylene	ND	10	3.9	ug/Kg	10/17/14	JLI	SW8260
p-Isopropyltoluene	ND	10	1.5	ug/Kg	10/17/14	JLI	SW8260
sec-Butylbenzene	ND	10	1.9	ug/Kg	10/17/14	JLI	SW8260
Styrene	ND	10	2.9	ug/Kg	10/17/14	JLI	SW8260
tert-Butylbenzene	ND	10	1.6	ug/Kg	10/17/14	JLI	SW8260
Tetrachloroethene	ND	10	2.1	ug/Kg	10/17/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	20	9.2	ug/Kg	10/17/14	JLI	SW8260
Toluene	ND	10	1.6	ug/Kg	10/17/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	10	2.0	ug/Kg	10/17/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	10	2.1	ug/Kg	10/17/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	20	19	ug/Kg	10/17/14	JLI	SW8260
Trichloroethene	ND	10	2.2	ug/Kg	10/17/14	JLI	SW8260
Trichlorofluoromethane	ND	10	2.3	ug/Kg	10/17/14	JLI	SW8260
Trichlorotrifluoroethane	ND	10	1.6	ug/Kg	10/17/14	JLI	SW8260
Vinyl chloride	ND	10	3.3	ug/Kg	10/17/14	JLI	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	101			%	10/17/14	JLI	70 - 121 %
% Bromofluorobenzene	101			%	10/17/14	JLI	59 - 113 %
% Dibromofluoromethane	103			%	10/17/14	JLI	70 - 130 %
% Toluene-d8	95			%	10/17/14	JLI	84 - 138 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
1,2-Dichlorobenzene	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
1,3-Dichlorobenzene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
1,4-Dichlorobenzene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	10/17/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
2,4-Dichlorophenol	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
2,4-Dimethylphenol	ND	250	88	ug/Kg	10/17/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	250	ug/Kg	10/17/14	DD	SW 8270
2,4-Dinitrotoluene	ND	250	140	ug/Kg	10/17/14	DD	SW 8270
2,6-Dinitrotoluene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
2-Chlorophenol	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
2-Methylnaphthalene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	10/17/14	DD	SW 8270
2-Nitroaniline	ND	1800	360	ug/Kg	10/17/14	DD	SW 8270
2-Nitrophenol	ND	250	220	ug/Kg	10/17/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	10/17/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	710	170	ug/Kg	10/17/14	DD	SW 8270
3-Nitroaniline	ND	1800	770	ug/Kg	10/17/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	380	ug/Kg	10/17/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
4-Chloroaniline	ND	710	170	ug/Kg	10/17/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	10/17/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitroaniline	ND	1800	120	ug/Kg	10/17/14	DD	SW 8270
4-Nitrophenol	ND	1800	160	ug/Kg	10/17/14	DD	SW 8270
Acenaphthene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Acenaphthylene	ND	250	99	ug/Kg	10/17/14	DD	SW 8270
Acetophenone	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Aniline	ND	1800	720	ug/Kg	10/17/14	DD	SW 8270
Anthracene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Benz(a)anthracene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Benzidine	ND	710	210	ug/Kg	10/17/14	DD	SW 8270
Benzo(a)pyrene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Benzo(b)fluoranthene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Benzo(ghi)perylene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Benzo(k)fluoranthene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Benzoic acid	ND	1800	710	ug/Kg	10/17/14	DD	SW 8270
Benzyl butyl phthalate	ND	250	92	ug/Kg	10/17/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	98	ug/Kg	10/17/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	250	96	ug/Kg	10/17/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	99	ug/Kg	10/17/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
Carbazole	ND	1800	270	ug/Kg	10/17/14	DD	SW 8270
Chrysene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Dibenzofuran	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
Diethyl phthalate	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Dimethylphthalate	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Di-n-butylphthalate	ND	250	94	ug/Kg	10/17/14	DD	SW 8270
Di-n-octylphthalate	ND	250	92	ug/Kg	10/17/14	DD	SW 8270
Fluoranthene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Fluorene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Hexachlorobenzene	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
Hexachlorobutadiene	ND	250	130	ug/Kg	10/17/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Hexachloroethane	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Isophorone	ND	250	99	ug/Kg	10/17/14	DD	SW 8270
Naphthalene	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
Nitrobenzene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
N-Nitrosodimethylamine	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	10/17/14	DD	SW 8270
Pentachloronitrobenzene	ND	250	130	ug/Kg	10/17/14	DD	SW 8270
Pentachlorophenol	ND	250	130	ug/Kg	10/17/14	DD	SW 8270
Phenanthrene	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
Phenol	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Pyrene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Pyridine	ND	250	87	ug/Kg	10/17/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	80			%	10/17/14	DD	19 - 122 %
% 2-Fluorobiphenyl	86			%	10/17/14	DD	30 - 115 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorophenol	71			%	10/17/14	DD	25 - 121 %
% Nitrobenzene-d5	77			%	10/17/14	DD	23 - 120 %
% Phenol-d5	80			%	10/17/14	DD	24 - 113 %
% Terphenyl-d14	89			%	10/17/14	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 Quantitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

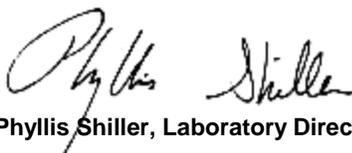
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are 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

October 23, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



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

Analysis Report

October 23, 2014

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

Sample Information

Matrix: SOLID
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by:
 Received by: SW
 Analyzed by: see "By" below

Date

10/13/14
 10/16/14

Time

10:00
 14:53

Laboratory Data

SDG ID: GBH28329
 Phoenix ID: BH28333

Project ID: 74 VERNON AVE BROOKLYN
 Client ID: SB3 0-2 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.37	0.37	0.37	mg/Kg	10/17/14	LK	SW6010
Aluminum	7020	37	7.3	mg/Kg	10/17/14	LK	SW6010
Arsenic	3.1	0.7	0.73	mg/Kg	10/17/14	LK	SW6010
Barium	46.7	0.7	0.37	mg/Kg	10/17/14	LK	SW6010
Beryllium	0.37	* 0.29	0.15	mg/Kg	10/17/14	LK	SW6010
Calcium	6430	3.7	3.4	mg/Kg	10/17/14	LK	SW6010
Cadmium	0.20	B 0.37	0.15	mg/Kg	10/17/14	LK	SW6010
Cobalt	5.88	0.37	0.37	mg/Kg	10/17/14	LK	SW6010
Chromium	13.6	0.37	0.37	mg/Kg	10/17/14	LK	SW6010
Copper	15.7	0.37	0.37	mg/kg	10/17/14	LK	SW6010
Iron	15000	37	37	mg/Kg	10/17/14	LK	SW6010
Mercury	0.08	0.07	0.04	mg/Kg	10/17/14	RS	SW-7471
Potassium	1070	N 7	2.9	mg/Kg	10/17/14	LK	SW6010
Magnesium	1950	3.7	3.7	mg/Kg	10/17/14	LK	SW6010
Manganese	321	N 3.7	3.7	mg/Kg	10/17/14	LK	SW6010
Sodium	290	N 7	3.2	mg/Kg	10/17/14	LK	SW6010
Nickel	11.7	0.37	0.37	mg/Kg	10/17/14	LK	SW6010
Lead	52.3	0.7	0.37	mg/Kg	10/17/14	LK	SW6010
Antimony	< 1.8	1.8	1.8	mg/Kg	10/17/14	LK	SW6010
Selenium	< 1.5	1.5	1.2	mg/Kg	10/17/14	LK	SW6010
Thallium	< 1.5	1.5	1.5	mg/Kg	10/17/14	LK	SW6010
Vanadium	23.0	0.4	0.37	mg/Kg	10/17/14	LK	SW6010
Zinc	43.2	0.7	0.37	mg/Kg	10/17/14	LK	SW6010
Percent Solid	91			%	10/16/14	I	E160.3
Soil Extraction for PCB	Completed				10/16/14	CC/H	SW3545
Soil Extraction for Pesticide	Completed				10/16/14	CC	SW3545
Soil Extraction for SVOA	Completed				10/16/14	CJ/VH	SW3545
Mercury Digestion	Completed				10/17/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				10/16/14	CB/AG	SW846 - 3050
Field Extraction	Completed				10/13/14		SW5035

Polychlorinated Biphenyls

PCB-1016	ND	36	36	ug/Kg	10/20/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	10/20/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	10/20/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	10/20/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	10/20/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	10/20/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	10/20/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	10/20/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	10/20/14	AW	SW 8082

QA/QC Surrogates

% DCBP	88			%	10/20/14	AW	30 - 150 %
% TCMX	82			%	10/20/14	AW	30 - 150 %

Pesticides - Soil

4,4' -DDD	69	22	22	ug/Kg	10/20/14	KCA	SW8081
4,4' -DDE	880	110	110	ug/Kg	10/20/14	KCA	SW8081
4,4' -DDT	820	110	110	ug/Kg	10/20/14	KCA	SW8081
a-BHC	ND	7.2	7.2	ug/Kg	10/20/14	KCA	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	10/20/14	KCA	SW8081
Aldrin	ND	3.6	3.6	ug/Kg	10/20/14	KCA	SW8081
b-BHC	ND	7.2	7.2	ug/Kg	10/20/14	KCA	SW8081
Chlordane	ND	36	36	ug/Kg	10/20/14	KCA	SW8081
d-BHC	ND	7.2	7.2	ug/Kg	10/20/14	KCA	SW8081
Dieldrin	56	3.6	3.6	ug/Kg	10/20/14	KCA	SW8081
Endosulfan I	ND	7.2	7.2	ug/Kg	10/20/14	KCA	SW8081
Endosulfan II	ND	7.2	7.2	ug/Kg	10/20/14	KCA	SW8081
Endosulfan sulfate	ND	7.2	7.2	ug/Kg	10/20/14	KCA	SW8081
Endrin	ND	7.2	7.2	ug/Kg	10/20/14	KCA	SW8081
Endrin aldehyde	ND	7.2	7.2	ug/Kg	10/20/14	KCA	SW8081
Endrin ketone	ND	7.2	7.2	ug/Kg	10/20/14	KCA	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	10/20/14	KCA	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	10/20/14	KCA	SW8081
Heptachlor	ND	7.2	7.2	ug/Kg	10/20/14	KCA	SW8081
Heptachlor epoxide	ND	7.2	7.2	ug/Kg	10/20/14	KCA	SW8081
Methoxychlor	ND	36	36	ug/Kg	10/20/14	KCA	SW8081
Toxaphene	ND	140	140	ug/Kg	10/20/14	KCA	SW8081

QA/QC Surrogates

% DCBP	81			%	10/20/14	KCA	30 - 150 %
% TCMX	85			%	10/20/14	KCA	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	11	1.8	ug/Kg	10/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	11	2.2	ug/Kg	10/17/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	11	1.6	ug/Kg	10/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	11	1.1	ug/Kg	10/17/14	JLI	SW8260
1,1-Dichloroethane	ND	11	2.2	ug/Kg	10/17/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloroethene	ND	11	2.4	ug/Kg	10/17/14	JLI	SW8260
1,1-Dichloropropene	ND	11	2.1	ug/Kg	10/17/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	11	2.2	ug/Kg	10/17/14	JLI	SW8260
1,2,3-Trichloropropane	ND	11	1.6	ug/Kg	10/17/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	11	2.2	ug/Kg	10/17/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	11	1.6	ug/Kg	10/17/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	11	2.9	ug/Kg	10/17/14	JLI	SW8260
1,2-Dibromoethane	ND	11	2.9	ug/Kg	10/17/14	JLI	SW8260
1,2-Dichlorobenzene	ND	11	1.2	ug/Kg	10/17/14	JLI	SW8260
1,2-Dichloroethane	ND	11	0.96	ug/Kg	10/17/14	JLI	SW8260
1,2-Dichloropropane	ND	11	1.6	ug/Kg	10/17/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	11	1.4	ug/Kg	10/17/14	JLI	SW8260
1,3-Dichlorobenzene	ND	11	1.6	ug/Kg	10/17/14	JLI	SW8260
1,3-Dichloropropane	ND	11	1.2	ug/Kg	10/17/14	JLI	SW8260
1,4-Dichlorobenzene	ND	11	1.7	ug/Kg	10/17/14	JLI	SW8260
2,2-Dichloropropane	ND	11	1.8	ug/Kg	10/17/14	JLI	SW8260
2-Chlorotoluene	ND	11	1.7	ug/Kg	10/17/14	JLI	SW8260
2-Hexanone	ND	55	4.9	ug/Kg	10/17/14	JLI	SW8260
2-Isopropyltoluene	ND	11	1.5	ug/Kg	10/17/14	JLI	SW8260
4-Chlorotoluene	ND	11	1.3	ug/Kg	10/17/14	JLI	SW8260
4-Methyl-2-pentanone	ND	55	2.6	ug/Kg	10/17/14	JLI	SW8260
Acetone	33	JS 50	11	ug/Kg	10/17/14	JLI	SW8260
Acrylonitrile	ND	22	6.1	ug/Kg	10/17/14	JLI	SW8260
Benzene	ND	11	2.2	ug/Kg	10/17/14	JLI	SW8260
Bromobenzene	ND	11	1.4	ug/Kg	10/17/14	JLI	SW8260
Bromochloromethane	ND	11	1.6	ug/Kg	10/17/14	JLI	SW8260
Bromodichloromethane	ND	11	1.4	ug/Kg	10/17/14	JLI	SW8260
Bromoform	ND	11	1.5	ug/Kg	10/17/14	JLI	SW8260
Bromomethane	ND	11	8.4	ug/Kg	10/17/14	JLI	SW8260
Carbon Disulfide	ND	11	1.8	ug/Kg	10/17/14	JLI	SW8260
Carbon tetrachloride	ND	11	1.3	ug/Kg	10/17/14	JLI	SW8260
Chlorobenzene	ND	11	1.6	ug/Kg	10/17/14	JLI	SW8260
Chloroethane	ND	11	2.6	ug/Kg	10/17/14	JLI	SW8260
Chloroform	ND	11	2.0	ug/Kg	10/17/14	JLI	SW8260
Chloromethane	ND	11	5.7	ug/Kg	10/17/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	11	2.4	ug/Kg	10/17/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	11	1.2	ug/Kg	10/17/14	JLI	SW8260
Dibromochloromethane	ND	11	1.2	ug/Kg	10/17/14	JLI	SW8260
Dibromomethane	ND	11	1.4	ug/Kg	10/17/14	JLI	SW8260
Dichlorodifluoromethane	ND	11	2.9	ug/Kg	10/17/14	JLI	SW8260
Ethylbenzene	ND	11	2.0	ug/Kg	10/17/14	JLI	SW8260
Hexachlorobutadiene	ND	11	2.3	ug/Kg	10/17/14	JLI	SW8260
Isopropylbenzene	ND	11	2.1	ug/Kg	10/17/14	JLI	SW8260
m&p-Xylene	ND	11	4.3	ug/Kg	10/17/14	JLI	SW8260
Methyl Ethyl Ketone	ND	66	9.5	ug/Kg	10/17/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	22	3.0	ug/Kg	10/17/14	JLI	SW8260
Methylene chloride	ND	11	1.8	ug/Kg	10/17/14	JLI	SW8260
Naphthalene	ND	11	2.9	ug/Kg	10/17/14	JLI	SW8260
n-Butylbenzene	ND	11	2.0	ug/Kg	10/17/14	JLI	SW8260

1

B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
n-Propylbenzene	ND	11	2.0	ug/Kg	10/17/14	JLI	SW8260
o-Xylene	ND	11	4.2	ug/Kg	10/17/14	JLI	SW8260
p-Isopropyltoluene	ND	11	1.6	ug/Kg	10/17/14	JLI	SW8260
sec-Butylbenzene	ND	11	2.1	ug/Kg	10/17/14	JLI	SW8260
Styrene	ND	11	3.1	ug/Kg	10/17/14	JLI	SW8260
tert-Butylbenzene	ND	11	1.7	ug/Kg	10/17/14	JLI	SW8260
Tetrachloroethene	ND	11	2.3	ug/Kg	10/17/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	22	9.8	ug/Kg	10/17/14	JLI	SW8260
Toluene	ND	11	1.7	ug/Kg	10/17/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	11	2.2	ug/Kg	10/17/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	11	2.2	ug/Kg	10/17/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	22	20	ug/Kg	10/17/14	JLI	SW8260
Trichloroethene	ND	11	2.3	ug/Kg	10/17/14	JLI	SW8260
Trichlorofluoromethane	ND	11	2.4	ug/Kg	10/17/14	JLI	SW8260
Trichlorotrifluoroethane	ND	11	1.7	ug/Kg	10/17/14	JLI	SW8260
Vinyl chloride	ND	11	3.5	ug/Kg	10/17/14	JLI	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	96			%	10/17/14	JLI	70 - 121 %
% Bromofluorobenzene	98			%	10/17/14	JLI	59 - 113 %
% Dibromofluoromethane	96			%	10/17/14	JLI	70 - 130 %
% Toluene-d8	92			%	10/17/14	JLI	84 - 138 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	10/17/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	10/17/14	DD	SW 8270
1,2-Dichlorobenzene	ND	260	100	ug/Kg	10/17/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	10/17/14	DD	SW 8270
1,3-Dichlorobenzene	ND	260	110	ug/Kg	10/17/14	DD	SW 8270
1,4-Dichlorobenzene	ND	260	110	ug/Kg	10/17/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	10/17/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	10/17/14	DD	SW 8270
2,4-Dichlorophenol	ND	260	130	ug/Kg	10/17/14	DD	SW 8270
2,4-Dimethylphenol	ND	260	91	ug/Kg	10/17/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	260	ug/Kg	10/17/14	DD	SW 8270
2,4-Dinitrotoluene	ND	260	140	ug/Kg	10/17/14	DD	SW 8270
2,6-Dinitrotoluene	ND	260	120	ug/Kg	10/17/14	DD	SW 8270
2-Chloronaphthalene	ND	260	100	ug/Kg	10/17/14	DD	SW 8270
2-Chlorophenol	ND	260	100	ug/Kg	10/17/14	DD	SW 8270
2-Methylnaphthalene	ND	260	110	ug/Kg	10/17/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	10/17/14	DD	SW 8270
2-Nitroaniline	ND	1800	370	ug/Kg	10/17/14	DD	SW 8270
2-Nitrophenol	ND	260	230	ug/Kg	10/17/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	260	140	ug/Kg	10/17/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	730	170	ug/Kg	10/17/14	DD	SW 8270
3-Nitroaniline	ND	1800	800	ug/Kg	10/17/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	390	ug/Kg	10/17/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	10/17/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	10/17/14	DD	SW 8270
4-Chloroaniline	ND	730	170	ug/Kg	10/17/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	10/17/14	DD	SW 8270

Client ID: SB3 0-2 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitroaniline	ND	1800	120	ug/Kg	10/17/14	DD	SW 8270
4-Nitrophenol	ND	1800	170	ug/Kg	10/17/14	DD	SW 8270
Acenaphthene	ND	260	110	ug/Kg	10/17/14	DD	SW 8270
Acenaphthylene	ND	260	100	ug/Kg	10/17/14	DD	SW 8270
Acetophenone	ND	260	110	ug/Kg	10/17/14	DD	SW 8270
Aniline	ND	1800	740	ug/Kg	10/17/14	DD	SW 8270
Anthracene	ND	260	120	ug/Kg	10/17/14	DD	SW 8270
Benz(a)anthracene	340	260	120	ug/Kg	10/17/14	DD	SW 8270
Benzidine	ND	730	220	ug/Kg	10/17/14	DD	SW 8270
Benzo(a)pyrene	280	260	120	ug/Kg	10/17/14	DD	SW 8270
Benzo(b)fluoranthene	330	260	130	ug/Kg	10/17/14	DD	SW 8270
Benzo(ghi)perylene	180	J 260	120	ug/Kg	10/17/14	DD	SW 8270
Benzo(k)fluoranthene	ND	260	120	ug/Kg	10/17/14	DD	SW 8270
Benzoic acid	ND	1800	730	ug/Kg	10/17/14	DD	SW 8270
Benzyl butyl phthalate	12000	1300	470	ug/Kg	10/19/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	10/17/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	260	99	ug/Kg	10/17/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	10/17/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	890	260	110	ug/Kg	10/17/14	DD	SW 8270
Carbazole	ND	1800	280	ug/Kg	10/17/14	DD	SW 8270
Chrysene	420	260	120	ug/Kg	10/17/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	260	120	ug/Kg	10/17/14	DD	SW 8270
Dibenzofuran	ND	260	110	ug/Kg	10/17/14	DD	SW 8270
Diethyl phthalate	ND	260	120	ug/Kg	10/17/14	DD	SW 8270
Dimethylphthalate	ND	260	110	ug/Kg	10/17/14	DD	SW 8270
Di-n-butylphthalate	ND	260	97	ug/Kg	10/17/14	DD	SW 8270
Di-n-octylphthalate	ND	260	94	ug/Kg	10/17/14	DD	SW 8270
Fluoranthene	640	260	120	ug/Kg	10/17/14	DD	SW 8270
Fluorene	ND	260	120	ug/Kg	10/17/14	DD	SW 8270
Hexachlorobenzene	ND	260	110	ug/Kg	10/17/14	DD	SW 8270
Hexachlorobutadiene	ND	260	130	ug/Kg	10/17/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	10/17/14	DD	SW 8270
Hexachloroethane	ND	260	110	ug/Kg	10/17/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	130	J 260	120	ug/Kg	10/17/14	DD	SW 8270
Isophorone	ND	260	100	ug/Kg	10/17/14	DD	SW 8270
Naphthalene	ND	260	110	ug/Kg	10/17/14	DD	SW 8270
Nitrobenzene	ND	260	130	ug/Kg	10/17/14	DD	SW 8270
N-Nitrosodimethylamine	ND	260	100	ug/Kg	10/17/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	260	120	ug/Kg	10/17/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	10/17/14	DD	SW 8270
Pentachloronitrobenzene	ND	260	140	ug/Kg	10/17/14	DD	SW 8270
Pentachlorophenol	ND	260	140	ug/Kg	10/17/14	DD	SW 8270
Phenanthrene	620	260	100	ug/Kg	10/17/14	DD	SW 8270
Phenol	ND	260	120	ug/Kg	10/17/14	DD	SW 8270
Pyrene	780	260	130	ug/Kg	10/17/14	DD	SW 8270
Pyridine	ND	260	90	ug/Kg	10/17/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	88			%	10/17/14	DD	19 - 122 %
% 2-Fluorobiphenyl	93			%	10/17/14	DD	30 - 115 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorophenol	73			%	10/17/14	DD	25 - 121 %
% Nitrobenzene-d5	77			%	10/17/14	DD	23 - 120 %
% Phenol-d5	80			%	10/17/14	DD	24 - 113 %
% Terphenyl-d14	92			%	10/17/14	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, no bias suspected.

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

Comments:

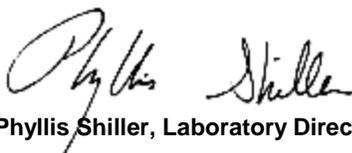
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are 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

October 23, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



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

Analysis Report

October 23, 2014

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

Sample Information

Matrix: SOLID
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by:
 Received by: SW
 Analyzed by: see "By" below

Date

10/13/14
 10/16/14

Time

10:30
 14:53

Laboratory Data

SDG ID: GBH28329
 Phoenix ID: BH28334

Project ID: 74 VERNON AVE BROOKLYN
 Client ID: SB3 11-13 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.32	0.32	0.32	mg/Kg	10/17/14	LK	SW6010
Aluminum	2560	32	6.4	mg/Kg	10/17/14	LK	SW6010
Arsenic	1.1	0.6	0.64	mg/Kg	10/17/14	LK	SW6010
Barium	20.0	0.6	0.32	mg/Kg	10/17/14	LK	SW6010
Beryllium	0.23	B* 0.26	0.13	mg/Kg	10/17/14	LK	SW6010
Calcium	858	3.2	3.0	mg/Kg	10/17/14	LK	SW6010
Cadmium	< 0.32	0.32	0.13	mg/Kg	10/17/14	LK	SW6010
Cobalt	5.28	0.32	0.32	mg/Kg	10/17/14	LK	SW6010
Chromium	7.35	0.32	0.32	mg/Kg	10/17/14	LK	SW6010
Copper	13.0	0.32	0.32	mg/kg	10/17/14	LK	SW6010
Iron	9210	32	32	mg/Kg	10/17/14	LK	SW6010
Mercury	< 0.07	0.07	0.04	mg/Kg	10/17/14	RS	SW-7471
Potassium	477	N 6	2.5	mg/Kg	10/17/14	LK	SW6010
Magnesium	1140	3.2	3.2	mg/Kg	10/17/14	LK	SW6010
Manganese	307	N 3.2	3.2	mg/Kg	10/17/14	LK	SW6010
Sodium	74	N 6	2.8	mg/Kg	10/17/14	LK	SW6010
Nickel	7.04	0.32	0.32	mg/Kg	10/17/14	LK	SW6010
Lead	3.1	0.6	0.32	mg/Kg	10/17/14	LK	SW6010
Antimony	< 1.6	1.6	1.6	mg/Kg	10/17/14	LK	SW6010
Selenium	< 1.3	1.3	1.1	mg/Kg	10/17/14	LK	SW6010
Thallium	< 1.3	1.3	1.3	mg/Kg	10/17/14	LK	SW6010
Vanadium	12.1	0.3	0.32	mg/Kg	10/17/14	LK	SW6010
Zinc	14.2	0.6	0.32	mg/Kg	10/17/14	LK	SW6010
Percent Solid	97			%	10/16/14	I	E160.3
Soil Extraction for PCB	Completed				10/16/14	CC/H	SW3545
Soil Extraction for Pesticide	Completed				10/16/14	CC	SW3545
Soil Extraction for SVOA	Completed				10/16/14	CJ/VH	SW3545
Mercury Digestion	Completed				10/17/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				10/16/14	CB/AG	SW846 - 3050
Field Extraction	Completed				10/13/14		SW5035

Polychlorinated Biphenyls

PCB-1016	ND	34	34	ug/Kg	10/17/14	AW	SW 8082
PCB-1221	ND	34	34	ug/Kg	10/17/14	AW	SW 8082
PCB-1232	ND	34	34	ug/Kg	10/17/14	AW	SW 8082
PCB-1242	ND	34	34	ug/Kg	10/17/14	AW	SW 8082
PCB-1248	ND	34	34	ug/Kg	10/17/14	AW	SW 8082
PCB-1254	ND	34	34	ug/Kg	10/17/14	AW	SW 8082
PCB-1260	ND	34	34	ug/Kg	10/17/14	AW	SW 8082
PCB-1262	ND	34	34	ug/Kg	10/17/14	AW	SW 8082
PCB-1268	ND	34	34	ug/Kg	10/17/14	AW	SW 8082

QA/QC Surrogates

% DCBP	90			%	10/17/14	AW	30 - 150 %
% TCMX	89			%	10/17/14	AW	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.0	2.0	ug/Kg	10/17/14	KCA	SW8081
4,4' -DDE	ND	2.0	2.0	ug/Kg	10/17/14	KCA	SW8081
4,4' -DDT	ND	2.0	2.0	ug/Kg	10/17/14	KCA	SW8081
a-BHC	ND	6.8	6.8	ug/Kg	10/17/14	KCA	SW8081
a-Chlordane	ND	3.4	3.4	ug/Kg	10/17/14	KCA	SW8081
Aldrin	ND	3.4	3.4	ug/Kg	10/17/14	KCA	SW8081
b-BHC	ND	6.8	6.8	ug/Kg	10/17/14	KCA	SW8081
Chlordane	ND	34	34	ug/Kg	10/17/14	KCA	SW8081
d-BHC	ND	6.8	6.8	ug/Kg	10/17/14	KCA	SW8081
Dieldrin	ND	3.4	3.4	ug/Kg	10/17/14	KCA	SW8081
Endosulfan I	ND	6.8	6.8	ug/Kg	10/17/14	KCA	SW8081
Endosulfan II	ND	6.8	6.8	ug/Kg	10/17/14	KCA	SW8081
Endosulfan sulfate	ND	6.8	6.8	ug/Kg	10/17/14	KCA	SW8081
Endrin	ND	6.8	6.8	ug/Kg	10/17/14	KCA	SW8081
Endrin aldehyde	ND	6.8	6.8	ug/Kg	10/17/14	KCA	SW8081
Endrin ketone	ND	6.8	6.8	ug/Kg	10/17/14	KCA	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	10/17/14	KCA	SW8081
g-Chlordane	ND	3.4	3.4	ug/Kg	10/17/14	KCA	SW8081
Heptachlor	ND	6.8	6.8	ug/Kg	10/17/14	KCA	SW8081
Heptachlor epoxide	ND	6.8	6.8	ug/Kg	10/17/14	KCA	SW8081
Methoxychlor	ND	34	34	ug/Kg	10/17/14	KCA	SW8081
Toxaphene	ND	140	140	ug/Kg	10/17/14	KCA	SW8081

QA/QC Surrogates

% DCBP	90			%	10/17/14	KCA	30 - 150 %
% TCMX	89			%	10/17/14	KCA	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	9.4	1.5	ug/Kg	10/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	9.4	1.9	ug/Kg	10/17/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	9.4	1.3	ug/Kg	10/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	9.4	0.92	ug/Kg	10/17/14	JLI	SW8260
1,1-Dichloroethane	ND	9.4	1.9	ug/Kg	10/17/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloroethene	ND	9.4	2.0	ug/Kg	10/17/14	JLI	SW8260
1,1-Dichloropropene	ND	9.4	1.8	ug/Kg	10/17/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	9.4	1.9	ug/Kg	10/17/14	JLI	SW8260
1,2,3-Trichloropropane	ND	9.4	1.3	ug/Kg	10/17/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	9.4	1.9	ug/Kg	10/17/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	9.4	1.4	ug/Kg	10/17/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	9.4	2.5	ug/Kg	10/17/14	JLI	SW8260
1,2-Dibromoethane	ND	9.4	2.5	ug/Kg	10/17/14	JLI	SW8260
1,2-Dichlorobenzene	ND	9.4	1.0	ug/Kg	10/17/14	JLI	SW8260
1,2-Dichloroethane	ND	9.4	0.83	ug/Kg	10/17/14	JLI	SW8260
1,2-Dichloropropane	ND	9.4	1.3	ug/Kg	10/17/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	9.4	1.2	ug/Kg	10/17/14	JLI	SW8260
1,3-Dichlorobenzene	ND	9.4	1.4	ug/Kg	10/17/14	JLI	SW8260
1,3-Dichloropropane	ND	9.4	0.99	ug/Kg	10/17/14	JLI	SW8260
1,4-Dichlorobenzene	ND	9.4	1.5	ug/Kg	10/17/14	JLI	SW8260
2,2-Dichloropropane	ND	9.4	1.6	ug/Kg	10/17/14	JLI	SW8260
2-Chlorotoluene	ND	9.4	1.5	ug/Kg	10/17/14	JLI	SW8260
2-Hexanone	ND	47	4.2	ug/Kg	10/17/14	JLI	SW8260
2-Isopropyltoluene	ND	9.4	1.3	ug/Kg	10/17/14	JLI	SW8260
4-Chlorotoluene	ND	9.4	1.1	ug/Kg	10/17/14	JLI	SW8260
4-Methyl-2-pentanone	ND	47	2.2	ug/Kg	10/17/14	JLI	SW8260
Acetone	11	JS 50	9.3	ug/Kg	10/17/14	JLI	SW8260
Acrylonitrile	ND	19	5.3	ug/Kg	10/17/14	JLI	SW8260
Benzene	ND	9.4	1.9	ug/Kg	10/17/14	JLI	SW8260
Bromobenzene	ND	9.4	1.2	ug/Kg	10/17/14	JLI	SW8260
Bromochloromethane	ND	9.4	1.4	ug/Kg	10/17/14	JLI	SW8260
Bromodichloromethane	ND	9.4	1.2	ug/Kg	10/17/14	JLI	SW8260
Bromoform	ND	9.4	1.3	ug/Kg	10/17/14	JLI	SW8260
Bromomethane	ND	9.4	7.2	ug/Kg	10/17/14	JLI	SW8260
Carbon Disulfide	ND	9.4	1.5	ug/Kg	10/17/14	JLI	SW8260
Carbon tetrachloride	ND	9.4	1.1	ug/Kg	10/17/14	JLI	SW8260
Chlorobenzene	ND	9.4	1.4	ug/Kg	10/17/14	JLI	SW8260
Chloroethane	ND	9.4	2.2	ug/Kg	10/17/14	JLI	SW8260
Chloroform	ND	9.4	1.7	ug/Kg	10/17/14	JLI	SW8260
Chloromethane	ND	9.4	4.9	ug/Kg	10/17/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	9.4	2.0	ug/Kg	10/17/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	9.4	1.0	ug/Kg	10/17/14	JLI	SW8260
Dibromochloromethane	ND	9.4	1.1	ug/Kg	10/17/14	JLI	SW8260
Dibromomethane	ND	9.4	1.2	ug/Kg	10/17/14	JLI	SW8260
Dichlorodifluoromethane	ND	9.4	2.5	ug/Kg	10/17/14	JLI	SW8260
Ethylbenzene	ND	9.4	1.7	ug/Kg	10/17/14	JLI	SW8260
Hexachlorobutadiene	ND	9.4	2.0	ug/Kg	10/17/14	JLI	SW8260
Isopropylbenzene	ND	9.4	1.8	ug/Kg	10/17/14	JLI	SW8260
m&p-Xylene	ND	9.4	3.7	ug/Kg	10/17/14	JLI	SW8260
Methyl Ethyl Ketone	ND	56	8.1	ug/Kg	10/17/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	19	2.6	ug/Kg	10/17/14	JLI	SW8260
Methylene chloride	1.7	JS 9.4	1.5	ug/Kg	10/17/14	JLI	SW8260
Naphthalene	ND	9.4	2.5	ug/Kg	10/17/14	JLI	SW8260
n-Butylbenzene	ND	9.4	1.7	ug/Kg	10/17/14	JLI	SW8260

1

B*

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
n-Propylbenzene	ND	9.4	1.7	ug/Kg	10/17/14	JLI	SW8260
o-Xylene	ND	9.4	3.6	ug/Kg	10/17/14	JLI	SW8260
p-Isopropyltoluene	ND	9.4	1.4	ug/Kg	10/17/14	JLI	SW8260
sec-Butylbenzene	ND	9.4	1.8	ug/Kg	10/17/14	JLI	SW8260
Styrene	ND	9.4	2.7	ug/Kg	10/17/14	JLI	SW8260
tert-Butylbenzene	ND	9.4	1.5	ug/Kg	10/17/14	JLI	SW8260
Tetrachloroethene	ND	9.4	2.0	ug/Kg	10/17/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	19	8.4	ug/Kg	10/17/14	JLI	SW8260
Toluene	ND	9.4	1.5	ug/Kg	10/17/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	9.4	1.9	ug/Kg	10/17/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	9.4	1.9	ug/Kg	10/17/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	19	17	ug/Kg	10/17/14	JLI	SW8260
Trichloroethene	ND	9.4	2.0	ug/Kg	10/17/14	JLI	SW8260
Trichlorofluoromethane	ND	9.4	2.1	ug/Kg	10/17/14	JLI	SW8260
Trichlorotrifluoroethane	ND	9.4	1.5	ug/Kg	10/17/14	JLI	SW8260
Vinyl chloride	ND	9.4	3.0	ug/Kg	10/17/14	JLI	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	102			%	10/17/14	JLI	70 - 121 %
% Bromofluorobenzene	100			%	10/17/14	JLI	59 - 113 %
% Dibromofluoromethane	102			%	10/17/14	JLI	70 - 130 %
% Toluene-d8	93			%	10/17/14	JLI	84 - 138 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
1,2-Dichlorobenzene	ND	240	96	ug/Kg	10/17/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
1,3-Dichlorobenzene	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
1,4-Dichlorobenzene	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	10/17/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
2,4-Dichlorophenol	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
2,4-Dimethylphenol	ND	240	85	ug/Kg	10/17/14	DD	SW 8270
2,4-Dinitrophenol	ND	1700	240	ug/Kg	10/17/14	DD	SW 8270
2,4-Dinitrotoluene	ND	240	130	ug/Kg	10/17/14	DD	SW 8270
2,6-Dinitrotoluene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
2-Chloronaphthalene	ND	240	97	ug/Kg	10/17/14	DD	SW 8270
2-Chlorophenol	ND	240	97	ug/Kg	10/17/14	DD	SW 8270
2-Methylnaphthalene	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	10/17/14	DD	SW 8270
2-Nitroaniline	ND	1700	340	ug/Kg	10/17/14	DD	SW 8270
2-Nitrophenol	ND	240	220	ug/Kg	10/17/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	240	130	ug/Kg	10/17/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	680	160	ug/Kg	10/17/14	DD	SW 8270
3-Nitroaniline	ND	1700	740	ug/Kg	10/17/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1700	370	ug/Kg	10/17/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
4-Chloroaniline	ND	680	160	ug/Kg	10/17/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	240	110	ug/Kg	10/17/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitroaniline	ND	1700	110	ug/Kg	10/17/14	DD	SW 8270
4-Nitrophenol	ND	1700	150	ug/Kg	10/17/14	DD	SW 8270
Acenaphthene	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
Acenaphthylene	ND	240	96	ug/Kg	10/17/14	DD	SW 8270
Acetophenone	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Aniline	ND	1700	690	ug/Kg	10/17/14	DD	SW 8270
Anthracene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Benz(a)anthracene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Benzidine	ND	680	200	ug/Kg	10/17/14	DD	SW 8270
Benzo(a)pyrene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Benzo(b)fluoranthene	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
Benzo(ghi)perylene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Benzo(k)fluoranthene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Benzoic acid	ND	1700	680	ug/Kg	10/17/14	DD	SW 8270
Benzyl butyl phthalate	ND	240	88	ug/Kg	10/17/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	240	94	ug/Kg	10/17/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	240	92	ug/Kg	10/17/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	240	95	ug/Kg	10/17/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	240	98	ug/Kg	10/17/14	DD	SW 8270
Carbazole	ND	1700	260	ug/Kg	10/17/14	DD	SW 8270
Chrysene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Dibenzofuran	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
Diethyl phthalate	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Dimethylphthalate	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Di-n-butylphthalate	ND	240	91	ug/Kg	10/17/14	DD	SW 8270
Di-n-octylphthalate	ND	240	88	ug/Kg	10/17/14	DD	SW 8270
Fluoranthene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Fluorene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Hexachlorobenzene	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
Hexachlorobutadiene	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
Hexachloroethane	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Isophorone	ND	240	96	ug/Kg	10/17/14	DD	SW 8270
Naphthalene	ND	240	98	ug/Kg	10/17/14	DD	SW 8270
Nitrobenzene	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
N-Nitrosodimethylamine	ND	240	96	ug/Kg	10/17/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	240	130	ug/Kg	10/17/14	DD	SW 8270
Pentachloronitrobenzene	ND	240	130	ug/Kg	10/17/14	DD	SW 8270
Pentachlorophenol	ND	240	130	ug/Kg	10/17/14	DD	SW 8270
Phenanthrene	ND	240	98	ug/Kg	10/17/14	DD	SW 8270
Phenol	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Pyrene	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
Pyridine	ND	240	84	ug/Kg	10/17/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	78			%	10/17/14	DD	19 - 122 %
% 2-Fluorobiphenyl	72			%	10/17/14	DD	30 - 115 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorophenol	51			%	10/17/14	DD	25 - 121 %
% Nitrobenzene-d5	54			%	10/17/14	DD	23 - 120 %
% Phenol-d5	59			%	10/17/14	DD	24 - 113 %
% Terphenyl-d14	87			%	10/17/14	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 Quantitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

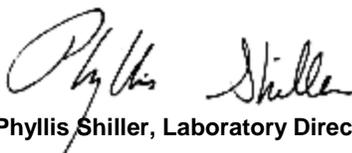
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are 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

October 23, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



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

Analysis Report

October 23, 2014

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

Sample Information

Matrix: SOLID
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by:
 Received by: SW
 Analyzed by: see "By" below

Date

10/15/14
 10/16/14

Time

12:00
 14:53

Laboratory Data

SDG ID: GBH28329
 Phoenix ID: BH28335

Project ID: 74 VERNON AVE BROOKLYN
 Client ID: SB4 0-2 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.33	0.33	0.33	mg/Kg	10/17/14	LK	SW6010
Aluminum	7920	33	6.6	mg/Kg	10/17/14	LK	SW6010
Arsenic	2.7	0.7	0.66	mg/Kg	10/17/14	LK	SW6010
Barium	43.5	0.7	0.33	mg/Kg	10/17/14	LK	SW6010
Beryllium	0.39	* 0.27	0.13	mg/Kg	10/17/14	LK	SW6010
Calcium	11200	33	31	mg/Kg	10/17/14	LK	SW6010
Cadmium	< 0.33	0.33	0.13	mg/Kg	10/17/14	LK	SW6010
Cobalt	6.36	0.33	0.33	mg/Kg	10/17/14	LK	SW6010
Chromium	16.9	0.33	0.33	mg/Kg	10/17/14	LK	SW6010
Copper	13.7	0.33	0.33	mg/kg	10/17/14	LK	SW6010
Iron	16500	33	33	mg/Kg	10/17/14	LK	SW6010
Mercury	< 0.07	0.07	0.04	mg/Kg	10/17/14	RS	SW-7471
Potassium	1020	N 7	2.6	mg/Kg	10/17/14	LK	SW6010
Magnesium	2380	3.3	3.3	mg/Kg	10/17/14	LK	SW6010
Manganese	325	N 3.3	3.3	mg/Kg	10/17/14	LK	SW6010
Sodium	223	N 7	2.9	mg/Kg	10/17/14	LK	SW6010
Nickel	15.4	0.33	0.33	mg/Kg	10/17/14	LK	SW6010
Lead	10.0	0.7	0.33	mg/Kg	10/17/14	LK	SW6010
Antimony	< 1.7	1.7	1.7	mg/Kg	10/17/14	LK	SW6010
Selenium	< 1.3	1.3	1.1	mg/Kg	10/17/14	LK	SW6010
Thallium	< 1.3	1.3	1.3	mg/Kg	10/17/14	LK	SW6010
Vanadium	23.5	0.3	0.33	mg/Kg	10/17/14	LK	SW6010
Zinc	31.9	0.7	0.33	mg/Kg	10/17/14	LK	SW6010
Percent Solid	93			%	10/16/14	I	E160.3
Soil Extraction for PCB	Completed				10/16/14	CC/H	SW3545
Soil Extraction for Pesticide	Completed				10/16/14	CC	SW3545
Soil Extraction for SVOA	Completed				10/16/14	CJ/VH	SW3545
Mercury Digestion	Completed				10/17/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				10/16/14	CB/AG	SW846 - 3050
Field Extraction	Completed				10/15/14		SW5035

Polychlorinated Biphenyls

PCB-1016	ND	36	36	ug/Kg	10/17/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	10/17/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	10/17/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	10/17/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	10/17/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	10/17/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	10/17/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	10/17/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	10/17/14	AW	SW 8082

QA/QC Surrogates

% DCBP	91			%	10/17/14	AW	30 - 150 %
% TCMX	87			%	10/17/14	AW	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	10/18/14	CE	SW8081
4,4' -DDE	28	2.1	2.1	ug/Kg	10/18/14	CE	SW8081
4,4' -DDT	72	4.3	4.3	ug/Kg	10/20/14	CE	SW8081
a-BHC	ND	7.1	7.1	ug/Kg	10/18/14	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	10/18/14	CE	SW8081
Aldrin	ND	3.6	3.6	ug/Kg	10/18/14	CE	SW8081
b-BHC	ND	7.1	7.1	ug/Kg	10/18/14	CE	SW8081
Chlordane	ND	36	36	ug/Kg	10/18/14	CE	SW8081
d-BHC	ND	7.1	7.1	ug/Kg	10/18/14	CE	SW8081
Dieldrin	ND	3.6	3.6	ug/Kg	10/18/14	CE	SW8081
Endosulfan I	ND	7.1	7.1	ug/Kg	10/18/14	CE	SW8081
Endosulfan II	ND	7.1	7.1	ug/Kg	10/18/14	CE	SW8081
Endosulfan sulfate	ND	7.1	7.1	ug/Kg	10/18/14	CE	SW8081
Endrin	ND	7.1	7.1	ug/Kg	10/18/14	CE	SW8081
Endrin aldehyde	ND	7.1	7.1	ug/Kg	10/18/14	CE	SW8081
Endrin ketone	ND	7.1	7.1	ug/Kg	10/18/14	CE	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	10/18/14	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	10/18/14	CE	SW8081
Heptachlor	ND	7.1	7.1	ug/Kg	10/18/14	CE	SW8081
Heptachlor epoxide	ND	7.1	7.1	ug/Kg	10/18/14	CE	SW8081
Methoxychlor	ND	36	36	ug/Kg	10/18/14	CE	SW8081
Toxaphene	ND	140	140	ug/Kg	10/18/14	CE	SW8081

QA/QC Surrogates

% DCBP	89			%	10/18/14	CE	30 - 150 %
% TCMX	85			%	10/18/14	CE	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	9.2	1.5	ug/Kg	10/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	9.2	1.8	ug/Kg	10/17/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	9.2	1.3	ug/Kg	10/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	9.2	0.91	ug/Kg	10/17/14	JLI	SW8260
1,1-Dichloroethane	ND	9.2	1.8	ug/Kg	10/17/14	JLI	SW8260

Client ID: SB4 0-2 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloroethene	ND	9.2	2.0	ug/Kg	10/17/14	JLI	SW8260
1,1-Dichloropropene	ND	9.2	1.8	ug/Kg	10/17/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	9.2	1.8	ug/Kg	10/17/14	JLI	SW8260
1,2,3-Trichloropropane	ND	9.2	1.3	ug/Kg	10/17/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	9.2	1.8	ug/Kg	10/17/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	9.2	1.3	ug/Kg	10/17/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	9.2	2.5	ug/Kg	10/17/14	JLI	SW8260
1,2-Dibromoethane	ND	9.2	2.5	ug/Kg	10/17/14	JLI	SW8260
1,2-Dichlorobenzene	ND	9.2	1.0	ug/Kg	10/17/14	JLI	SW8260
1,2-Dichloroethane	ND	9.2	0.81	ug/Kg	10/17/14	JLI	SW8260
1,2-Dichloropropane	ND	9.2	1.3	ug/Kg	10/17/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	9.2	1.2	ug/Kg	10/17/14	JLI	SW8260
1,3-Dichlorobenzene	ND	9.2	1.4	ug/Kg	10/17/14	JLI	SW8260
1,3-Dichloropropane	ND	9.2	0.98	ug/Kg	10/17/14	JLI	SW8260
1,4-Dichlorobenzene	ND	9.2	1.5	ug/Kg	10/17/14	JLI	SW8260
2,2-Dichloropropane	ND	9.2	1.6	ug/Kg	10/17/14	JLI	SW8260
2-Chlorotoluene	ND	9.2	1.5	ug/Kg	10/17/14	JLI	SW8260
2-Hexanone	ND	46	4.2	ug/Kg	10/17/14	JLI	SW8260
2-Isopropyltoluene	ND	9.2	1.3	ug/Kg	10/17/14	JLI	SW8260
4-Chlorotoluene	ND	9.2	1.1	ug/Kg	10/17/14	JLI	SW8260
4-Methyl-2-pentanone	ND	46	2.2	ug/Kg	10/17/14	JLI	SW8260
Acetone	23	JS 50	9.2	ug/Kg	10/17/14	JLI	SW8260
Acrylonitrile	ND	18	5.2	ug/Kg	10/17/14	JLI	SW8260
Benzene	ND	9.2	1.8	ug/Kg	10/17/14	JLI	SW8260
Bromobenzene	ND	9.2	1.2	ug/Kg	10/17/14	JLI	SW8260
Bromochloromethane	ND	9.2	1.4	ug/Kg	10/17/14	JLI	SW8260
Bromodichloromethane	ND	9.2	1.1	ug/Kg	10/17/14	JLI	SW8260
Bromoform	ND	9.2	1.3	ug/Kg	10/17/14	JLI	SW8260
Bromomethane	ND	9.2	7.1	ug/Kg	10/17/14	JLI	SW8260
Carbon Disulfide	ND	9.2	1.5	ug/Kg	10/17/14	JLI	SW8260
Carbon tetrachloride	ND	9.2	1.1	ug/Kg	10/17/14	JLI	SW8260
Chlorobenzene	ND	9.2	1.4	ug/Kg	10/17/14	JLI	SW8260
Chloroethane	ND	9.2	2.2	ug/Kg	10/17/14	JLI	SW8260
Chloroform	ND	9.2	1.7	ug/Kg	10/17/14	JLI	SW8260
Chloromethane	ND	9.2	4.8	ug/Kg	10/17/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	9.2	2.0	ug/Kg	10/17/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	9.2	1.0	ug/Kg	10/17/14	JLI	SW8260
Dibromochloromethane	ND	9.2	1.0	ug/Kg	10/17/14	JLI	SW8260
Dibromomethane	ND	9.2	1.2	ug/Kg	10/17/14	JLI	SW8260
Dichlorodifluoromethane	ND	9.2	2.5	ug/Kg	10/17/14	JLI	SW8260
Ethylbenzene	ND	9.2	1.7	ug/Kg	10/17/14	JLI	SW8260
Hexachlorobutadiene	ND	9.2	1.9	ug/Kg	10/17/14	JLI	SW8260
Isopropylbenzene	ND	9.2	1.8	ug/Kg	10/17/14	JLI	SW8260
m&p-Xylene	ND	9.2	3.6	ug/Kg	10/17/14	JLI	SW8260
Methyl Ethyl Ketone	ND	55	8.0	ug/Kg	10/17/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	18	2.6	ug/Kg	10/17/14	JLI	SW8260
Methylene chloride	2.5	JS 9.2	1.5	ug/Kg	10/17/14	JLI	SW8260
Naphthalene	ND	9.2	2.5	ug/Kg	10/17/14	JLI	SW8260
n-Butylbenzene	ND	9.2	1.7	ug/Kg	10/17/14	JLI	SW8260

1

B*

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
n-Propylbenzene	ND	9.2	1.7	ug/Kg	10/17/14	JLI	SW8260
o-Xylene	ND	9.2	3.5	ug/Kg	10/17/14	JLI	SW8260
p-Isopropyltoluene	ND	9.2	1.3	ug/Kg	10/17/14	JLI	SW8260
sec-Butylbenzene	ND	9.2	1.7	ug/Kg	10/17/14	JLI	SW8260
Styrene	ND	9.2	2.7	ug/Kg	10/17/14	JLI	SW8260
tert-Butylbenzene	ND	9.2	1.5	ug/Kg	10/17/14	JLI	SW8260
Tetrachloroethene	ND	9.2	1.9	ug/Kg	10/17/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	18	8.3	ug/Kg	10/17/14	JLI	SW8260
Toluene	ND	9.2	1.5	ug/Kg	10/17/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	9.2	1.8	ug/Kg	10/17/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	9.2	1.9	ug/Kg	10/17/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	18	17	ug/Kg	10/17/14	JLI	SW8260
Trichloroethene	ND	9.2	2.0	ug/Kg	10/17/14	JLI	SW8260
Trichlorofluoromethane	ND	9.2	2.1	ug/Kg	10/17/14	JLI	SW8260
Trichlorotrifluoroethane	ND	9.2	1.4	ug/Kg	10/17/14	JLI	SW8260
Vinyl chloride	ND	9.2	3.0	ug/Kg	10/17/14	JLI	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	97			%	10/17/14	JLI	70 - 121 %
% Bromofluorobenzene	99			%	10/17/14	JLI	59 - 113 %
% Dibromofluoromethane	79			%	10/17/14	JLI	70 - 130 %
% Toluene-d8	94			%	10/17/14	JLI	84 - 138 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
1,2-Dichlorobenzene	ND	240	99	ug/Kg	10/17/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
1,3-Dichlorobenzene	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
1,4-Dichlorobenzene	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	10/17/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
2,4-Dichlorophenol	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
2,4-Dimethylphenol	ND	240	87	ug/Kg	10/17/14	DD	SW 8270
2,4-Dinitrophenol	ND	1700	240	ug/Kg	10/17/14	DD	SW 8270
2,4-Dinitrotoluene	ND	240	140	ug/Kg	10/17/14	DD	SW 8270
2,6-Dinitrotoluene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
2-Chloronaphthalene	ND	240	99	ug/Kg	10/17/14	DD	SW 8270
2-Chlorophenol	ND	240	99	ug/Kg	10/17/14	DD	SW 8270
2-Methylnaphthalene	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	10/17/14	DD	SW 8270
2-Nitroaniline	ND	1700	350	ug/Kg	10/17/14	DD	SW 8270
2-Nitrophenol	ND	240	220	ug/Kg	10/17/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	10/17/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	700	160	ug/Kg	10/17/14	DD	SW 8270
3-Nitroaniline	ND	1700	760	ug/Kg	10/17/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1700	380	ug/Kg	10/17/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
4-Chloroaniline	ND	700	160	ug/Kg	10/17/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	10/17/14	DD	SW 8270

Client ID: SB4 0-2 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitroaniline	ND	1700	120	ug/Kg	10/17/14	DD	SW 8270
4-Nitrophenol	ND	1700	160	ug/Kg	10/17/14	DD	SW 8270
Acenaphthene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Acenaphthylene	ND	240	98	ug/Kg	10/17/14	DD	SW 8270
Acetophenone	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Aniline	ND	1700	710	ug/Kg	10/17/14	DD	SW 8270
Anthracene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Benz(a)anthracene	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
Benzidine	ND	700	210	ug/Kg	10/17/14	DD	SW 8270
Benzo(a)pyrene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Benzo(b)fluoranthene	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
Benzo(ghi)perylene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Benzo(k)fluoranthene	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
Benzoic acid	ND	1700	700	ug/Kg	10/17/14	DD	SW 8270
Benzyl butyl phthalate	130	J 240	90	ug/Kg	10/17/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	240	96	ug/Kg	10/17/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	240	94	ug/Kg	10/17/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	240	97	ug/Kg	10/17/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	230	J 240	100	ug/Kg	10/17/14	DD	SW 8270
Carbazole	ND	1700	260	ug/Kg	10/17/14	DD	SW 8270
Chrysene	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Dibenzofuran	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
Diethyl phthalate	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Dimethylphthalate	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Di-n-butylphthalate	ND	240	93	ug/Kg	10/17/14	DD	SW 8270
Di-n-octylphthalate	ND	240	90	ug/Kg	10/17/14	DD	SW 8270
Fluoranthene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Fluorene	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
Hexachlorobenzene	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
Hexachlorobutadiene	ND	240	130	ug/Kg	10/17/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Hexachloroethane	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
Isophorone	ND	240	98	ug/Kg	10/17/14	DD	SW 8270
Naphthalene	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
Nitrobenzene	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
N-Nitrosodimethylamine	ND	240	99	ug/Kg	10/17/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	240	130	ug/Kg	10/17/14	DD	SW 8270
Pentachloronitrobenzene	ND	240	130	ug/Kg	10/17/14	DD	SW 8270
Pentachlorophenol	ND	240	130	ug/Kg	10/17/14	DD	SW 8270
Phenanthrene	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
Phenol	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Pyrene	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
Pyridine	ND	240	86	ug/Kg	10/17/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	62			%	10/17/14	DD	19 - 122 %
% 2-Fluorobiphenyl	82			%	10/17/14	DD	30 - 115 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorophenol	59			%	10/17/14	DD	25 - 121 %
% Nitrobenzene-d5	65			%	10/17/14	DD	23 - 120 %
% Phenol-d5	69			%	10/17/14	DD	24 - 113 %
% Terphenyl-d14	95			%	10/17/14	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 Quantitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

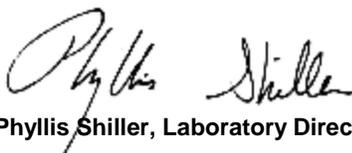
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are 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

October 23, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



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

Analysis Report
 October 23, 2014

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

Sample Information

Matrix: SOLID
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by:
 Received by: SW
 Analyzed by: see "By" below

Date

10/15/14
 10/16/14

Time

12:30
 14:53

Laboratory Data

SDG ID: GBH28329
 Phoenix ID: BH28336

Project ID: 74 VERNON AVE BROOKLYN
 Client ID: SB4 11-13 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.32	0.32	0.32	mg/Kg	10/17/14	LK	SW6010
Aluminum	4750	32	6.4	mg/Kg	10/17/14	LK	SW6010
Arsenic	1.4	0.6	0.64	mg/Kg	10/17/14	LK	SW6010
Barium	31.3	0.6	0.32	mg/Kg	10/17/14	LK	SW6010
Beryllium	0.35	* 0.25	0.13	mg/Kg	10/17/14	LK	SW6010
Calcium	1060	3.2	2.9	mg/Kg	10/17/14	LK	SW6010
Cadmium	< 0.32	0.32	0.13	mg/Kg	10/17/14	LK	SW6010
Cobalt	5.97	0.32	0.32	mg/Kg	10/17/14	LK	SW6010
Chromium	13.0	0.32	0.32	mg/Kg	10/17/14	LK	SW6010
Copper	13.5	0.32	0.32	mg/kg	10/17/14	LK	SW6010
Iron	9300	32	32	mg/Kg	10/17/14	LK	SW6010
Mercury	< 0.06	0.06	0.04	mg/Kg	10/17/14	RS	SW-7471
Potassium	1270	N 6	2.5	mg/Kg	10/17/14	LK	SW6010
Magnesium	2650	3.2	3.2	mg/Kg	10/17/14	LK	SW6010
Manganese	338	N 3.2	3.2	mg/Kg	10/17/14	LK	SW6010
Sodium	142	N 6	2.7	mg/Kg	10/17/14	LK	SW6010
Nickel	27.5	0.32	0.32	mg/Kg	10/17/14	LK	SW6010
Lead	6.2	0.6	0.32	mg/Kg	10/17/14	LK	SW6010
Antimony	< 1.6	1.6	1.6	mg/Kg	10/17/14	LK	SW6010
Selenium	< 1.3	1.3	1.1	mg/Kg	10/17/14	LK	SW6010
Thallium	< 1.3	1.3	1.3	mg/Kg	10/17/14	LK	SW6010
Vanadium	17.1	0.3	0.32	mg/Kg	10/17/14	LK	SW6010
Zinc	24.0	0.6	0.32	mg/Kg	10/17/14	LK	SW6010
Percent Solid	96			%	10/16/14	I	E160.3
Soil Extraction for PCB	Completed				10/16/14	CC/H	SW3545
Soil Extraction for Pesticide	Completed				10/16/14	CC	SW3545
Soil Extraction for SVOA	Completed				10/16/14	CJ/VH	SW3545
Mercury Digestion	Completed				10/17/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				10/16/14	CB/AG	SW846 - 3050
Field Extraction	Completed				10/15/14		SW5035

Polychlorinated Biphenyls

PCB-1016	ND	34	34	ug/Kg	10/17/14	AW	SW 8082
PCB-1221	ND	34	34	ug/Kg	10/17/14	AW	SW 8082
PCB-1232	ND	34	34	ug/Kg	10/17/14	AW	SW 8082
PCB-1242	ND	34	34	ug/Kg	10/17/14	AW	SW 8082
PCB-1248	ND	34	34	ug/Kg	10/17/14	AW	SW 8082
PCB-1254	ND	34	34	ug/Kg	10/17/14	AW	SW 8082
PCB-1260	ND	34	34	ug/Kg	10/17/14	AW	SW 8082
PCB-1262	ND	34	34	ug/Kg	10/17/14	AW	SW 8082
PCB-1268	ND	34	34	ug/Kg	10/17/14	AW	SW 8082

QA/QC Surrogates

% DCBP	93			%	10/17/14	AW	30 - 150 %
% TCMX	88			%	10/17/14	AW	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.0	2.0	ug/Kg	10/18/14	KCA	SW8081
4,4' -DDE	ND	2.0	2.0	ug/Kg	10/18/14	KCA	SW8081
4,4' -DDT	ND	2.0	2.0	ug/Kg	10/18/14	KCA	SW8081
a-BHC	ND	6.8	6.8	ug/Kg	10/18/14	KCA	SW8081
a-Chlordane	ND	3.4	3.4	ug/Kg	10/18/14	KCA	SW8081
Aldrin	ND	3.4	3.4	ug/Kg	10/18/14	KCA	SW8081
b-BHC	ND	6.8	6.8	ug/Kg	10/18/14	KCA	SW8081
Chlordane	ND	34	34	ug/Kg	10/18/14	KCA	SW8081
d-BHC	ND	6.8	6.8	ug/Kg	10/18/14	KCA	SW8081
Dieldrin	ND	3.4	3.4	ug/Kg	10/18/14	KCA	SW8081
Endosulfan I	ND	6.8	6.8	ug/Kg	10/18/14	KCA	SW8081
Endosulfan II	ND	6.8	6.8	ug/Kg	10/18/14	KCA	SW8081
Endosulfan sulfate	ND	6.8	6.8	ug/Kg	10/18/14	KCA	SW8081
Endrin	ND	6.8	6.8	ug/Kg	10/18/14	KCA	SW8081
Endrin aldehyde	ND	6.8	6.8	ug/Kg	10/18/14	KCA	SW8081
Endrin ketone	ND	6.8	6.8	ug/Kg	10/18/14	KCA	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	10/18/14	KCA	SW8081
g-Chlordane	ND	3.4	3.4	ug/Kg	10/18/14	KCA	SW8081
Heptachlor	ND	6.8	6.8	ug/Kg	10/18/14	KCA	SW8081
Heptachlor epoxide	ND	6.8	6.8	ug/Kg	10/18/14	KCA	SW8081
Methoxychlor	ND	34	34	ug/Kg	10/18/14	KCA	SW8081
Toxaphene	ND	140	140	ug/Kg	10/18/14	KCA	SW8081

QA/QC Surrogates

% DCBP	95			%	10/18/14	KCA	30 - 150 %
% TCMX	92			%	10/18/14	KCA	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	7.9	1.3	ug/Kg	10/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	7.9	1.6	ug/Kg	10/17/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	7.9	1.1	ug/Kg	10/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	7.9	0.78	ug/Kg	10/17/14	JLI	SW8260
1,1-Dichloroethane	ND	7.9	1.6	ug/Kg	10/17/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloroethene	ND	7.9	1.7	ug/Kg	10/17/14	JLI	SW8260
1,1-Dichloropropene	ND	7.9	1.5	ug/Kg	10/17/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	7.9	1.6	ug/Kg	10/17/14	JLI	SW8260
1,2,3-Trichloropropane	ND	7.9	1.1	ug/Kg	10/17/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	7.9	1.6	ug/Kg	10/17/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	7.9	1.1	ug/Kg	10/17/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	7.9	2.1	ug/Kg	10/17/14	JLI	SW8260
1,2-Dibromoethane	ND	7.9	2.1	ug/Kg	10/17/14	JLI	SW8260
1,2-Dichlorobenzene	ND	7.9	0.87	ug/Kg	10/17/14	JLI	SW8260
1,2-Dichloroethane	ND	7.9	0.70	ug/Kg	10/17/14	JLI	SW8260
1,2-Dichloropropane	ND	7.9	1.1	ug/Kg	10/17/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	7.9	1.0	ug/Kg	10/17/14	JLI	SW8260
1,3-Dichlorobenzene	ND	7.9	1.2	ug/Kg	10/17/14	JLI	SW8260
1,3-Dichloropropane	ND	7.9	0.84	ug/Kg	10/17/14	JLI	SW8260
1,4-Dichlorobenzene	ND	7.9	1.3	ug/Kg	10/17/14	JLI	SW8260
2,2-Dichloropropane	ND	7.9	1.3	ug/Kg	10/17/14	JLI	SW8260
2-Chlorotoluene	ND	7.9	1.3	ug/Kg	10/17/14	JLI	SW8260
2-Hexanone	ND	40	3.6	ug/Kg	10/17/14	JLI	SW8260
2-Isopropyltoluene	ND	7.9	1.1	ug/Kg	10/17/14	JLI	SW8260
4-Chlorotoluene	ND	7.9	0.92	ug/Kg	10/17/14	JLI	SW8260
4-Methyl-2-pentanone	ND	40	1.9	ug/Kg	10/17/14	JLI	SW8260
Acetone	9.3	JS 50	7.9	ug/Kg	10/17/14	JLI	SW8260
Acrylonitrile	ND	16	4.4	ug/Kg	10/17/14	JLI	SW8260
Benzene	ND	7.9	1.6	ug/Kg	10/17/14	JLI	SW8260
Bromobenzene	ND	7.9	1.0	ug/Kg	10/17/14	JLI	SW8260
Bromochloromethane	ND	7.9	1.2	ug/Kg	10/17/14	JLI	SW8260
Bromodichloromethane	ND	7.9	0.98	ug/Kg	10/17/14	JLI	SW8260
Bromoform	ND	7.9	1.1	ug/Kg	10/17/14	JLI	SW8260
Bromomethane	ND	7.9	6.1	ug/Kg	10/17/14	JLI	SW8260
Carbon Disulfide	ND	7.9	1.3	ug/Kg	10/17/14	JLI	SW8260
Carbon tetrachloride	ND	7.9	0.92	ug/Kg	10/17/14	JLI	SW8260
Chlorobenzene	ND	7.9	1.2	ug/Kg	10/17/14	JLI	SW8260
Chloroethane	ND	7.9	1.9	ug/Kg	10/17/14	JLI	SW8260
Chloroform	ND	7.9	1.4	ug/Kg	10/17/14	JLI	SW8260
Chloromethane	ND	7.9	4.1	ug/Kg	10/17/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	7.9	1.7	ug/Kg	10/17/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	7.9	0.86	ug/Kg	10/17/14	JLI	SW8260
Dibromochloromethane	ND	7.9	0.89	ug/Kg	10/17/14	JLI	SW8260
Dibromomethane	ND	7.9	1.0	ug/Kg	10/17/14	JLI	SW8260
Dichlorodifluoromethane	ND	7.9	2.1	ug/Kg	10/17/14	JLI	SW8260
Ethylbenzene	ND	7.9	1.4	ug/Kg	10/17/14	JLI	SW8260
Hexachlorobutadiene	ND	7.9	1.7	ug/Kg	10/17/14	JLI	SW8260
Isopropylbenzene	ND	7.9	1.5	ug/Kg	10/17/14	JLI	SW8260
m&p-Xylene	ND	7.9	3.1	ug/Kg	10/17/14	JLI	SW8260
Methyl Ethyl Ketone	ND	48	6.9	ug/Kg	10/17/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	16	2.2	ug/Kg	10/17/14	JLI	SW8260
Methylene chloride	2.2	JS 7.9	1.3	ug/Kg	10/17/14	JLI	SW8260
Naphthalene	ND	7.9	2.1	ug/Kg	10/17/14	JLI	SW8260
n-Butylbenzene	ND	7.9	1.4	ug/Kg	10/17/14	JLI	SW8260

1

B*

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
n-Propylbenzene	ND	7.9	1.4	ug/Kg	10/17/14	JLI	SW8260
o-Xylene	ND	7.9	3.0	ug/Kg	10/17/14	JLI	SW8260
p-Isopropyltoluene	ND	7.9	1.1	ug/Kg	10/17/14	JLI	SW8260
sec-Butylbenzene	ND	7.9	1.5	ug/Kg	10/17/14	JLI	SW8260
Styrene	ND	7.9	2.3	ug/Kg	10/17/14	JLI	SW8260
tert-Butylbenzene	ND	7.9	1.3	ug/Kg	10/17/14	JLI	SW8260
Tetrachloroethene	ND	7.9	1.7	ug/Kg	10/17/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	16	7.1	ug/Kg	10/17/14	JLI	SW8260
Toluene	ND	7.9	1.3	ug/Kg	10/17/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	7.9	1.6	ug/Kg	10/17/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	7.9	1.6	ug/Kg	10/17/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	16	15	ug/Kg	10/17/14	JLI	SW8260
Trichloroethene	ND	7.9	1.7	ug/Kg	10/17/14	JLI	SW8260
Trichlorofluoromethane	ND	7.9	1.8	ug/Kg	10/17/14	JLI	SW8260
Trichlorotrifluoroethane	ND	7.9	1.2	ug/Kg	10/17/14	JLI	SW8260
Vinyl chloride	ND	7.9	2.6	ug/Kg	10/17/14	JLI	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100			%	10/17/14	JLI	70 - 121 %
% Bromofluorobenzene	102			%	10/17/14	JLI	59 - 113 %
% Dibromofluoromethane	102			%	10/17/14	JLI	70 - 130 %
% Toluene-d8	92			%	10/17/14	JLI	84 - 138 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
1,2-Dichlorobenzene	ND	240	97	ug/Kg	10/17/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
1,3-Dichlorobenzene	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
1,4-Dichlorobenzene	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	10/17/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
2,4-Dichlorophenol	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
2,4-Dimethylphenol	ND	240	85	ug/Kg	10/17/14	DD	SW 8270
2,4-Dinitrophenol	ND	1700	240	ug/Kg	10/17/14	DD	SW 8270
2,4-Dinitrotoluene	ND	240	140	ug/Kg	10/17/14	DD	SW 8270
2,6-Dinitrotoluene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
2-Chloronaphthalene	ND	240	98	ug/Kg	10/17/14	DD	SW 8270
2-Chlorophenol	ND	240	98	ug/Kg	10/17/14	DD	SW 8270
2-Methylnaphthalene	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	10/17/14	DD	SW 8270
2-Nitroaniline	ND	1700	350	ug/Kg	10/17/14	DD	SW 8270
2-Nitrophenol	ND	240	220	ug/Kg	10/17/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	10/17/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	690	160	ug/Kg	10/17/14	DD	SW 8270
3-Nitroaniline	ND	1700	750	ug/Kg	10/17/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1700	370	ug/Kg	10/17/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
4-Chloroaniline	ND	690	160	ug/Kg	10/17/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	10/17/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitroaniline	ND	1700	110	ug/Kg	10/17/14	DD	SW 8270
4-Nitrophenol	ND	1700	160	ug/Kg	10/17/14	DD	SW 8270
Acenaphthene	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
Acenaphthylene	ND	240	96	ug/Kg	10/17/14	DD	SW 8270
Acetophenone	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Aniline	ND	1700	690	ug/Kg	10/17/14	DD	SW 8270
Anthracene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Benz(a)anthracene	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
Benzidine	ND	690	200	ug/Kg	10/17/14	DD	SW 8270
Benzo(a)pyrene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Benzo(b)fluoranthene	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
Benzo(ghi)perylene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Benzo(k)fluoranthene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Benzoic acid	ND	1700	690	ug/Kg	10/17/14	DD	SW 8270
Benzyl butyl phthalate	ND	240	89	ug/Kg	10/17/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	240	95	ug/Kg	10/17/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	240	93	ug/Kg	10/17/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	240	96	ug/Kg	10/17/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	240	99	ug/Kg	10/17/14	DD	SW 8270
Carbazole	ND	1700	260	ug/Kg	10/17/14	DD	SW 8270
Chrysene	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Dibenzofuran	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
Diethyl phthalate	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Dimethylphthalate	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Di-n-butylphthalate	ND	240	91	ug/Kg	10/17/14	DD	SW 8270
Di-n-octylphthalate	ND	240	89	ug/Kg	10/17/14	DD	SW 8270
Fluoranthene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Fluorene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Hexachlorobenzene	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
Hexachlorobutadiene	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Hexachloroethane	ND	240	100	ug/Kg	10/17/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Isophorone	ND	240	96	ug/Kg	10/17/14	DD	SW 8270
Naphthalene	ND	240	99	ug/Kg	10/17/14	DD	SW 8270
Nitrobenzene	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
N-Nitrosodimethylamine	ND	240	97	ug/Kg	10/17/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	240	130	ug/Kg	10/17/14	DD	SW 8270
Pentachloronitrobenzene	ND	240	130	ug/Kg	10/17/14	DD	SW 8270
Pentachlorophenol	ND	240	130	ug/Kg	10/17/14	DD	SW 8270
Phenanthrene	ND	240	98	ug/Kg	10/17/14	DD	SW 8270
Phenol	ND	240	110	ug/Kg	10/17/14	DD	SW 8270
Pyrene	ND	240	120	ug/Kg	10/17/14	DD	SW 8270
Pyridine	ND	240	85	ug/Kg	10/17/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	81			%	10/17/14	DD	19 - 122 %
% 2-Fluorobiphenyl	82			%	10/17/14	DD	30 - 115 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorophenol	66			%	10/17/14	DD	25 - 121 %
% Nitrobenzene-d5	68			%	10/17/14	DD	23 - 120 %
% Phenol-d5	73			%	10/17/14	DD	24 - 113 %
% Terphenyl-d14	95			%	10/17/14	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 Quantitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

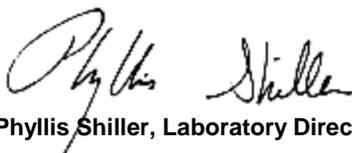
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are 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

October 23, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



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

Analysis Report

October 23, 2014

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

Sample Information

Matrix: SOLID
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by:
 Received by: SW
 Analyzed by: see "By" below

Date

10/13/14
 10/16/14

Time

11:00
 14:53

Laboratory Data

SDG ID: GBH28329
 Phoenix ID: BH28337

Project ID: 74 VERNON AVE BROOKLYN
 Client ID: SB5 0-2 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.32	0.32	0.32	mg/Kg	10/17/14	LK	SW6010
Aluminum	8130	32	6.3	mg/Kg	10/17/14	LK	SW6010
Arsenic	4.7	0.6	0.63	mg/Kg	10/17/14	LK	SW6010
Barium	60.5	0.6	0.32	mg/Kg	10/17/14	LK	SW6010
Beryllium	0.40	* 0.25	0.13	mg/Kg	10/17/14	LK	SW6010
Calcium	12800	32	29	mg/Kg	10/17/14	LK	SW6010
Cadmium	0.20	B 0.32	0.13	mg/Kg	10/17/14	LK	SW6010
Cobalt	6.29	0.32	0.32	mg/Kg	10/17/14	LK	SW6010
Chromium	19.5	0.32	0.32	mg/Kg	10/17/14	LK	SW6010
Copper	26.8	0.32	0.32	mg/kg	10/17/14	LK	SW6010
Iron	16700	32	32	mg/Kg	10/17/14	LK	SW6010
Mercury	0.16	0.06	0.04	mg/Kg	10/17/14	RS	SW-7471
Potassium	1240	N 6	2.5	mg/Kg	10/17/14	LK	SW6010
Magnesium	3160	3.2	3.2	mg/Kg	10/17/14	LK	SW6010
Manganese	262	N 3.2	3.2	mg/Kg	10/17/14	LK	SW6010
Sodium	351	N 6	2.7	mg/Kg	10/17/14	LK	SW6010
Nickel	17.3	0.32	0.32	mg/Kg	10/17/14	LK	SW6010
Lead	65.3	0.6	0.32	mg/Kg	10/17/14	LK	SW6010
Antimony	< 1.6	1.6	1.6	mg/Kg	10/17/14	LK	SW6010
Selenium	< 1.3	1.3	1.1	mg/Kg	10/17/14	LK	SW6010
Thallium	< 1.3	1.3	1.3	mg/Kg	10/17/14	LK	SW6010
Vanadium	23.2	0.3	0.32	mg/Kg	10/17/14	LK	SW6010
Zinc	62.7	0.6	0.32	mg/Kg	10/17/14	LK	SW6010
Percent Solid	94			%	10/16/14	I	E160.3
Soil Extraction for PCB	Completed				10/16/14	CC/H	SW3545
Soil Extraction for Pesticide	Completed				10/16/14	CC	SW3545
Soil Extraction for SVOA	Completed				10/16/14	CJ/VH	SW3545
Mercury Digestion	Completed				10/17/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				10/16/14	CB/AG	SW846 - 3050
Field Extraction	Completed				10/13/14		SW5035

Polychlorinated Biphenyls

PCB-1016	ND	35	35	ug/Kg	10/17/14	AW	SW 8082
PCB-1221	ND	35	35	ug/Kg	10/17/14	AW	SW 8082
PCB-1232	ND	35	35	ug/Kg	10/17/14	AW	SW 8082
PCB-1242	ND	35	35	ug/Kg	10/17/14	AW	SW 8082
PCB-1248	ND	35	35	ug/Kg	10/17/14	AW	SW 8082
PCB-1254	ND	35	35	ug/Kg	10/17/14	AW	SW 8082
PCB-1260	ND	35	35	ug/Kg	10/17/14	AW	SW 8082
PCB-1262	ND	35	35	ug/Kg	10/17/14	AW	SW 8082
PCB-1268	ND	35	35	ug/Kg	10/17/14	AW	SW 8082

QA/QC Surrogates

% DCBP	103			%	10/17/14	AW	30 - 150 %
% TCMX	84			%	10/17/14	AW	30 - 150 %

Pesticides - Soil

4,4' -DDD	17	2.1	2.1	ug/Kg	10/20/14	KCA	SW8081
4,4' -DDE	ND	2.1	2.1	ug/Kg	10/20/14	KCA	SW8081
4,4' -DDT	290	21	21	ug/Kg	10/20/14	KCA	SW8081
a-BHC	ND	6.9	6.9	ug/Kg	10/20/14	KCA	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	10/20/14	KCA	SW8081
Aldrin	ND	3.5	3.5	ug/Kg	10/20/14	KCA	SW8081
b-BHC	ND	6.9	6.9	ug/Kg	10/20/14	KCA	SW8081
Chlordane	ND	35	35	ug/Kg	10/20/14	KCA	SW8081
d-BHC	ND	6.9	6.9	ug/Kg	10/20/14	KCA	SW8081
Dieldrin	ND	3.5	3.5	ug/Kg	10/20/14	KCA	SW8081
Endosulfan I	ND	6.9	6.9	ug/Kg	10/20/14	KCA	SW8081
Endosulfan II	ND	6.9	6.9	ug/Kg	10/20/14	KCA	SW8081
Endosulfan sulfate	ND	6.9	6.9	ug/Kg	10/20/14	KCA	SW8081
Endrin	ND	6.9	6.9	ug/Kg	10/20/14	KCA	SW8081
Endrin aldehyde	ND	6.9	6.9	ug/Kg	10/20/14	KCA	SW8081
Endrin ketone	ND	6.9	6.9	ug/Kg	10/20/14	KCA	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	10/20/14	KCA	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	10/20/14	KCA	SW8081
Heptachlor	ND	6.9	6.9	ug/Kg	10/20/14	KCA	SW8081
Heptachlor epoxide	ND	6.9	6.9	ug/Kg	10/20/14	KCA	SW8081
Methoxychlor	ND	35	35	ug/Kg	10/20/14	KCA	SW8081
Toxaphene	ND	140	140	ug/Kg	10/20/14	KCA	SW8081

QA/QC Surrogates

% DCBP	90			%	10/20/14	KCA	30 - 150 %
% TCMX	94			%	10/20/14	KCA	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	7.9	1.3	ug/Kg	10/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	7.9	1.6	ug/Kg	10/17/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	7.9	1.1	ug/Kg	10/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	7.9	0.77	ug/Kg	10/17/14	JLI	SW8260
1,1-Dichloroethane	ND	7.9	1.6	ug/Kg	10/17/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloroethene	ND	7.9	1.7	ug/Kg	10/17/14	JLI	SW8260
1,1-Dichloropropene	ND	7.9	1.5	ug/Kg	10/17/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	7.9	1.6	ug/Kg	10/17/14	JLI	SW8260
1,2,3-Trichloropropane	ND	7.9	1.1	ug/Kg	10/17/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	7.9	1.6	ug/Kg	10/17/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	7.9	1.1	ug/Kg	10/17/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	7.9	2.1	ug/Kg	10/17/14	JLI	SW8260
1,2-Dibromoethane	ND	7.9	2.1	ug/Kg	10/17/14	JLI	SW8260
1,2-Dichlorobenzene	ND	7.9	0.87	ug/Kg	10/17/14	JLI	SW8260
1,2-Dichloroethane	ND	7.9	0.69	ug/Kg	10/17/14	JLI	SW8260
1,2-Dichloropropane	ND	7.9	1.1	ug/Kg	10/17/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	7.9	1.0	ug/Kg	10/17/14	JLI	SW8260
1,3-Dichlorobenzene	ND	7.9	1.2	ug/Kg	10/17/14	JLI	SW8260
1,3-Dichloropropane	ND	7.9	0.83	ug/Kg	10/17/14	JLI	SW8260
1,4-Dichlorobenzene	ND	7.9	1.2	ug/Kg	10/17/14	JLI	SW8260
2,2-Dichloropropane	ND	7.9	1.3	ug/Kg	10/17/14	JLI	SW8260
2-Chlorotoluene	ND	7.9	1.3	ug/Kg	10/17/14	JLI	SW8260
2-Hexanone	ND	39	3.5	ug/Kg	10/17/14	JLI	SW8260
2-Isopropyltoluene	ND	7.9	1.1	ug/Kg	10/17/14	JLI	SW8260
4-Chlorotoluene	ND	7.9	0.91	ug/Kg	10/17/14	JLI	SW8260
4-Methyl-2-pentanone	ND	39	1.9	ug/Kg	10/17/14	JLI	SW8260
Acetone	23	JS 50	7.8	ug/Kg	10/17/14	JLI	SW8260
Acrylonitrile	ND	16	4.4	ug/Kg	10/17/14	JLI	SW8260
Benzene	ND	7.9	1.6	ug/Kg	10/17/14	JLI	SW8260
Bromobenzene	ND	7.9	1.0	ug/Kg	10/17/14	JLI	SW8260
Bromochloromethane	ND	7.9	1.1	ug/Kg	10/17/14	JLI	SW8260
Bromodichloromethane	ND	7.9	0.98	ug/Kg	10/17/14	JLI	SW8260
Bromoform	ND	7.9	1.1	ug/Kg	10/17/14	JLI	SW8260
Bromomethane	ND	7.9	6.1	ug/Kg	10/17/14	JLI	SW8260
Carbon Disulfide	ND	7.9	1.3	ug/Kg	10/17/14	JLI	SW8260
Carbon tetrachloride	ND	7.9	0.91	ug/Kg	10/17/14	JLI	SW8260
Chlorobenzene	ND	7.9	1.2	ug/Kg	10/17/14	JLI	SW8260
Chloroethane	ND	7.9	1.8	ug/Kg	10/17/14	JLI	SW8260
Chloroform	ND	7.9	1.4	ug/Kg	10/17/14	JLI	SW8260
Chloromethane	ND	7.9	4.1	ug/Kg	10/17/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	7.9	1.7	ug/Kg	10/17/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	7.9	0.85	ug/Kg	10/17/14	JLI	SW8260
Dibromochloromethane	ND	7.9	0.88	ug/Kg	10/17/14	JLI	SW8260
Dibromomethane	ND	7.9	0.99	ug/Kg	10/17/14	JLI	SW8260
Dichlorodifluoromethane	ND	7.9	2.1	ug/Kg	10/17/14	JLI	SW8260
Ethylbenzene	ND	7.9	1.4	ug/Kg	10/17/14	JLI	SW8260
Hexachlorobutadiene	ND	7.9	1.7	ug/Kg	10/17/14	JLI	SW8260
Isopropylbenzene	ND	7.9	1.5	ug/Kg	10/17/14	JLI	SW8260
m&p-Xylene	ND	7.9	3.1	ug/Kg	10/17/14	JLI	SW8260
Methyl Ethyl Ketone	ND	47	6.8	ug/Kg	10/17/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	16	2.2	ug/Kg	10/17/14	JLI	SW8260
Methylene chloride	1.8	JS 7.9	1.3	ug/Kg	10/17/14	JLI	SW8260
Naphthalene	2.7	J 7.9	2.1	ug/Kg	10/17/14	JLI	SW8260
n-Butylbenzene	ND	7.9	1.4	ug/Kg	10/17/14	JLI	SW8260

1

B*

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
n-Propylbenzene	ND	7.9	1.4	ug/Kg	10/17/14	JLI	SW8260
o-Xylene	ND	7.9	3.0	ug/Kg	10/17/14	JLI	SW8260
p-Isopropyltoluene	1.3	J 7.9	1.1	ug/Kg	10/17/14	JLI	SW8260
sec-Butylbenzene	ND	7.9	1.5	ug/Kg	10/17/14	JLI	SW8260
Styrene	ND	7.9	2.3	ug/Kg	10/17/14	JLI	SW8260
tert-Butylbenzene	ND	7.9	1.3	ug/Kg	10/17/14	JLI	SW8260
Tetrachloroethene	ND	7.9	1.7	ug/Kg	10/17/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	16	7.1	ug/Kg	10/17/14	JLI	SW8260
Toluene	ND	7.9	1.2	ug/Kg	10/17/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	7.9	1.6	ug/Kg	10/17/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	7.9	1.6	ug/Kg	10/17/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	16	15	ug/Kg	10/17/14	JLI	SW8260
Trichloroethene	ND	7.9	1.7	ug/Kg	10/17/14	JLI	SW8260
Trichlorofluoromethane	ND	7.9	1.7	ug/Kg	10/17/14	JLI	SW8260
Trichlorotrifluoroethane	ND	7.9	1.2	ug/Kg	10/17/14	JLI	SW8260
Vinyl chloride	ND	7.9	2.6	ug/Kg	10/17/14	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98			%	10/17/14	JLI	70 - 121 %
% Bromofluorobenzene	94			%	10/17/14	JLI	59 - 113 %
% Dibromofluoromethane	104			%	10/17/14	JLI	70 - 130 %
% Toluene-d8	93			%	10/17/14	JLI	84 - 138 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	2500	1200	ug/Kg	10/19/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	2500	1100	ug/Kg	10/19/14	DD	SW 8270
1,2-Dichlorobenzene	ND	2500	990	ug/Kg	10/19/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	2500	1100	ug/Kg	10/19/14	DD	SW 8270
1,3-Dichlorobenzene	ND	2500	1000	ug/Kg	10/19/14	DD	SW 8270
1,4-Dichlorobenzene	ND	2500	1000	ug/Kg	10/19/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	2500	1900	ug/Kg	10/19/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	2500	1100	ug/Kg	10/19/14	DD	SW 8270
2,4-Dichlorophenol	ND	2500	1200	ug/Kg	10/19/14	DD	SW 8270
2,4-Dimethylphenol	ND	2500	870	ug/Kg	10/19/14	DD	SW 8270
2,4-Dinitrophenol	ND	18000	2500	ug/Kg	10/19/14	DD	SW 8270
2,4-Dinitrotoluene	ND	2500	1400	ug/Kg	10/19/14	DD	SW 8270
2,6-Dinitrotoluene	ND	2500	1100	ug/Kg	10/19/14	DD	SW 8270
2-Chloronaphthalene	ND	2500	1000	ug/Kg	10/19/14	DD	SW 8270
2-Chlorophenol	ND	2500	1000	ug/Kg	10/19/14	DD	SW 8270
2-Methylnaphthalene	ND	2500	1000	ug/Kg	10/19/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	2500	1700	ug/Kg	10/19/14	DD	SW 8270
2-Nitroaniline	ND	18000	3600	ug/Kg	10/19/14	DD	SW 8270
2-Nitrophenol	ND	2500	2200	ug/Kg	10/19/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	2500	1400	ug/Kg	10/19/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	7000	1700	ug/Kg	10/19/14	DD	SW 8270
3-Nitroaniline	ND	18000	7700	ug/Kg	10/19/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	18000	3800	ug/Kg	10/19/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	2500	1000	ug/Kg	10/19/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	2500	1200	ug/Kg	10/19/14	DD	SW 8270
4-Chloroaniline	ND	7000	1600	ug/Kg	10/19/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	2500	1200	ug/Kg	10/19/14	DD	SW 8270

Client ID: SB5 0-2 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitroaniline	ND	18000	1200	ug/Kg	10/19/14	DD	SW 8270
4-Nitrophenol	ND	18000	1600	ug/Kg	10/19/14	DD	SW 8270
Acenaphthene	ND	2500	1100	ug/Kg	10/19/14	DD	SW 8270
Acenaphthylene	ND	2500	990	ug/Kg	10/19/14	DD	SW 8270
Acetophenone	ND	2500	1100	ug/Kg	10/19/14	DD	SW 8270
Aniline	ND	18000	7100	ug/Kg	10/19/14	DD	SW 8270
Anthracene	ND	2500	1200	ug/Kg	10/19/14	DD	SW 8270
Benz(a)anthracene	1800	J 2500	1200	ug/Kg	10/19/14	DD	SW 8270
Benzidine	ND	7000	2100	ug/Kg	10/19/14	DD	SW 8270
Benzo(a)pyrene	ND	2500	1100	ug/Kg	10/19/14	DD	SW 8270
Benzo(b)fluoranthene	1300	J 2500	1200	ug/Kg	10/19/14	DD	SW 8270
Benzo(ghi)perylene	ND	2500	1100	ug/Kg	10/19/14	DD	SW 8270
Benzo(k)fluoranthene	ND	2500	1200	ug/Kg	10/19/14	DD	SW 8270
Benzoic acid	ND	18000	7000	ug/Kg	10/19/14	DD	SW 8270
Benzyl butyl phthalate	74000	12000	4500	ug/Kg	10/20/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	2500	970	ug/Kg	10/19/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	2500	950	ug/Kg	10/19/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	2500	980	ug/Kg	10/19/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	7900	2500	1000	ug/Kg	10/19/14	DD	SW 8270
Carbazole	ND	18000	2700	ug/Kg	10/19/14	DD	SW 8270
Chrysene	2200	J 2500	1200	ug/Kg	10/19/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	2500	1100	ug/Kg	10/19/14	DD	SW 8270
Dibenzofuran	ND	2500	1000	ug/Kg	10/19/14	DD	SW 8270
Diethyl phthalate	ND	2500	1100	ug/Kg	10/19/14	DD	SW 8270
Dimethylphthalate	ND	2500	1100	ug/Kg	10/19/14	DD	SW 8270
Di-n-butylphthalate	ND	2500	940	ug/Kg	10/19/14	DD	SW 8270
Di-n-octylphthalate	ND	2500	910	ug/Kg	10/19/14	DD	SW 8270
Fluoranthene	2800	2500	1100	ug/Kg	10/19/14	DD	SW 8270
Fluorene	ND	2500	1200	ug/Kg	10/19/14	DD	SW 8270
Hexachlorobenzene	ND	2500	1000	ug/Kg	10/19/14	DD	SW 8270
Hexachlorobutadiene	ND	2500	1300	ug/Kg	10/19/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	2500	1100	ug/Kg	10/19/14	DD	SW 8270
Hexachloroethane	ND	2500	1100	ug/Kg	10/19/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	2500	1200	ug/Kg	10/19/14	DD	SW 8270
Isophorone	ND	2500	990	ug/Kg	10/19/14	DD	SW 8270
Naphthalene	ND	2500	1000	ug/Kg	10/19/14	DD	SW 8270
Nitrobenzene	ND	2500	1200	ug/Kg	10/19/14	DD	SW 8270
N-Nitrosodimethylamine	ND	2500	990	ug/Kg	10/19/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	2500	1100	ug/Kg	10/19/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	2500	1400	ug/Kg	10/19/14	DD	SW 8270
Pentachloronitrobenzene	ND	2500	1300	ug/Kg	10/19/14	DD	SW 8270
Pentachlorophenol	ND	2500	1300	ug/Kg	10/19/14	DD	SW 8270
Phenanthrene	4200	2500	1000	ug/Kg	10/19/14	DD	SW 8270
Phenol	ND	2500	1100	ug/Kg	10/19/14	DD	SW 8270
Pyrene	3400	2500	1200	ug/Kg	10/19/14	DD	SW 8270
Pyridine	ND	2500	870	ug/Kg	10/19/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	Diluted Out			%	10/19/14	DD	19 - 122 %
% 2-Fluorobiphenyl	Diluted Out			%	10/19/14	DD	30 - 115 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorophenol	Diluted Out			%	10/19/14	DD	25 - 121 %
% Nitrobenzene-d5	Diluted Out			%	10/19/14	DD	23 - 120 %
% Phenol-d5	Diluted Out			%	10/19/14	DD	24 - 113 %
% Terphenyl-d14	Diluted Out			%	10/19/14	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 Quantitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL 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 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

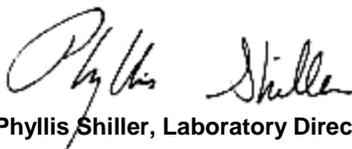
Semi-Volatile Comment:

Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

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

October 23, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



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

Analysis Report
 October 23, 2014

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

Sample Information

Matrix: SOLID
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by:
 Received by: SW
 Analyzed by: see "By" below

Date

10/13/14
 10/16/14

Time

11:30
 14:53

Laboratory Data

SDG ID: GBH28329
 Phoenix ID: BH28338

Project ID: 74 VERNON AVE BROOKLYN
 Client ID: SB5 11-13 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.35	0.35	0.35	mg/Kg	10/17/14	LK	SW6010
Aluminum	3810	35	7.1	mg/Kg	10/17/14	LK	SW6010
Arsenic	0.9	0.7	0.71	mg/Kg	10/17/14	LK	SW6010
Barium	21.4	0.7	0.35	mg/Kg	10/17/14	LK	SW6010
Beryllium	0.24	B* 0.28	0.14	mg/Kg	10/17/14	LK	SW6010
Calcium	1100	3.5	3.3	mg/Kg	10/17/14	LK	SW6010
Cadmium	< 0.35	0.35	0.14	mg/Kg	10/17/14	LK	SW6010
Cobalt	3.93	0.35	0.35	mg/Kg	10/17/14	LK	SW6010
Chromium	10.7	0.35	0.35	mg/Kg	10/17/14	LK	SW6010
Copper	11.0	0.35	0.35	mg/kg	10/17/14	LK	SW6010
Iron	9110	35	35	mg/Kg	10/17/14	LK	SW6010
Mercury	< 0.07	0.07	0.04	mg/Kg	10/17/14	RS	SW-7471
Potassium	621	N 7	2.8	mg/Kg	10/17/14	LK	SW6010
Magnesium	1370	3.5	3.5	mg/Kg	10/17/14	LK	SW6010
Manganese	209	N 3.5	3.5	mg/Kg	10/17/14	LK	SW6010
Sodium	111	N 7	3.0	mg/Kg	10/17/14	LK	SW6010
Nickel	8.24	0.35	0.35	mg/Kg	10/17/14	LK	SW6010
Lead	3.0	0.7	0.35	mg/Kg	10/17/14	LK	SW6010
Antimony	< 1.8	1.8	1.8	mg/Kg	10/17/14	LK	SW6010
Selenium	< 1.4	1.4	1.2	mg/Kg	10/17/14	LK	SW6010
Thallium	< 1.4	1.4	1.4	mg/Kg	10/17/14	LK	SW6010
Vanadium	17.6	0.4	0.35	mg/Kg	10/17/14	LK	SW6010
Zinc	14.0	0.7	0.35	mg/Kg	10/17/14	LK	SW6010
Percent Solid	93			%	10/16/14	I	E160.3
Soil Extraction for PCB	Completed				10/16/14	CC/H	SW3545
Soil Extraction for Pesticide	Completed				10/16/14	CC	SW3545
Soil Extraction for SVOA	Completed				10/16/14	CJ/VH	SW3545
Mercury Digestion	Completed				10/17/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				10/16/14	CB/AG	SW846 - 3050
Field Extraction	Completed				10/13/14		SW5035

Polychlorinated Biphenyls

PCB-1016	ND	36	36	ug/Kg	10/17/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	10/17/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	10/17/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	10/17/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	10/17/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	10/17/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	10/17/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	10/17/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	10/17/14	AW	SW 8082

QA/QC Surrogates

% DCBP	102			%	10/17/14	AW	30 - 150 %
% TCMX	87			%	10/17/14	AW	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	10/18/14	KCA	SW8081
4,4' -DDE	ND	2.1	2.1	ug/Kg	10/18/14	KCA	SW8081
4,4' -DDT	ND	2.1	2.1	ug/Kg	10/18/14	KCA	SW8081
a-BHC	ND	7.1	7.1	ug/Kg	10/18/14	KCA	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	10/18/14	KCA	SW8081
Aldrin	ND	3.6	3.6	ug/Kg	10/18/14	KCA	SW8081
b-BHC	ND	7.1	7.1	ug/Kg	10/18/14	KCA	SW8081
Chlordane	ND	36	36	ug/Kg	10/18/14	KCA	SW8081
d-BHC	ND	7.1	7.1	ug/Kg	10/18/14	KCA	SW8081
Dieldrin	ND	3.6	3.6	ug/Kg	10/18/14	KCA	SW8081
Endosulfan I	ND	7.1	7.1	ug/Kg	10/18/14	KCA	SW8081
Endosulfan II	ND	7.1	7.1	ug/Kg	10/18/14	KCA	SW8081
Endosulfan sulfate	ND	7.1	7.1	ug/Kg	10/18/14	KCA	SW8081
Endrin	ND	7.1	7.1	ug/Kg	10/18/14	KCA	SW8081
Endrin aldehyde	ND	7.1	7.1	ug/Kg	10/18/14	KCA	SW8081
Endrin ketone	ND	7.1	7.1	ug/Kg	10/18/14	KCA	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	10/18/14	KCA	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	10/18/14	KCA	SW8081
Heptachlor	ND	7.1	7.1	ug/Kg	10/18/14	KCA	SW8081
Heptachlor epoxide	ND	7.1	7.1	ug/Kg	10/18/14	KCA	SW8081
Methoxychlor	ND	36	36	ug/Kg	10/18/14	KCA	SW8081
Toxaphene	ND	140	140	ug/Kg	10/18/14	KCA	SW8081

QA/QC Surrogates

% DCBP	94			%	10/18/14	KCA	30 - 150 %
% TCMX	89			%	10/18/14	KCA	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	7.3	1.2	ug/Kg	10/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	7.3	1.5	ug/Kg	10/17/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	7.3	1.0	ug/Kg	10/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	7.3	0.72	ug/Kg	10/17/14	JLI	SW8260
1,1-Dichloroethane	ND	7.3	1.4	ug/Kg	10/17/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloroethene	ND	7.3	1.6	ug/Kg	10/17/14	JLI	SW8260
1,1-Dichloropropene	ND	7.3	1.4	ug/Kg	10/17/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	7.3	1.5	ug/Kg	10/17/14	JLI	SW8260
1,2,3-Trichloropropane	ND	7.3	1.0	ug/Kg	10/17/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	7.3	1.5	ug/Kg	10/17/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	7.3	1.1	ug/Kg	10/17/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	7.3	2.0	ug/Kg	10/17/14	JLI	SW8260
1,2-Dibromoethane	ND	7.3	1.9	ug/Kg	10/17/14	JLI	SW8260
1,2-Dichlorobenzene	ND	7.3	0.80	ug/Kg	10/17/14	JLI	SW8260
1,2-Dichloroethane	ND	7.3	0.64	ug/Kg	10/17/14	JLI	SW8260
1,2-Dichloropropane	ND	7.3	1.0	ug/Kg	10/17/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	7.3	0.97	ug/Kg	10/17/14	JLI	SW8260
1,3-Dichlorobenzene	ND	7.3	1.1	ug/Kg	10/17/14	JLI	SW8260
1,3-Dichloropropane	ND	7.3	0.78	ug/Kg	10/17/14	JLI	SW8260
1,4-Dichlorobenzene	ND	7.3	1.2	ug/Kg	10/17/14	JLI	SW8260
2,2-Dichloropropane	ND	7.3	1.2	ug/Kg	10/17/14	JLI	SW8260
2-Chlorotoluene	ND	7.3	1.2	ug/Kg	10/17/14	JLI	SW8260
2-Hexanone	ND	37	3.3	ug/Kg	10/17/14	JLI	SW8260
2-Isopropyltoluene	ND	7.3	1.0	ug/Kg	10/17/14	JLI	SW8260
4-Chlorotoluene	ND	7.3	0.85	ug/Kg	10/17/14	JLI	SW8260
4-Methyl-2-pentanone	ND	37	1.7	ug/Kg	10/17/14	JLI	SW8260
Acetone	10	JS 50	7.3	ug/Kg	10/17/14	JLI	SW8260
Acrylonitrile	ND	15	4.1	ug/Kg	10/17/14	JLI	SW8260
Benzene	ND	7.3	1.4	ug/Kg	10/17/14	JLI	SW8260
Bromobenzene	ND	7.3	0.95	ug/Kg	10/17/14	JLI	SW8260
Bromochloromethane	ND	7.3	1.1	ug/Kg	10/17/14	JLI	SW8260
Bromodichloromethane	ND	7.3	0.91	ug/Kg	10/17/14	JLI	SW8260
Bromoform	ND	7.3	1.0	ug/Kg	10/17/14	JLI	SW8260
Bromomethane	ND	7.3	5.6	ug/Kg	10/17/14	JLI	SW8260
Carbon Disulfide	ND	7.3	1.2	ug/Kg	10/17/14	JLI	SW8260
Carbon tetrachloride	ND	7.3	0.85	ug/Kg	10/17/14	JLI	SW8260
Chlorobenzene	ND	7.3	1.1	ug/Kg	10/17/14	JLI	SW8260
Chloroethane	ND	7.3	1.7	ug/Kg	10/17/14	JLI	SW8260
Chloroform	ND	7.3	1.3	ug/Kg	10/17/14	JLI	SW8260
Chloromethane	ND	7.3	3.8	ug/Kg	10/17/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	7.3	1.6	ug/Kg	10/17/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	7.3	0.79	ug/Kg	10/17/14	JLI	SW8260
Dibromochloromethane	ND	7.3	0.82	ug/Kg	10/17/14	JLI	SW8260
Dibromomethane	ND	7.3	0.92	ug/Kg	10/17/14	JLI	SW8260
Dichlorodifluoromethane	ND	7.3	1.9	ug/Kg	10/17/14	JLI	SW8260
Ethylbenzene	ND	7.3	1.3	ug/Kg	10/17/14	JLI	SW8260
Hexachlorobutadiene	ND	7.3	1.5	ug/Kg	10/17/14	JLI	SW8260
Isopropylbenzene	ND	7.3	1.4	ug/Kg	10/17/14	JLI	SW8260
m&p-Xylene	ND	7.3	2.9	ug/Kg	10/17/14	JLI	SW8260
Methyl Ethyl Ketone	ND	44	6.3	ug/Kg	10/17/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	15	2.0	ug/Kg	10/17/14	JLI	SW8260
Methylene chloride	ND	7.3	1.2	ug/Kg	10/17/14	JLI	SW8260
Naphthalene	ND	7.3	2.0	ug/Kg	10/17/14	JLI	SW8260
n-Butylbenzene	ND	7.3	1.3	ug/Kg	10/17/14	JLI	SW8260

1

B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
n-Propylbenzene	ND	7.3	1.3	ug/Kg	10/17/14	JLI	SW8260
o-Xylene	ND	7.3	2.8	ug/Kg	10/17/14	JLI	SW8260
p-Isopropyltoluene	ND	7.3	1.1	ug/Kg	10/17/14	JLI	SW8260
sec-Butylbenzene	ND	7.3	1.4	ug/Kg	10/17/14	JLI	SW8260
Styrene	ND	7.3	2.1	ug/Kg	10/17/14	JLI	SW8260
tert-Butylbenzene	ND	7.3	1.2	ug/Kg	10/17/14	JLI	SW8260
Tetrachloroethene	ND	7.3	1.5	ug/Kg	10/17/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	15	6.6	ug/Kg	10/17/14	JLI	SW8260
Toluene	ND	7.3	1.2	ug/Kg	10/17/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	7.3	1.5	ug/Kg	10/17/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	7.3	1.5	ug/Kg	10/17/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	15	14	ug/Kg	10/17/14	JLI	SW8260
Trichloroethene	ND	7.3	1.6	ug/Kg	10/17/14	JLI	SW8260
Trichlorofluoromethane	ND	7.3	1.6	ug/Kg	10/17/14	JLI	SW8260
Trichlorotrifluoroethane	ND	7.3	1.1	ug/Kg	10/17/14	JLI	SW8260
Vinyl chloride	ND	7.3	2.4	ug/Kg	10/17/14	JLI	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99			%	10/17/14	JLI	70 - 121 %
% Bromofluorobenzene	102			%	10/17/14	JLI	59 - 113 %
% Dibromofluoromethane	103			%	10/17/14	JLI	70 - 130 %
% Toluene-d8	94			%	10/17/14	JLI	84 - 138 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	10/17/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
1,2-Dichlorobenzene	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
1,3-Dichlorobenzene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
1,4-Dichlorobenzene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	10/17/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
2,4-Dichlorophenol	ND	250	130	ug/Kg	10/17/14	DD	SW 8270
2,4-Dimethylphenol	ND	250	88	ug/Kg	10/17/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	250	ug/Kg	10/17/14	DD	SW 8270
2,4-Dinitrotoluene	ND	250	140	ug/Kg	10/17/14	DD	SW 8270
2,6-Dinitrotoluene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
2-Chlorophenol	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
2-Methylnaphthalene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	10/17/14	DD	SW 8270
2-Nitroaniline	ND	1800	360	ug/Kg	10/17/14	DD	SW 8270
2-Nitrophenol	ND	250	230	ug/Kg	10/17/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	10/17/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	710	170	ug/Kg	10/17/14	DD	SW 8270
3-Nitroaniline	ND	1800	770	ug/Kg	10/17/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	380	ug/Kg	10/17/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	10/17/14	DD	SW 8270
4-Chloroaniline	ND	710	170	ug/Kg	10/17/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	10/17/14	DD	SW 8270

Client ID: SB5 11-13 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitroaniline	ND	1800	120	ug/Kg	10/17/14	DD	SW 8270
4-Nitrophenol	ND	1800	160	ug/Kg	10/17/14	DD	SW 8270
Acenaphthene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Acenaphthylene	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
Acetophenone	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Aniline	ND	1800	720	ug/Kg	10/17/14	DD	SW 8270
Anthracene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Benz(a)anthracene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Benzidine	ND	710	210	ug/Kg	10/17/14	DD	SW 8270
Benzo(a)pyrene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Benzo(b)fluoranthene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Benzo(ghi)perylene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Benzo(k)fluoranthene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Benzoic acid	ND	1800	710	ug/Kg	10/17/14	DD	SW 8270
Benzyl butyl phthalate	ND	250	92	ug/Kg	10/17/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	98	ug/Kg	10/17/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	250	96	ug/Kg	10/17/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	99	ug/Kg	10/17/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
Carbazole	ND	1800	270	ug/Kg	10/17/14	DD	SW 8270
Chrysene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Dibenzofuran	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
Diethyl phthalate	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Dimethylphthalate	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Di-n-butylphthalate	ND	250	95	ug/Kg	10/17/14	DD	SW 8270
Di-n-octylphthalate	ND	250	92	ug/Kg	10/17/14	DD	SW 8270
Fluoranthene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Fluorene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Hexachlorobenzene	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
Hexachlorobutadiene	ND	250	130	ug/Kg	10/17/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Hexachloroethane	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Isophorone	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
Naphthalene	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
Nitrobenzene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
N-Nitrosodimethylamine	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	10/17/14	DD	SW 8270
Pentachloronitrobenzene	ND	250	130	ug/Kg	10/17/14	DD	SW 8270
Pentachlorophenol	ND	250	130	ug/Kg	10/17/14	DD	SW 8270
Phenanthrene	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
Phenol	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Pyrene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Pyridine	ND	250	87	ug/Kg	10/17/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	79			%	10/17/14	DD	19 - 122 %
% 2-Fluorobiphenyl	64			%	10/17/14	DD	30 - 115 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorophenol	47			%	10/17/14	DD	25 - 121 %
% Nitrobenzene-d5	49			%	10/17/14	DD	23 - 120 %
% Phenol-d5	54			%	10/17/14	DD	24 - 113 %
% Terphenyl-d14	98			%	10/17/14	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, no bias suspected.

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

Comments:

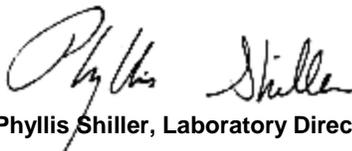
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are 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

October 23, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



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

Analysis Report

October 23, 2014

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

Sample Information

Matrix: SOLID
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by:
 Received by: SW
 Analyzed by: see "By" below

Date

10/13/14
 10/16/14

Time

12:00
 14:53

Laboratory Data

SDG ID: GBH28329
 Phoenix ID: BH28339

Project ID: 74 VERNON AVE BROOKLYN
 Client ID: SB6 0-2 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.37	0.37	0.37	mg/Kg	10/17/14	LK	SW6010
Aluminum	7020	37	7.3	mg/Kg	10/17/14	LK	SW6010
Arsenic	2.3	0.7	0.73	mg/Kg	10/17/14	LK	SW6010
Barium	44.0	0.7	0.37	mg/Kg	10/17/14	LK	SW6010
Beryllium	0.38	* 0.29	0.15	mg/Kg	10/17/14	LK	SW6010
Calcium	8690	3.7	3.4	mg/Kg	10/17/14	LK	SW6010
Cadmium	< 0.37	0.37	0.15	mg/Kg	10/17/14	LK	SW6010
Cobalt	5.87	0.37	0.37	mg/Kg	10/17/14	LK	SW6010
Chromium	17.4	0.37	0.37	mg/Kg	10/17/14	LK	SW6010
Copper	12.4	0.37	0.37	mg/kg	10/17/14	LK	SW6010
Iron	14500	37	37	mg/Kg	10/17/14	LK	SW6010
Mercury	< 0.07	0.07	0.04	mg/Kg	10/17/14	RS	SW-7471
Potassium	1180	N 7	2.9	mg/Kg	10/17/14	LK	SW6010
Magnesium	2210	3.7	3.7	mg/Kg	10/17/14	LK	SW6010
Manganese	307	N 3.7	3.7	mg/Kg	10/17/14	LK	SW6010
Sodium	217	N 7	3.2	mg/Kg	10/17/14	LK	SW6010
Nickel	17.2	0.37	0.37	mg/Kg	10/17/14	LK	SW6010
Lead	16.6	0.7	0.37	mg/Kg	10/17/14	LK	SW6010
Antimony	< 1.8	1.8	1.8	mg/Kg	10/17/14	LK	SW6010
Selenium	< 1.5	1.5	1.2	mg/Kg	10/17/14	LK	SW6010
Thallium	< 1.5	1.5	1.5	mg/Kg	10/17/14	LK	SW6010
Vanadium	22.2	0.4	0.37	mg/Kg	10/17/14	LK	SW6010
Zinc	24.6	0.7	0.37	mg/Kg	10/17/14	LK	SW6010
Percent Solid	92			%	10/16/14	I	E160.3
Soil Extraction for PCB	Completed				10/16/14	BC/H	SW3545
Soil Extraction for Pesticide	Completed				10/16/14	BC	SW3545
Soil Extraction for SVOA	Completed				10/16/14	CJ/VH	SW3545
Mercury Digestion	Completed				10/17/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				10/16/14	CB/AG	SW846 - 3050
Field Extraction	Completed				10/13/14		SW5035

Polychlorinated Biphenyls

PCB-1016	ND	35	35	ug/Kg	10/17/14	AW	SW 8082
PCB-1221	ND	35	35	ug/Kg	10/17/14	AW	SW 8082
PCB-1232	ND	35	35	ug/Kg	10/17/14	AW	SW 8082
PCB-1242	ND	35	35	ug/Kg	10/17/14	AW	SW 8082
PCB-1248	ND	35	35	ug/Kg	10/17/14	AW	SW 8082
PCB-1254	ND	35	35	ug/Kg	10/17/14	AW	SW 8082
PCB-1260	ND	35	35	ug/Kg	10/17/14	AW	SW 8082
PCB-1262	ND	35	35	ug/Kg	10/17/14	AW	SW 8082
PCB-1268	ND	35	35	ug/Kg	10/17/14	AW	SW 8082

QA/QC Surrogates

% DCBP	89			%	10/17/14	AW	30 - 150 %
% TCMX	87			%	10/17/14	AW	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	10/20/14	KCA	SW8081
4,4' -DDE	ND	2.1	2.1	ug/Kg	10/20/14	KCA	SW8081
4,4' -DDT	4.5	2.1	2.1	ug/Kg	10/20/14	KCA	SW8081
a-BHC	ND	7.0	7.0	ug/Kg	10/20/14	KCA	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	10/20/14	KCA	SW8081
Aldrin	ND	3.5	3.5	ug/Kg	10/20/14	KCA	SW8081
b-BHC	ND	7.0	7.0	ug/Kg	10/20/14	KCA	SW8081
Chlordane	ND	35	35	ug/Kg	10/20/14	KCA	SW8081
d-BHC	ND	7.0	7.0	ug/Kg	10/20/14	KCA	SW8081
Dieldrin	ND	3.5	3.5	ug/Kg	10/20/14	KCA	SW8081
Endosulfan I	ND	7.0	7.0	ug/Kg	10/20/14	KCA	SW8081
Endosulfan II	ND	7.0	7.0	ug/Kg	10/20/14	KCA	SW8081
Endosulfan sulfate	ND	7.0	7.0	ug/Kg	10/20/14	KCA	SW8081
Endrin	ND	7.0	7.0	ug/Kg	10/20/14	KCA	SW8081
Endrin aldehyde	ND	7.0	7.0	ug/Kg	10/20/14	KCA	SW8081
Endrin ketone	ND	7.0	7.0	ug/Kg	10/20/14	KCA	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	10/20/14	KCA	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	10/20/14	KCA	SW8081
Heptachlor	ND	7.0	7.0	ug/Kg	10/20/14	KCA	SW8081
Heptachlor epoxide	ND	7.0	7.0	ug/Kg	10/20/14	KCA	SW8081
Methoxychlor	ND	35	35	ug/Kg	10/20/14	KCA	SW8081
Toxaphene	ND	140	140	ug/Kg	10/20/14	KCA	SW8081

QA/QC Surrogates

% DCBP	97			%	10/20/14	KCA	30 - 150 %
% TCMX	88			%	10/20/14	KCA	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	6.3	1.0	ug/Kg	10/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	6.3	1.3	ug/Kg	10/17/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	6.3	0.90	ug/Kg	10/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	6.3	0.62	ug/Kg	10/17/14	JLI	SW8260
1,1-Dichloroethane	ND	6.3	1.2	ug/Kg	10/17/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloroethene	ND	6.3	1.4	ug/Kg	10/17/14	JLI	SW8260
1,1-Dichloropropene	ND	6.3	1.2	ug/Kg	10/17/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	6.3	1.3	ug/Kg	10/17/14	JLI	SW8260
1,2,3-Trichloropropane	ND	6.3	0.90	ug/Kg	10/17/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	6.3	1.3	ug/Kg	10/17/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	6.3	0.91	ug/Kg	10/17/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	6.3	1.7	ug/Kg	10/17/14	JLI	SW8260
1,2-Dibromoethane	ND	6.3	1.7	ug/Kg	10/17/14	JLI	SW8260
1,2-Dichlorobenzene	ND	6.3	0.69	ug/Kg	10/17/14	JLI	SW8260
1,2-Dichloroethane	ND	6.3	0.55	ug/Kg	10/17/14	JLI	SW8260
1,2-Dichloropropane	ND	6.3	0.90	ug/Kg	10/17/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	6.3	0.83	ug/Kg	10/17/14	JLI	SW8260
1,3-Dichlorobenzene	ND	6.3	0.93	ug/Kg	10/17/14	JLI	SW8260
1,3-Dichloropropane	ND	6.3	0.67	ug/Kg	10/17/14	JLI	SW8260
1,4-Dichlorobenzene	ND	6.3	1.0	ug/Kg	10/17/14	JLI	SW8260
2,2-Dichloropropane	ND	6.3	1.1	ug/Kg	10/17/14	JLI	SW8260
2-Chlorotoluene	ND	6.3	1.0	ug/Kg	10/17/14	JLI	SW8260
2-Hexanone	ND	32	2.8	ug/Kg	10/17/14	JLI	SW8260
2-Isopropyltoluene	ND	6.3	0.87	ug/Kg	10/17/14	JLI	SW8260
4-Chlorotoluene	ND	6.3	0.73	ug/Kg	10/17/14	JLI	SW8260
4-Methyl-2-pentanone	ND	32	1.5	ug/Kg	10/17/14	JLI	SW8260
Acetone	20	JS 50	6.3	ug/Kg	10/17/14	JLI	SW8260
Acrylonitrile	ND	13	3.5	ug/Kg	10/17/14	JLI	SW8260
Benzene	ND	6.3	1.2	ug/Kg	10/17/14	JLI	SW8260
Bromobenzene	ND	6.3	0.82	ug/Kg	10/17/14	JLI	SW8260
Bromochloromethane	ND	6.3	0.92	ug/Kg	10/17/14	JLI	SW8260
Bromodichloromethane	ND	6.3	0.78	ug/Kg	10/17/14	JLI	SW8260
Bromoform	ND	6.3	0.88	ug/Kg	10/17/14	JLI	SW8260
Bromomethane	ND	6.3	4.9	ug/Kg	10/17/14	JLI	SW8260
Carbon Disulfide	ND	6.3	1.0	ug/Kg	10/17/14	JLI	SW8260
Carbon tetrachloride	ND	6.3	0.73	ug/Kg	10/17/14	JLI	SW8260
Chlorobenzene	ND	6.3	0.93	ug/Kg	10/17/14	JLI	SW8260
Chloroethane	ND	6.3	1.5	ug/Kg	10/17/14	JLI	SW8260
Chloroform	ND	6.3	1.1	ug/Kg	10/17/14	JLI	SW8260
Chloromethane	ND	6.3	3.3	ug/Kg	10/17/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	6.3	1.4	ug/Kg	10/17/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	6.3	0.68	ug/Kg	10/17/14	JLI	SW8260
Dibromochloromethane	ND	6.3	0.71	ug/Kg	10/17/14	JLI	SW8260
Dibromomethane	ND	6.3	0.79	ug/Kg	10/17/14	JLI	SW8260
Dichlorodifluoromethane	ND	6.3	1.7	ug/Kg	10/17/14	JLI	SW8260
Ethylbenzene	ND	6.3	1.1	ug/Kg	10/17/14	JLI	SW8260
Hexachlorobutadiene	ND	6.3	1.3	ug/Kg	10/17/14	JLI	SW8260
Isopropylbenzene	ND	6.3	1.2	ug/Kg	10/17/14	JLI	SW8260
m&p-Xylene	ND	6.3	2.5	ug/Kg	10/17/14	JLI	SW8260
Methyl Ethyl Ketone	ND	38	5.5	ug/Kg	10/17/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	13	1.7	ug/Kg	10/17/14	JLI	SW8260
Methylene chloride	ND	6.3	1.0	ug/Kg	10/17/14	JLI	SW8260
Naphthalene	ND	6.3	1.7	ug/Kg	10/17/14	JLI	SW8260
n-Butylbenzene	ND	6.3	1.1	ug/Kg	10/17/14	JLI	SW8260

1

B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
n-Propylbenzene	ND	6.3	1.1	ug/Kg	10/17/14	JLI	SW8260
o-Xylene	ND	6.3	2.4	ug/Kg	10/17/14	JLI	SW8260
p-Isopropyltoluene	ND	6.3	0.91	ug/Kg	10/17/14	JLI	SW8260
sec-Butylbenzene	ND	6.3	1.2	ug/Kg	10/17/14	JLI	SW8260
Styrene	ND	6.3	1.8	ug/Kg	10/17/14	JLI	SW8260
tert-Butylbenzene	ND	6.3	1.0	ug/Kg	10/17/14	JLI	SW8260
Tetrachloroethene	ND	6.3	1.3	ug/Kg	10/17/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	13	5.7	ug/Kg	10/17/14	JLI	SW8260
Toluene	ND	6.3	1.0	ug/Kg	10/17/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	6.3	1.3	ug/Kg	10/17/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	6.3	1.3	ug/Kg	10/17/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	13	12	ug/Kg	10/17/14	JLI	SW8260
Trichloroethene	ND	6.3	1.3	ug/Kg	10/17/14	JLI	SW8260
Trichlorofluoromethane	ND	6.3	1.4	ug/Kg	10/17/14	JLI	SW8260
Trichlorotrifluoroethane	ND	6.3	0.98	ug/Kg	10/17/14	JLI	SW8260
Vinyl chloride	ND	6.3	2.0	ug/Kg	10/17/14	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97			%	10/17/14	JLI	70 - 121 %
% Bromofluorobenzene	101			%	10/17/14	JLI	59 - 113 %
% Dibromofluoromethane	97			%	10/17/14	JLI	70 - 130 %
% Toluene-d8	94			%	10/17/14	JLI	84 - 138 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	10/17/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
1,2-Dichlorobenzene	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
1,3-Dichlorobenzene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
1,4-Dichlorobenzene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	10/17/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
2,4-Dichlorophenol	ND	250	130	ug/Kg	10/17/14	DD	SW 8270
2,4-Dimethylphenol	ND	250	88	ug/Kg	10/17/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	250	ug/Kg	10/17/14	DD	SW 8270
2,4-Dinitrotoluene	ND	250	140	ug/Kg	10/17/14	DD	SW 8270
2,6-Dinitrotoluene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
2-Chlorophenol	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
2-Methylnaphthalene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	10/17/14	DD	SW 8270
2-Nitroaniline	ND	1800	360	ug/Kg	10/17/14	DD	SW 8270
2-Nitrophenol	ND	250	230	ug/Kg	10/17/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	10/17/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	710	170	ug/Kg	10/17/14	DD	SW 8270
3-Nitroaniline	ND	1800	780	ug/Kg	10/17/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	380	ug/Kg	10/17/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	10/17/14	DD	SW 8270
4-Chloroaniline	ND	710	170	ug/Kg	10/17/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	10/17/14	DD	SW 8270

Client ID: SB6 0-2 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitroaniline	ND	1800	120	ug/Kg	10/17/14	DD	SW 8270
4-Nitrophenol	ND	1800	160	ug/Kg	10/17/14	DD	SW 8270
Acenaphthene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Acenaphthylene	670	250	100	ug/Kg	10/17/14	DD	SW 8270
Acetophenone	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Aniline	ND	1800	720	ug/Kg	10/17/14	DD	SW 8270
Anthracene	790	250	120	ug/Kg	10/17/14	DD	SW 8270
Benz(a)anthracene	3500	250	120	ug/Kg	10/17/14	DD	SW 8270
Benzidine	ND	710	210	ug/Kg	10/17/14	DD	SW 8270
Benzo(a)pyrene	3500	250	120	ug/Kg	10/17/14	DD	SW 8270
Benzo(b)fluoranthene	4500	250	120	ug/Kg	10/17/14	DD	SW 8270
Benzo(ghi)perylene	3400	250	120	ug/Kg	10/17/14	DD	SW 8270
Benzo(k)fluoranthene	1600	250	120	ug/Kg	10/17/14	DD	SW 8270
Benzoic acid	ND	1800	710	ug/Kg	10/17/14	DD	SW 8270
Benzyl butyl phthalate	ND	250	92	ug/Kg	10/17/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	98	ug/Kg	10/17/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	250	96	ug/Kg	10/17/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	99	ug/Kg	10/17/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
Carbazole	ND	1800	270	ug/Kg	10/17/14	DD	SW 8270
Chrysene	3700	250	120	ug/Kg	10/17/14	DD	SW 8270
Dibenz(a,h)anthracene	200	J 250	120	ug/Kg	10/17/14	DD	SW 8270
Dibenzofuran	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
Diethyl phthalate	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Dimethylphthalate	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Di-n-butylphthalate	ND	250	95	ug/Kg	10/17/14	DD	SW 8270
Di-n-octylphthalate	ND	250	92	ug/Kg	10/17/14	DD	SW 8270
Fluoranthene	7100	500	230	ug/Kg	10/19/14	DD	SW 8270
Fluorene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Hexachlorobenzene	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
Hexachlorobutadiene	ND	250	130	ug/Kg	10/17/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Hexachloroethane	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	2700	250	120	ug/Kg	10/17/14	DD	SW 8270
Isophorone	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
Naphthalene	170	J 250	100	ug/Kg	10/17/14	DD	SW 8270
Nitrobenzene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
N-Nitrosodimethylamine	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	10/17/14	DD	SW 8270
Pentachloronitrobenzene	ND	250	130	ug/Kg	10/17/14	DD	SW 8270
Pentachlorophenol	ND	250	130	ug/Kg	10/17/14	DD	SW 8270
Phenanthrene	3600	250	100	ug/Kg	10/17/14	DD	SW 8270
Phenol	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Pyrene	6600	500	250	ug/Kg	10/19/14	DD	SW 8270
Pyridine	ND	250	88	ug/Kg	10/17/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	70			%	10/17/14	DD	19 - 122 %
% 2-Fluorobiphenyl	90			%	10/17/14	DD	30 - 115 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorophenol	67			%	10/17/14	DD	25 - 121 %
% Nitrobenzene-d5	73			%	10/17/14	DD	23 - 120 %
% Phenol-d5	78			%	10/17/14	DD	24 - 113 %
% Terphenyl-d14	92			%	10/17/14	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, no bias suspected.

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

Comments:

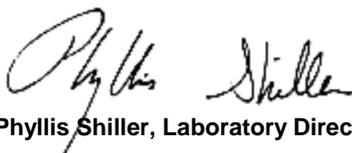
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are 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

October 23, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



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

Analysis Report

October 23, 2014

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

Sample Information

Matrix: SOLID
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by:
 Received by: SW
 Analyzed by: see "By" below

Date

10/13/14
 10/16/14

Time

12:30
 14:53

Laboratory Data

SDG ID: GBH28329
 Phoenix ID: BH28340

Project ID: 74 VERNON AVE BROOKLYN
 Client ID: SB7 0-2 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	0.36	mg/Kg	10/17/14	LK	SW6010
Aluminum	8310	36	7.2	mg/Kg	10/17/14	LK	SW6010
Arsenic	2.2	0.7	0.72	mg/Kg	10/17/14	LK	SW6010
Barium	50.6	0.7	0.36	mg/Kg	10/17/14	LK	SW6010
Beryllium	0.39	* 0.29	0.14	mg/Kg	10/17/14	LK	SW6010
Calcium	4650	3.6	3.3	mg/Kg	10/17/14	LK	SW6010
Cadmium	< 0.36	0.36	0.14	mg/Kg	10/17/14	LK	SW6010
Cobalt	7.95	0.36	0.36	mg/Kg	10/17/14	LK	SW6010
Chromium	19.7	0.36	0.36	mg/Kg	10/17/14	LK	SW6010
Copper	17.4	0.36	0.36	mg/kg	10/17/14	LK	SW6010
Iron	20100	36	36	mg/Kg	10/17/14	LK	SW6010
Mercury	< 0.06	0.06	0.04	mg/Kg	10/17/14	RS	SW-7471
Potassium	2970	N 7	2.8	mg/Kg	10/17/14	LK	SW6010
Magnesium	3830	3.6	3.6	mg/Kg	10/17/14	LK	SW6010
Manganese	355	N 3.6	3.6	mg/Kg	10/17/14	LK	SW6010
Sodium	374	N 7	3.1	mg/Kg	10/17/14	LK	SW6010
Nickel	15.7	0.36	0.36	mg/Kg	10/17/14	LK	SW6010
Lead	9.9	0.7	0.36	mg/Kg	10/17/14	LK	SW6010
Antimony	< 1.8	1.8	1.8	mg/Kg	10/17/14	LK	SW6010
Selenium	< 1.4	1.4	1.2	mg/Kg	10/17/14	LK	SW6010
Thallium	< 1.4	1.4	1.4	mg/Kg	10/17/14	LK	SW6010
Vanadium	33.9	0.4	0.36	mg/Kg	10/17/14	LK	SW6010
Zinc	28.5	0.7	0.36	mg/Kg	10/17/14	LK	SW6010
Percent Solid	93			%	10/16/14	I	E160.3
Soil Extraction for PCB	Completed				10/16/14	CC/H	SW3545
Soil Extraction for Pesticide	Completed				10/16/14	CC	SW3545
Soil Extraction for SVOA	Completed				10/16/14	CJ/VH	SW3545
Mercury Digestion	Completed				10/17/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				10/16/14	CB/AG	SW846 - 3050
Field Extraction	Completed				10/13/14		SW5035

Polychlorinated Biphenyls

PCB-1016	ND	35	35	ug/Kg	10/17/14	AW	SW 8082
PCB-1221	ND	35	35	ug/Kg	10/17/14	AW	SW 8082
PCB-1232	ND	35	35	ug/Kg	10/17/14	AW	SW 8082
PCB-1242	ND	35	35	ug/Kg	10/17/14	AW	SW 8082
PCB-1248	ND	35	35	ug/Kg	10/17/14	AW	SW 8082
PCB-1254	ND	35	35	ug/Kg	10/17/14	AW	SW 8082
PCB-1260	ND	35	35	ug/Kg	10/17/14	AW	SW 8082
PCB-1262	ND	35	35	ug/Kg	10/17/14	AW	SW 8082
PCB-1268	ND	35	35	ug/Kg	10/17/14	AW	SW 8082

QA/QC Surrogates

% DCBP	84			%	10/17/14	AW	30 - 150 %
% TCMX	90			%	10/17/14	AW	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	10/18/14	KCA	SW8081
4,4' -DDE	ND	2.1	2.1	ug/Kg	10/18/14	KCA	SW8081
4,4' -DDT	3.5	2.1	2.1	ug/Kg	10/18/14	KCA	SW8081
a-BHC	ND	7.1	7.1	ug/Kg	10/18/14	KCA	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	10/18/14	KCA	SW8081
Aldrin	ND	3.5	3.5	ug/Kg	10/18/14	KCA	SW8081
b-BHC	ND	7.1	7.1	ug/Kg	10/18/14	KCA	SW8081
Chlordane	ND	35	35	ug/Kg	10/18/14	KCA	SW8081
d-BHC	ND	7.1	7.1	ug/Kg	10/18/14	KCA	SW8081
Dieldrin	ND	3.5	3.5	ug/Kg	10/18/14	KCA	SW8081
Endosulfan I	ND	7.1	7.1	ug/Kg	10/18/14	KCA	SW8081
Endosulfan II	ND	7.1	7.1	ug/Kg	10/18/14	KCA	SW8081
Endosulfan sulfate	ND	7.1	7.1	ug/Kg	10/18/14	KCA	SW8081
Endrin	ND	7.1	7.1	ug/Kg	10/18/14	KCA	SW8081
Endrin aldehyde	ND	7.1	7.1	ug/Kg	10/18/14	KCA	SW8081
Endrin ketone	ND	7.1	7.1	ug/Kg	10/18/14	KCA	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	10/18/14	KCA	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	10/18/14	KCA	SW8081
Heptachlor	ND	7.1	7.1	ug/Kg	10/18/14	KCA	SW8081
Heptachlor epoxide	ND	7.1	7.1	ug/Kg	10/18/14	KCA	SW8081
Methoxychlor	ND	35	35	ug/Kg	10/18/14	KCA	SW8081
Toxaphene	ND	140	140	ug/Kg	10/18/14	KCA	SW8081

QA/QC Surrogates

% DCBP	85			%	10/18/14	KCA	30 - 150 %
% TCMX	89			%	10/18/14	KCA	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	8.8	1.4	ug/Kg	10/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	8.8	1.8	ug/Kg	10/17/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	8.8	1.3	ug/Kg	10/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	8.8	0.86	ug/Kg	10/17/14	JLI	SW8260
1,1-Dichloroethane	ND	8.8	1.7	ug/Kg	10/17/14	JLI	SW8260

Client ID: SB7 0-2 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloroethene	ND	8.8	1.9	ug/Kg	10/17/14	JLI	SW8260
1,1-Dichloropropene	ND	8.8	1.7	ug/Kg	10/17/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	8.8	1.8	ug/Kg	10/17/14	JLI	SW8260
1,2,3-Trichloropropane	ND	8.8	1.3	ug/Kg	10/17/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	8.8	1.8	ug/Kg	10/17/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	8.8	1.3	ug/Kg	10/17/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	8.8	2.4	ug/Kg	10/17/14	JLI	SW8260
1,2-Dibromoethane	ND	8.8	2.3	ug/Kg	10/17/14	JLI	SW8260
1,2-Dichlorobenzene	ND	8.8	0.97	ug/Kg	10/17/14	JLI	SW8260
1,2-Dichloroethane	ND	8.8	0.78	ug/Kg	10/17/14	JLI	SW8260
1,2-Dichloropropane	ND	8.8	1.3	ug/Kg	10/17/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	8.8	1.2	ug/Kg	10/17/14	JLI	SW8260
1,3-Dichlorobenzene	ND	8.8	1.3	ug/Kg	10/17/14	JLI	SW8260
1,3-Dichloropropane	ND	8.8	0.93	ug/Kg	10/17/14	JLI	SW8260
1,4-Dichlorobenzene	ND	8.8	1.4	ug/Kg	10/17/14	JLI	SW8260
2,2-Dichloropropane	ND	8.8	1.5	ug/Kg	10/17/14	JLI	SW8260
2-Chlorotoluene	ND	8.8	1.4	ug/Kg	10/17/14	JLI	SW8260
2-Hexanone	ND	44	4.0	ug/Kg	10/17/14	JLI	SW8260
2-Isopropyltoluene	ND	8.8	1.2	ug/Kg	10/17/14	JLI	SW8260
4-Chlorotoluene	ND	8.8	1.0	ug/Kg	10/17/14	JLI	SW8260
4-Methyl-2-pentanone	ND	44	2.1	ug/Kg	10/17/14	JLI	SW8260
Acetone	15	JS 50	8.8	ug/Kg	10/17/14	JLI	SW8260
Acrylonitrile	ND	18	5.0	ug/Kg	10/17/14	JLI	SW8260
Benzene	ND	8.8	1.7	ug/Kg	10/17/14	JLI	SW8260
Bromobenzene	ND	8.8	1.1	ug/Kg	10/17/14	JLI	SW8260
Bromochloromethane	ND	8.8	1.3	ug/Kg	10/17/14	JLI	SW8260
Bromodichloromethane	ND	8.8	1.1	ug/Kg	10/17/14	JLI	SW8260
Bromoform	ND	8.8	1.2	ug/Kg	10/17/14	JLI	SW8260
Bromomethane	ND	8.8	6.8	ug/Kg	10/17/14	JLI	SW8260
Carbon Disulfide	ND	8.8	1.4	ug/Kg	10/17/14	JLI	SW8260
Carbon tetrachloride	ND	8.8	1.0	ug/Kg	10/17/14	JLI	SW8260
Chlorobenzene	ND	8.8	1.3	ug/Kg	10/17/14	JLI	SW8260
Chloroethane	ND	8.8	2.1	ug/Kg	10/17/14	JLI	SW8260
Chloroform	ND	8.8	1.6	ug/Kg	10/17/14	JLI	SW8260
Chloromethane	ND	8.8	4.6	ug/Kg	10/17/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	8.8	1.9	ug/Kg	10/17/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	8.8	0.95	ug/Kg	10/17/14	JLI	SW8260
Dibromochloromethane	ND	8.8	0.99	ug/Kg	10/17/14	JLI	SW8260
Dibromomethane	ND	8.8	1.1	ug/Kg	10/17/14	JLI	SW8260
Dichlorodifluoromethane	ND	8.8	2.3	ug/Kg	10/17/14	JLI	SW8260
Ethylbenzene	ND	8.8	1.6	ug/Kg	10/17/14	JLI	SW8260
Hexachlorobutadiene	ND	8.8	1.9	ug/Kg	10/17/14	JLI	SW8260
Isopropylbenzene	ND	8.8	1.7	ug/Kg	10/17/14	JLI	SW8260
m&p-Xylene	ND	8.8	3.5	ug/Kg	10/17/14	JLI	SW8260
Methyl Ethyl Ketone	ND	53	7.7	ug/Kg	10/17/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	18	2.4	ug/Kg	10/17/14	JLI	SW8260
Methylene chloride	1.5	JS 8.8	1.4	ug/Kg	10/17/14	JLI	SW8260
Naphthalene	ND	8.8	2.4	ug/Kg	10/17/14	JLI	SW8260
n-Butylbenzene	ND	8.8	1.6	ug/Kg	10/17/14	JLI	SW8260

1

B*

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
n-Propylbenzene	ND	8.8	1.6	ug/Kg	10/17/14	JLI	SW8260
o-Xylene	ND	8.8	3.4	ug/Kg	10/17/14	JLI	SW8260
p-Isopropyltoluene	ND	8.8	1.3	ug/Kg	10/17/14	JLI	SW8260
sec-Butylbenzene	ND	8.8	1.7	ug/Kg	10/17/14	JLI	SW8260
Styrene	ND	8.8	2.5	ug/Kg	10/17/14	JLI	SW8260
tert-Butylbenzene	ND	8.8	1.4	ug/Kg	10/17/14	JLI	SW8260
Tetrachloroethene	ND	8.8	1.9	ug/Kg	10/17/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	18	7.9	ug/Kg	10/17/14	JLI	SW8260
Toluene	ND	8.8	1.4	ug/Kg	10/17/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	8.8	1.8	ug/Kg	10/17/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	8.8	1.8	ug/Kg	10/17/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	18	16	ug/Kg	10/17/14	JLI	SW8260
Trichloroethene	ND	8.8	1.9	ug/Kg	10/17/14	JLI	SW8260
Trichlorofluoromethane	ND	8.8	2.0	ug/Kg	10/17/14	JLI	SW8260
Trichlorotrifluoroethane	ND	8.8	1.4	ug/Kg	10/17/14	JLI	SW8260
Vinyl chloride	ND	8.8	2.9	ug/Kg	10/17/14	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98			%	10/17/14	JLI	70 - 121 %
% Bromofluorobenzene	98			%	10/17/14	JLI	59 - 113 %
% Dibromofluoromethane	101			%	10/17/14	JLI	70 - 130 %
% Toluene-d8	92			%	10/17/14	JLI	84 - 138 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
1,2-Dichlorobenzene	ND	250	99	ug/Kg	10/17/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
1,3-Dichlorobenzene	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
1,4-Dichlorobenzene	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	10/17/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
2,4-Dichlorophenol	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
2,4-Dimethylphenol	ND	250	87	ug/Kg	10/17/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	250	ug/Kg	10/17/14	DD	SW 8270
2,4-Dinitrotoluene	ND	250	140	ug/Kg	10/17/14	DD	SW 8270
2,6-Dinitrotoluene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
2-Chlorophenol	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
2-Methylnaphthalene	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	10/17/14	DD	SW 8270
2-Nitroaniline	ND	1800	350	ug/Kg	10/17/14	DD	SW 8270
2-Nitrophenol	ND	250	220	ug/Kg	10/17/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	10/17/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	700	170	ug/Kg	10/17/14	DD	SW 8270
3-Nitroaniline	ND	1800	760	ug/Kg	10/17/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	380	ug/Kg	10/17/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
4-Chloroaniline	ND	700	160	ug/Kg	10/17/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	10/17/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitroaniline	ND	1800	120	ug/Kg	10/17/14	DD	SW 8270
4-Nitrophenol	ND	1800	160	ug/Kg	10/17/14	DD	SW 8270
Acenaphthene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Acenaphthylene	ND	250	98	ug/Kg	10/17/14	DD	SW 8270
Acetophenone	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Aniline	ND	1800	710	ug/Kg	10/17/14	DD	SW 8270
Anthracene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Benz(a)anthracene	210	J 250	120	ug/Kg	10/17/14	DD	SW 8270
Benzidine	ND	700	210	ug/Kg	10/17/14	DD	SW 8270
Benzo(a)pyrene	180	J 250	110	ug/Kg	10/17/14	DD	SW 8270
Benzo(b)fluoranthene	220	J 250	120	ug/Kg	10/17/14	DD	SW 8270
Benzo(ghi)perylene	130	J 250	110	ug/Kg	10/17/14	DD	SW 8270
Benzo(k)fluoranthene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Benzoic acid	ND	1800	700	ug/Kg	10/17/14	DD	SW 8270
Benzyl butyl phthalate	ND	250	91	ug/Kg	10/17/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	97	ug/Kg	10/17/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	250	95	ug/Kg	10/17/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	98	ug/Kg	10/17/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
Carbazole	ND	1800	270	ug/Kg	10/17/14	DD	SW 8270
Chrysene	230	J 250	120	ug/Kg	10/17/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Dibenzofuran	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
Diethyl phthalate	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Dimethylphthalate	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Di-n-butylphthalate	ND	250	93	ug/Kg	10/17/14	DD	SW 8270
Di-n-octylphthalate	ND	250	91	ug/Kg	10/17/14	DD	SW 8270
Fluoranthene	520	250	110	ug/Kg	10/17/14	DD	SW 8270
Fluorene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Hexachlorobenzene	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
Hexachlorobutadiene	ND	250	130	ug/Kg	10/17/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Hexachloroethane	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
Isophorone	ND	250	98	ug/Kg	10/17/14	DD	SW 8270
Naphthalene	ND	250	100	ug/Kg	10/17/14	DD	SW 8270
Nitrobenzene	ND	250	120	ug/Kg	10/17/14	DD	SW 8270
N-Nitrosodimethylamine	ND	250	99	ug/Kg	10/17/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	250	130	ug/Kg	10/17/14	DD	SW 8270
Pentachloronitrobenzene	ND	250	130	ug/Kg	10/17/14	DD	SW 8270
Pentachlorophenol	ND	250	130	ug/Kg	10/17/14	DD	SW 8270
Phenanthrene	430	250	100	ug/Kg	10/17/14	DD	SW 8270
Phenol	ND	250	110	ug/Kg	10/17/14	DD	SW 8270
Pyrene	490	250	120	ug/Kg	10/17/14	DD	SW 8270
Pyridine	ND	250	86	ug/Kg	10/17/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	84			%	10/17/14	DD	19 - 122 %
% 2-Fluorobiphenyl	83			%	10/17/14	DD	30 - 115 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorophenol	65			%	10/17/14	DD	25 - 121 %
% Nitrobenzene-d5	65			%	10/17/14	DD	23 - 120 %
% Phenol-d5	73			%	10/17/14	DD	24 - 113 %
% Terphenyl-d14	97			%	10/17/14	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 Quantitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

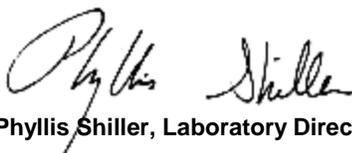
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are 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

October 23, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President

Sample Criteria Exceedences Report

GBH28329 - EBC

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	Criteria	RL	Analysis Units
BH28329	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	406	6.6	400	400	400	mg/Kg
BH28329	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	406	6.6	400	400	400	mg/Kg
BH28329	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	406	6.6	63	63	63	mg/Kg
BH28333	\$PESTSMDPR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Residential	56	3.6	39	39	39	ug/Kg
BH28333	\$PESTSMDPR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	69	22	3.3	3.3	3.3	ug/Kg
BH28333	\$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	880	110	3.3	3.3	3.3	ug/Kg
BH28333	\$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	820	110	3.3	3.3	3.3	ug/Kg
BH28333	\$PESTSMDPR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	56	3.6	5	5	5	ug/Kg
BH28335	\$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	28	2.1	3.3	3.3	3.3	ug/Kg
BH28335	\$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	72	4.3	3.3	3.3	3.3	ug/Kg
BH28337	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	1800	2500	1000	1000	1000	ug/Kg
BH28337	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	2500	330	330	330	ug/Kg
BH28337	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	2200	2500	1000	1000	1000	ug/Kg
BH28337	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	ND	2500	1000	1000	1000	ug/Kg
BH28337	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1300	2500	1000	1000	1000	ug/Kg
BH28337	\$8270SMRDP	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Residential	ND	2500	2400	2400	2400	ug/Kg
BH28337	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	2500	1000	1000	1000	ug/Kg
BH28337	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	2500	500	500	500	ug/Kg
BH28337	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1300	2500	1000	1000	1000	ug/Kg
BH28337	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	2500	1000	1000	1000	ug/Kg
BH28337	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	2500	330	330	330	ug/Kg
BH28337	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	2500	500	500	500	ug/Kg
BH28337	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1800	2500	1000	1000	1000	ug/Kg
BH28337	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2500	800	800	800	ug/Kg
BH28337	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1800	2500	1000	1000	1000	ug/Kg
BH28337	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2500	330	330	330	ug/Kg
BH28337	\$8270SMRDP	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2500	800	800	800	ug/Kg
BH28337	\$8270SMRDP	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2500	330	330	330	ug/Kg
BH28337	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1300	2500	1000	1000	1000	ug/Kg
BH28337	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2500	1000	1000	1000	ug/Kg
BH28337	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2200	2500	1000	1000	1000	ug/Kg
BH28337	\$8270SMRDP	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2500	330	330	330	ug/Kg
BH28337	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2500	500	500	500	ug/Kg
BH28337	\$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	290	21	3.3	3.3	3.3	ug/Kg
BH28337	\$PESTSMDPR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	17	2.1	3.3	3.3	3.3	ug/Kg
BH28337	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	65.3	0.6	63	63	63	mg/Kg
BH28339	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	3500	250	1000	1000	1000	ug/Kg
BH28339	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	3700	250	1000	1000	1000	ug/Kg
BH28339	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	3500	250	1000	1000	1000	ug/Kg

Sample Criteria Exceedences Report

Criteria: NY: 375, 375RRS, 375RS

GBH28329 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH28339	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1600	250	1000	1000	ug/Kg
BH28339	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	4500	250	1000	1000	ug/Kg
BH28339	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	2700	250	500	500	ug/Kg
BH28339	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2700	250	500	500	ug/Kg
BH28339	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	4500	250	1000	1000	ug/Kg
BH28339	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	3500	250	1000	1000	ug/Kg
BH28339	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	3500	250	1000	1000	ug/Kg
BH28339	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4500	250	1000	1000	ug/Kg
BH28339	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1600	250	800	800	ug/Kg
BH28339	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3500	250	1000	1000	ug/Kg
BH28339	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3700	250	1000	1000	ug/Kg
BH28339	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2700	250	500	500	ug/Kg
BH28339	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3500	250	1000	1000	ug/Kg
BH28339	\$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	4.5	2.1	3.3	3.3	ug/Kg
BH28340	\$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	3.5	2.1	3.3	3.3	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

October 23, 2014

SDG I.D.: GBH28329

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
 Temp 11 °C Pg 1 of 3

Contact Options:
 Fax:
 Phone: (631) 504-6000
 Email: C:sosik@ebcincny.com

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



Customer: Environmental Business Consultants
 Address: 1808 Middle Country Road
 Ridge, New York 11961

Project: 74 Vernon Ave, Boothwyn NY
 Report to: Environmental Business Consultants
 Invoice to: Environmental Business Consultants

This section **MUST** be completed with **Bottle Quantities.**

Client Sample - Information - Identification
 Sampler's Signature: [Signature] Date: 10-16-14

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

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Analysis Request
28329	SB1 0-2	S	10-15-14	8:00	SOIL VOA Vals [X] methanol [X] H2O
28330	SB1 11-15	S	10-15-14	8:30	GL SOIL container (8) oz
28331	SB2 0-2	S	10-15-14	9:00	GL SOIL container (8) oz
28332	SB2 9-11	S	10-15-14	9:30	GL Amber 1000ml [X] As is
28333	SB3 0-2	S	10-13-14	10:00	GL Amber 1000ml [X] As is
28334	SB3 11-15	S	10-13-14	10:30	PL H2SO4 [X] 250ml [X] 500ml
28335	SB4 0-2	S	10-15-14	12:00	PL H2SO4 [X] 250ml [X] 500ml
28336	SB4 11-13	S	10-13-14	12:30	PL H2SO4 [X] 250ml [X] 500ml
28337	SB5 0-2	S	10-13-14	11:00	PL H2SO4 [X] 250ml [X] 500ml
28338	SB5 11-13	S	10-13-14	11:30	PL H2SO4 [X] 250ml [X] 500ml
28339	SB5 11-13	S	10-13-14	11:30	PL H2SO4 [X] 250ml [X] 500ml

Relinquished by: [Signature] Date: 10/16/14 Time: 11:35
 Accepted by: [Signature] Date: 10/16/14 Time: 14:53

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

State where samples were collected: NY

Data Format:
 Phoenix Std Report
 Excel
 PDF
 GIS/Key
 EQUIS
 NY Hazsite EDD
 NY EZ EDD (ASP)
 Other

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

Comments, Special Requirements or Regulations:



Thursday, October 23, 2014

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

Project ID: 74 VERNON AVE BKLYN,NY
Sample ID#s: BH29007 - BH29011

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,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

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



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

Analysis Report

October 23, 2014

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

Sample Information

Matrix: AIR
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by:
 Received by: LPB
 Analyzed by: see "By" below

Date Time
 10/16/14 12:57
 10/17/14 16:50

Laboratory Data

SDG ID: GBH29007
 Phoenix ID: BH29007

Project ID: 74 VERNON AVE BKLYN,NY
 Client ID: SG2

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	10/20/14	KCA	TO15	1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	10/20/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	10/20/14	KCA	TO15	
1,1,2-Trichloroethane	ND	0.183	ND	1.00	10/20/14	KCA	TO15	
1,1-Dichloroethane	ND	0.247	ND	1.00	10/20/14	KCA	TO15	
1,1-Dichloroethene	ND	0.252	ND	1.00	10/20/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	10/20/14	KCA	TO15	
1,2,4-Trimethylbenzene	2.57	0.204	12.6	1.00	10/20/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	10/20/14	KCA	TO15	
1,2-Dichlorobenzene	ND	0.166	ND	1.00	10/20/14	KCA	TO15	
1,2-Dichloroethane	ND	0.247	ND	1.00	10/20/14	KCA	TO15	
1,2-dichloropropane	ND	0.216	ND	1.00	10/20/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	10/20/14	KCA	TO15	
1,3,5-Trimethylbenzene	0.860	0.204	4.22	1.00	10/20/14	KCA	TO15	
1,3-Butadiene	ND	0.452	ND	1.00	10/20/14	KCA	TO15	
1,3-Dichlorobenzene	ND	0.166	ND	1.00	10/20/14	KCA	TO15	
1,4-Dichlorobenzene	ND	0.166	ND	1.00	10/20/14	KCA	TO15	
1,4-Dioxane	ND	0.278	ND	1.00	10/20/14	KCA	TO15	
2-Hexanone(MBK)	ND	0.244	ND	1.00	10/20/14	KCA	TO15	1
4-Ethyltoluene	0.460	0.204	2.26	1.00	10/20/14	KCA	TO15	1
4-Isopropyltoluene	0.260	0.182	1.43	1.00	10/20/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	0.400	0.244	1.64	1.00	10/20/14	KCA	TO15	
Acetone	140	0.421	332	1.00	10/20/14	KCA	TO15	
Acrylonitrile	ND	0.461	ND	1.00	10/20/14	KCA	TO15	
Benzene	0.360	0.313	1.15	1.00	10/20/14	KCA	TO15	
Benzyl chloride	ND	0.193	ND	1.00	10/20/14	KCA	TO15	

Client ID: SG2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromodichloromethane	0.610	0.149	4.08	1.00	10/20/14	KCA	TO15
Bromoform	ND	0.097	ND	1.00	10/20/14	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	10/20/14	KCA	TO15
Carbon Disulfide	0.320	0.321	0.996	1.00	10/20/14	KCA	TO15
Carbon Tetrachloride	0.110	0.040	0.692	0.25	10/20/14	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	10/20/14	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	10/20/14	KCA	TO15
Chloroform	22.0	0.205	107	1.00	10/20/14	KCA	TO15
Chloromethane	ND	0.484	ND	1.00	10/20/14	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	10/20/14	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	10/20/14	KCA	TO15
Cyclohexane	ND	0.291	ND	1.00	10/20/14	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	10/20/14	KCA	TO15
Dichlorodifluoromethane	0.470	0.202	2.32	1.00	10/20/14	KCA	TO15
Ethanol	14.0	0.531	26.4	1.00	10/20/14	KCA	TO15
Ethyl acetate	ND	0.278	ND	1.00	10/20/14	KCA	TO15
Ethylbenzene	0.570	0.230	2.47	1.00	10/20/14	KCA	TO15
Heptane	0.470	0.244	1.92	1.00	10/20/14	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	10/20/14	KCA	TO15
Hexane	0.450	0.284	1.58	1.00	10/20/14	KCA	TO15
Isopropylalcohol	ND	0.407	ND	1.00	10/20/14	KCA	TO15
Isopropylbenzene	ND	0.204	ND	1.00	10/20/14	KCA	TO15
m,p-Xylene	2.17	0.230	9.42	1.00	10/20/14	KCA	TO15
Methyl Ethyl Ketone	10.3	0.339	30.4	1.00	10/20/14	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	10/20/14	KCA	TO15
Methylene Chloride	0.820	0.288	2.85	1.00	10/20/14	KCA	TO15
n-Butylbenzene	0.330	0.182	1.81	1.00	10/20/14	KCA	TO15
o-Xylene	1.10	0.230	4.77	1.00	10/20/14	KCA	TO15
Propylene	4.46	0.581	7.67	1.00	10/20/14	KCA	TO15
sec-Butylbenzene	ND	0.182	ND	1.00	10/20/14	KCA	TO15
Styrene	ND	0.235	ND	1.00	10/20/14	KCA	TO15
Tetrachloroethene	11.1	0.037	75.2	0.25	10/20/14	KCA	TO15
Tetrahydrofuran	ND	0.339	ND	1.00	10/20/14	KCA	TO15
Toluene	3.31	0.266	12.5	1.00	10/20/14	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	10/20/14	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	10/20/14	KCA	TO15
Trichloroethene	1.81	0.047	9.72	0.25	10/20/14	KCA	TO15
Trichlorofluoromethane	0.280	0.178	1.57	1.00	10/20/14	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	10/20/14	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	10/20/14	KCA	TO15
<u>QA/QC Surrogates</u>							
% Bromofluorobenzene	101	%	101	%	10/20/14	KCA	TO15

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

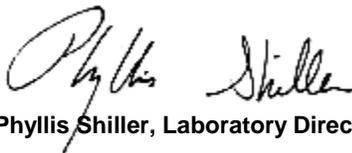
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level

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

October 23, 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

Analysis Report

October 23, 2014

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

Sample Information

Matrix: AIR
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by:
 Received by: LPB
 Analyzed by: see "By" below

Date

10/16/14
 10/17/14

Time

13:03
 16:50

Laboratory Data

SDG ID: GBH29007
 Phoenix ID: BH29008

Project ID: 74 VERNON AVE BKLYN,NY
 Client ID: SG1

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	10/20/14	KCA	TO15 1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	10/20/14	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	10/20/14	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	ND	1.00	10/20/14	KCA	TO15
1,1-Dichloroethane	ND	0.247	ND	1.00	10/20/14	KCA	TO15
1,1-Dichloroethene	ND	0.252	ND	1.00	10/20/14	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	10/20/14	KCA	TO15
1,2,4-Trimethylbenzene	3.65	0.204	17.9	1.00	10/20/14	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	10/20/14	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	ND	1.00	10/20/14	KCA	TO15
1,2-Dichloroethane	ND	0.247	ND	1.00	10/20/14	KCA	TO15
1,2-dichloropropane	ND	0.216	ND	1.00	10/20/14	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	10/20/14	KCA	TO15
1,3,5-Trimethylbenzene	1.21	0.204	5.94	1.00	10/20/14	KCA	TO15
1,3-Butadiene	ND	0.452	ND	1.00	10/20/14	KCA	TO15
1,3-Dichlorobenzene	ND	0.166	ND	1.00	10/20/14	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	ND	1.00	10/20/14	KCA	TO15
1,4-Dioxane	ND	0.278	ND	1.00	10/20/14	KCA	TO15
2-Hexanone(MBK)	ND	0.244	ND	1.00	10/20/14	KCA	TO15 1
4-Ethyltoluene	0.680	0.204	3.34	1.00	10/20/14	KCA	TO15 1
4-Isopropyltoluene	0.220	0.182	1.21	1.00	10/20/14	KCA	TO15 1
4-Methyl-2-pentanone(MIBK)	0.410	0.244	1.68	1.00	10/20/14	KCA	TO15
Acetone	118	0.421	280	1.00	10/20/14	KCA	TO15
Acrylonitrile	ND	0.461	ND	1.00	10/20/14	KCA	TO15
Benzene	0.500	0.313	1.60	1.00	10/20/14	KCA	TO15
Benzyl chloride	ND	0.193	ND	1.00	10/20/14	KCA	TO15

Client ID: SG1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromodichloromethane	ND	0.149	ND	1.00	10/20/14	KCA	TO15
Bromoform	ND	0.097	ND	1.00	10/20/14	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	10/20/14	KCA	TO15
Carbon Disulfide	0.770	0.321	2.40	1.00	10/20/14	KCA	TO15
Carbon Tetrachloride	0.070	0.040	0.440	0.25	10/20/14	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	10/20/14	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	10/20/14	KCA	TO15
Chloroform	6.54	0.205	31.9	1.00	10/20/14	KCA	TO15
Chloromethane	ND	0.484	ND	1.00	10/20/14	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	10/20/14	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	10/20/14	KCA	TO15
Cyclohexane	ND	0.291	ND	1.00	10/20/14	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	10/20/14	KCA	TO15
Dichlorodifluoromethane	0.490	0.202	2.42	1.00	10/20/14	KCA	TO15
Ethanol	17.9	0.531	33.7	1.00	10/20/14	KCA	TO15
Ethyl acetate	ND	0.278	ND	1.00	10/20/14	KCA	TO15
Ethylbenzene	0.370	0.230	1.60	1.00	10/20/14	KCA	TO15
Heptane	0.420	0.244	1.72	1.00	10/20/14	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	10/20/14	KCA	TO15
Hexane	0.880	0.284	3.10	1.00	10/20/14	KCA	TO15
Isopropylalcohol	ND	0.407	ND	1.00	10/20/14	KCA	TO15
Isopropylbenzene	ND	0.204	ND	1.00	10/20/14	KCA	TO15
m,p-Xylene	1.61	0.230	6.99	1.00	10/20/14	KCA	TO15
Methyl Ethyl Ketone	6.82	0.339	20.1	1.00	10/20/14	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	10/20/14	KCA	TO15
Methylene Chloride	4.22	0.288	14.6	1.00	10/20/14	KCA	TO15
n-Butylbenzene	0.400	0.182	2.19	1.00	10/20/14	KCA	TO15
o-Xylene	0.970	0.230	4.21	1.00	10/20/14	KCA	TO15
Propylene	14.0	0.581	24.1	1.00	10/20/14	KCA	TO15
sec-Butylbenzene	ND	0.182	ND	1.00	10/20/14	KCA	TO15
Styrene	ND	0.235	ND	1.00	10/20/14	KCA	TO15
Tetrachloroethene	13.0	0.037	88.1	0.25	10/20/14	KCA	TO15
Tetrahydrofuran	ND	0.339	ND	1.00	10/20/14	KCA	TO15
Toluene	3.24	0.266	12.2	1.00	10/20/14	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	10/20/14	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	10/20/14	KCA	TO15
Trichloroethene	1.16	0.047	6.23	0.25	10/20/14	KCA	TO15
Trichlorofluoromethane	1.16	0.178	6.51	1.00	10/20/14	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	10/20/14	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	10/20/14	KCA	TO15
<u>QA/QC Surrogates</u>							
% Bromofluorobenzene	109	%	109	%	10/20/14	KCA	TO15

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

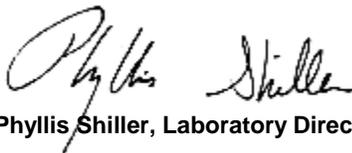
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level

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

October 23, 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

Analysis Report

October 23, 2014

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

Sample Information

Matrix: AIR
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by:
 Received by: LPB
 Analyzed by: see "By" below

Date Time
 10/16/14 13:08
 10/17/14 16:50

Laboratory Data

SDG ID: GBH29007
 Phoenix ID: BH29009

Project ID: 74 VERNON AVE BKLYN,NY
 Client ID: SG4

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	10/20/14	KCA	TO15 1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	10/20/14	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	10/20/14	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	ND	1.00	10/20/14	KCA	TO15
1,1-Dichloroethane	ND	0.247	ND	1.00	10/20/14	KCA	TO15
1,1-Dichloroethene	ND	0.252	ND	1.00	10/20/14	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	10/20/14	KCA	TO15
1,2,4-Trimethylbenzene	2.72	0.204	13.4	1.00	10/20/14	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	10/20/14	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	ND	1.00	10/20/14	KCA	TO15
1,2-Dichloroethane	ND	0.247	ND	1.00	10/20/14	KCA	TO15
1,2-dichloropropane	ND	0.216	ND	1.00	10/20/14	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	10/20/14	KCA	TO15
1,3,5-Trimethylbenzene	1.03	0.204	5.06	1.00	10/20/14	KCA	TO15
1,3-Butadiene	ND	0.452	ND	1.00	10/20/14	KCA	TO15
1,3-Dichlorobenzene	ND	0.166	ND	1.00	10/20/14	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	ND	1.00	10/20/14	KCA	TO15
1,4-Dioxane	ND	0.278	ND	1.00	10/20/14	KCA	TO15
2-Hexanone(MBK)	ND	0.244	ND	1.00	10/20/14	KCA	TO15 1
4-Ethyltoluene	0.480	0.204	2.36	1.00	10/20/14	KCA	TO15 1
4-Isopropyltoluene	0.190	0.182	1.04	1.00	10/20/14	KCA	TO15 1
4-Methyl-2-pentanone(MIBK)	0.320	0.244	1.31	1.00	10/20/14	KCA	TO15
Acetone	89.4	0.421	212	1.00	10/20/14	KCA	TO15
Acrylonitrile	ND	0.461	ND	1.00	10/20/14	KCA	TO15
Benzene	0.320	0.313	1.02	1.00	10/20/14	KCA	TO15
Benzyl chloride	ND	0.193	ND	1.00	10/20/14	KCA	TO15

Client ID: SG4

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromodichloromethane	0.160	0.149	1.07	1.00	10/20/14	KCA	TO15
Bromoform	ND	0.097	ND	1.00	10/20/14	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	10/20/14	KCA	TO15
Carbon Disulfide	ND	0.321	ND	1.00	10/20/14	KCA	TO15
Carbon Tetrachloride	0.090	0.040	0.566	0.25	10/20/14	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	10/20/14	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	10/20/14	KCA	TO15
Chloroform	11.6	0.205	56.6	1.00	10/20/14	KCA	TO15
Chloromethane	ND	0.484	ND	1.00	10/20/14	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	10/20/14	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	10/20/14	KCA	TO15
Cyclohexane	ND	0.291	ND	1.00	10/20/14	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	10/20/14	KCA	TO15
Dichlorodifluoromethane	0.490	0.202	2.42	1.00	10/20/14	KCA	TO15
Ethanol	13.4	0.531	25.2	1.00	10/20/14	KCA	TO15
Ethyl acetate	ND	0.278	ND	1.00	10/20/14	KCA	TO15
Ethylbenzene	0.490	0.230	2.13	1.00	10/20/14	KCA	TO15
Heptane	ND	0.244	ND	1.00	10/20/14	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	10/20/14	KCA	TO15
Hexane	0.740	0.284	2.61	1.00	10/20/14	KCA	TO15
Isopropylalcohol	ND	0.407	ND	1.00	10/20/14	KCA	TO15
Isopropylbenzene	ND	0.204	ND	1.00	10/20/14	KCA	TO15
m,p-Xylene	1.64	0.230	7.12	1.00	10/20/14	KCA	TO15
Methyl Ethyl Ketone	1.60	0.339	4.72	1.00	10/20/14	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	10/20/14	KCA	TO15
Methylene Chloride	2.49	0.288	8.64	1.00	10/20/14	KCA	TO15
n-Butylbenzene	0.270	0.182	1.48	1.00	10/20/14	KCA	TO15
o-Xylene	0.890	0.230	3.86	1.00	10/20/14	KCA	TO15
Propylene	0.900	0.581	1.55	1.00	10/20/14	KCA	TO15
sec-Butylbenzene	ND	0.182	ND	1.00	10/20/14	KCA	TO15
Styrene	0.380	0.235	1.62	1.00	10/20/14	KCA	TO15
Tetrachloroethene	13.6	0.037	92.2	0.25	10/20/14	KCA	TO15
Tetrahydrofuran	ND	0.339	ND	1.00	10/20/14	KCA	TO15
Toluene	4.27	0.266	16.1	1.00	10/20/14	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	10/20/14	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	10/20/14	KCA	TO15
Trichloroethene	0.870	0.047	4.67	0.25	10/20/14	KCA	TO15
Trichlorofluoromethane	0.420	0.178	2.36	1.00	10/20/14	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	10/20/14	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	10/20/14	KCA	TO15
<u>QA/QC Surrogates</u>							
% Bromofluorobenzene	107	%	107	%	10/20/14	KCA	TO15

Client ID: SG4

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

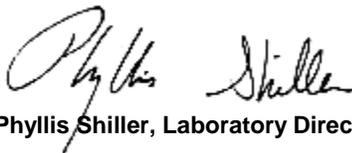
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director

October 23, 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

Analysis Report

October 23, 2014

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

Sample Information

Matrix: AIR
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by:
 Received by: LPB
 Analyzed by: see "By" below

Date Time
 10/16/14 12:59
 10/17/14 16:50

Laboratory Data

SDG ID: GBH29007
 Phoenix ID: BH29010

Project ID: 74 VERNON AVE BKLYN,NY
 Client ID: SG5

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	10/20/14	KCA	TO15	1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	10/20/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	10/20/14	KCA	TO15	
1,1,2-Trichloroethane	ND	0.183	ND	1.00	10/20/14	KCA	TO15	
1,1-Dichloroethane	ND	0.247	ND	1.00	10/20/14	KCA	TO15	
1,1-Dichloroethene	ND	0.252	ND	1.00	10/20/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	10/20/14	KCA	TO15	
1,2,4-Trimethylbenzene	3.01	0.204	14.8	1.00	10/20/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	10/20/14	KCA	TO15	
1,2-Dichlorobenzene	ND	0.166	ND	1.00	10/20/14	KCA	TO15	
1,2-Dichloroethane	ND	0.247	ND	1.00	10/20/14	KCA	TO15	
1,2-dichloropropane	ND	0.216	ND	1.00	10/20/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	10/20/14	KCA	TO15	
1,3,5-Trimethylbenzene	1.01	0.204	4.96	1.00	10/20/14	KCA	TO15	
1,3-Butadiene	ND	0.452	ND	1.00	10/20/14	KCA	TO15	
1,3-Dichlorobenzene	ND	0.166	ND	1.00	10/20/14	KCA	TO15	
1,4-Dichlorobenzene	ND	0.166	ND	1.00	10/20/14	KCA	TO15	
1,4-Dioxane	ND	0.278	ND	1.00	10/20/14	KCA	TO15	
2-Hexanone(MBK)	ND	0.244	ND	1.00	10/20/14	KCA	TO15	1
4-Ethyltoluene	0.470	0.204	2.31	1.00	10/20/14	KCA	TO15	1
4-Isopropyltoluene	0.230	0.182	1.26	1.00	10/20/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	0.270	0.244	1.10	1.00	10/20/14	KCA	TO15	
Acetone	35.5	0.421	84.3	1.00	10/20/14	KCA	TO15	
Acrylonitrile	ND	0.461	ND	1.00	10/20/14	KCA	TO15	
Benzene	ND	0.313	ND	1.00	10/20/14	KCA	TO15	
Benzyl chloride	ND	0.193	ND	1.00	10/20/14	KCA	TO15	

Client ID: SG5

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromodichloromethane	0.260	0.149	1.74	1.00	10/20/14	KCA	TO15
Bromoform	ND	0.097	ND	1.00	10/20/14	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	10/20/14	KCA	TO15
Carbon Disulfide	0.590	0.321	1.84	1.00	10/20/14	KCA	TO15
Carbon Tetrachloride	0.080	0.040	0.503	0.25	10/20/14	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	10/20/14	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	10/20/14	KCA	TO15
Chloroform	23.9	0.205	117	1.00	10/20/14	KCA	TO15
Chloromethane	ND	0.484	ND	1.00	10/20/14	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	10/20/14	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	10/20/14	KCA	TO15
Cyclohexane	ND	0.291	ND	1.00	10/20/14	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	10/20/14	KCA	TO15
Dichlorodifluoromethane	0.470	0.202	2.32	1.00	10/20/14	KCA	TO15
Ethanol	10.4	0.531	19.6	1.00	10/20/14	KCA	TO15
Ethyl acetate	ND	0.278	ND	1.00	10/20/14	KCA	TO15
Ethylbenzene	0.360	0.230	1.56	1.00	10/20/14	KCA	TO15
Heptane	ND	0.244	ND	1.00	10/20/14	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	10/20/14	KCA	TO15
Hexane	1.17	0.284	4.12	1.00	10/20/14	KCA	TO15
Isopropylalcohol	ND	0.407	ND	1.00	10/20/14	KCA	TO15
Isopropylbenzene	ND	0.204	ND	1.00	10/20/14	KCA	TO15
m,p-Xylene	1.56	0.230	6.77	1.00	10/20/14	KCA	TO15
Methyl Ethyl Ketone	2.72	0.339	8.02	1.00	10/20/14	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	10/20/14	KCA	TO15
Methylene Chloride	1.29	0.288	4.48	1.00	10/20/14	KCA	TO15
n-Butylbenzene	0.340	0.182	1.86	1.00	10/20/14	KCA	TO15
o-Xylene	0.860	0.230	3.73	1.00	10/20/14	KCA	TO15
Propylene	1.53	0.581	2.63	1.00	10/20/14	KCA	TO15
sec-Butylbenzene	ND	0.182	ND	1.00	10/20/14	KCA	TO15
Styrene	ND	0.235	ND	1.00	10/20/14	KCA	TO15
Tetrachloroethene	32.4	0.037	220	0.25	10/20/14	KCA	TO15
Tetrahydrofuran	ND	0.339	ND	1.00	10/20/14	KCA	TO15
Toluene	2.19	0.266	8.25	1.00	10/20/14	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	10/20/14	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	10/20/14	KCA	TO15
Trichloroethene	2.68	0.047	14.4	0.25	10/20/14	KCA	TO15
Trichlorofluoromethane	0.970	0.178	5.45	1.00	10/20/14	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	10/20/14	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	10/20/14	KCA	TO15
<u>QA/QC Surrogates</u>							
% Bromofluorobenzene	104	%	104	%	10/20/14	KCA	TO15

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

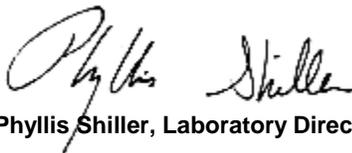
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director

October 23, 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

Analysis Report

October 23, 2014

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

Sample Information

Matrix: AIR
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by:
 Received by: LPB
 Analyzed by: see "By" below

Date Time
 10/16/14 13:01
 10/17/14 16:50

Laboratory Data

SDG ID: GBH29007
 Phoenix ID: BH29011

Project ID: 74 VERNON AVE BKLYN,NY
 Client ID: SG3

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	10/20/14	KCA	TO15
1,1,1-Trichloroethane	ND	0.183	ND	1.00	10/20/14	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	10/20/14	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	ND	1.00	10/20/14	KCA	TO15
1,1-Dichloroethane	ND	0.247	ND	1.00	10/20/14	KCA	TO15
1,1-Dichloroethene	ND	0.252	ND	1.00	10/20/14	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	10/20/14	KCA	TO15
1,2,4-Trimethylbenzene	2.68	0.204	13.2	1.00	10/20/14	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	10/20/14	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	ND	1.00	10/20/14	KCA	TO15
1,2-Dichloroethane	ND	0.247	ND	1.00	10/20/14	KCA	TO15
1,2-dichloropropane	ND	0.216	ND	1.00	10/20/14	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	10/20/14	KCA	TO15
1,3,5-Trimethylbenzene	0.860	0.204	4.22	1.00	10/20/14	KCA	TO15
1,3-Butadiene	ND	0.452	ND	1.00	10/20/14	KCA	TO15
1,3-Dichlorobenzene	ND	0.166	ND	1.00	10/20/14	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	ND	1.00	10/20/14	KCA	TO15
1,4-Dioxane	ND	0.278	ND	1.00	10/20/14	KCA	TO15
2-Hexanone(MBK)	ND	0.244	ND	1.00	10/20/14	KCA	TO15
4-Ethyltoluene	0.530	0.204	2.60	1.00	10/20/14	KCA	TO15
4-Isopropyltoluene	0.230	0.182	1.26	1.00	10/20/14	KCA	TO15
4-Methyl-2-pentanone(MIBK)	0.360	0.244	1.47	1.00	10/20/14	KCA	TO15
Acetone	36.0	0.421	85.5	1.00	10/20/14	KCA	TO15
Acrylonitrile	ND	0.461	ND	1.00	10/20/14	KCA	TO15
Benzene	0.380	0.313	1.21	1.00	10/20/14	KCA	TO15
Benzyl chloride	ND	0.193	ND	1.00	10/20/14	KCA	TO15

Client ID: SG3

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromodichloromethane	ND	0.149	ND	1.00	10/20/14	KCA	TO15
Bromoform	ND	0.097	ND	1.00	10/20/14	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	10/20/14	KCA	TO15
Carbon Disulfide	ND	0.321	ND	1.00	10/20/14	KCA	TO15
Carbon Tetrachloride	0.090	0.040	0.566	0.25	10/20/14	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	10/20/14	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	10/20/14	KCA	TO15
Chloroform	12.2	0.205	59.5	1.00	10/20/14	KCA	TO15
Chloromethane	ND	0.484	ND	1.00	10/20/14	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	10/20/14	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	10/20/14	KCA	TO15
Cyclohexane	ND	0.291	ND	1.00	10/20/14	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	10/20/14	KCA	TO15
Dichlorodifluoromethane	0.470	0.202	2.32	1.00	10/20/14	KCA	TO15
Ethanol	13.8	0.531	26.0	1.00	10/20/14	KCA	TO15 1
Ethyl acetate	ND	0.278	ND	1.00	10/20/14	KCA	TO15 1
Ethylbenzene	0.550	0.230	2.39	1.00	10/20/14	KCA	TO15
Heptane	0.270	0.244	1.10	1.00	10/20/14	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	10/20/14	KCA	TO15
Hexane	0.700	0.284	2.46	1.00	10/20/14	KCA	TO15
Isopropylalcohol	ND	0.407	ND	1.00	10/20/14	KCA	TO15
Isopropylbenzene	0.240	0.204	1.18	1.00	10/20/14	KCA	TO15
m,p-Xylene	2.13	0.230	9.24	1.00	10/20/14	KCA	TO15
Methyl Ethyl Ketone	3.49	0.339	10.3	1.00	10/20/14	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	10/20/14	KCA	TO15
Methylene Chloride	3.44	0.288	11.9	1.00	10/20/14	KCA	TO15
n-Butylbenzene	0.330	0.182	1.81	1.00	10/20/14	KCA	TO15 1
o-Xylene	1.12	0.230	4.86	1.00	10/20/14	KCA	TO15
Propylene	1.23	0.581	2.12	1.00	10/20/14	KCA	TO15 1
sec-Butylbenzene	ND	0.182	ND	1.00	10/20/14	KCA	TO15 1
Styrene	ND	0.235	ND	1.00	10/20/14	KCA	TO15
Tetrachloroethene	9.60	0.037	65.1	0.25	10/20/14	KCA	TO15
Tetrahydrofuran	ND	0.339	ND	1.00	10/20/14	KCA	TO15 1
Toluene	3.40	0.266	12.8	1.00	10/20/14	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	10/20/14	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	10/20/14	KCA	TO15
Trichloroethene	1.16	0.047	6.23	0.25	10/20/14	KCA	TO15
Trichlorofluoromethane	0.420	0.178	2.36	1.00	10/20/14	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	10/20/14	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	10/20/14	KCA	TO15
<u>QA/QC Surrogates</u>							
% Bromofluorobenzene	101	%	101	%	10/20/14	KCA	TO15

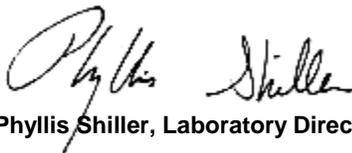
Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

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

October 23, 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



QA/QC Report

October 23, 2014

QA/QC Data

SDG I.D.: GBH29007

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
QA/QC Batch 289978, QC Sample No: BH29007 (BH29007, BH29008, BH29009, BH29010, BH29011)										
Volatiles										
1,1,1,2-Tetrachloroethane	ND	ND	133	ND	ND	ND	ND	NC	70 - 130	20
1,1,1-Trichloroethane	ND	ND	109	ND	ND	ND	ND	NC	70 - 130	20
1,1,2,2-Tetrachloroethane	ND	ND	106	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	84	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethene	ND	ND	90	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trichlorobenzene	ND	ND	125	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trimethylbenzene	ND	ND	110	12.6	12.7	2.57	2.59	0.8	70 - 130	20
1,2-Dibromoethane(EDB)	ND	ND	114	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorobenzene	ND	ND	122	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichloroethane	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
1,2-dichloropropane	ND	ND	108	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorotetrafluoroethane	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
1,3,5-Trimethylbenzene	ND	ND	105	4.22	4.18	0.860	0.850	1.2	70 - 130	20
1,3-Butadiene	ND	ND	95	ND	ND	ND	ND	NC	70 - 130	20
1,3-Dichlorobenzene	ND	ND	121	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dichlorobenzene	ND	ND	122	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dioxane	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
2-Hexanone(MBK)	ND	ND	103	ND	ND	ND	ND	NC	70 - 130	20
4-Ethyltoluene	ND	ND	105	2.26	2.21	0.460	0.450	2.2	70 - 130	20
4-Isopropyltoluene	ND	ND	111	1.43	1.37	0.260	0.250	3.9	70 - 130	20
4-Methyl-2-pentanone(MIBK)	ND	ND	102	1.64	1.68	0.400	0.410	2.5	70 - 130	20
Acetone	ND	ND	96	290	301	122	127	4.0	70 - 130	20
Acrylonitrile	ND	ND	103	ND	ND	ND	ND	NC	70 - 130	20
Benzene	ND	ND	102	1.15	1.18	0.360	0.370	2.7	70 - 130	20
Benzyl chloride	ND	ND	>140	ND	ND	ND	ND	NC	70 - 130	20
Bromodichloromethane	ND	ND	114	4.08	4.02	0.610	0.600	1.7	70 - 130	20
Bromoform	ND	ND	140	ND	ND	ND	ND	NC	70 - 130	20
Bromomethane	ND	ND	88	ND	ND	ND	ND	NC	70 - 130	20
Carbon Disulfide	ND	ND	90	0.996	1.03	0.320	0.330	3.1	70 - 130	20
Carbon Tetrachloride	ND	ND	119	0.692	0.629	0.110	0.100	9.5	70 - 130	20
Chlorobenzene	ND	ND	110	ND	ND	ND	ND	NC	70 - 130	20
Chloroethane	ND	ND	90	ND	ND	ND	ND	NC	70 - 130	20
Chloroform	ND	ND	98	107	107	22.0	22.0	0.0	70 - 130	20
Chloromethane	ND	ND	86	ND	ND	ND	ND	NC	70 - 130	20
Cis-1,2-Dichloroethene	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
cis-1,3-Dichloropropene	ND	ND	117	ND	ND	ND	ND	NC	70 - 130	20
Cyclohexane	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
Dibromochloromethane	ND	ND	127	ND	ND	ND	ND	NC	70 - 130	20
Dichlorodifluoromethane	ND	ND	93	2.32	2.47	0.470	0.500	6.2	70 - 130	20
Ethanol	ND	ND	94	26.4	28.2	14.0	15.0	6.9	70 - 130	20

QA/QC Data

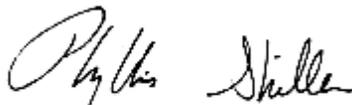
SDG I.D.: GBH29007

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	108	ND	ND	ND	ND	NC	70 - 130	20
Ethylbenzene	ND	ND	111	2.47	2.56	0.570	0.590	3.4	70 - 130	20
Heptane	ND	ND	100	1.92	1.92	0.470	0.470	0.0	70 - 130	20
Hexachlorobutadiene	ND	ND	118	ND	ND	ND	ND	NC	70 - 130	20
Hexane	ND	ND	96	1.58	1.76	0.450	0.500	10.5	70 - 130	20
Isopropylalcohol	ND	ND	93	ND	ND	ND	ND	NC	70 - 130	20
Isopropylbenzene	ND	ND	110	ND	ND	ND	ND	NC	70 - 130	20
m,p-Xylene	ND	ND	112	9.42	9.59	2.17	2.21	1.8	70 - 130	20
Methyl Ethyl Ketone	ND	ND	104	30.4	26.2	10.3	8.88	14.8	70 - 130	20
Methyl tert-butyl ether(MTBE)	ND	ND	123	ND	ND	ND	ND	NC	70 - 130	20
Methylene Chloride	ND	ND	86	2.85	3.54	0.820	1.02	21.7	70 - 130	20
n-Butylbenzene	ND	ND	116	1.81	1.70	0.330	0.310	6.3	70 - 130	20
o-Xylene	ND	ND	107	4.77	4.90	1.10	1.13	2.7	70 - 130	20
Propylene	ND	ND	89	7.67	8.72	4.46	5.07	12.8	70 - 130	20
sec-Butylbenzene	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
Styrene	ND	ND	115	ND	ND	ND	ND	NC	70 - 130	20
Tetrachloroethene	ND	ND	116	75.2	77.3	11.1	11.4	2.7	70 - 130	20
Tetrahydrofuran	ND	ND	112	ND	ND	ND	ND	NC	70 - 130	20
Toluene	ND	ND	109	12.5	12.7	3.31	3.38	2.1	70 - 130	20
Trans-1,2-Dichloroethene	ND	ND	94	ND	ND	ND	ND	NC	70 - 130	20
trans-1,3-Dichloropropene	ND	ND	121	ND	ND	ND	ND	NC	70 - 130	20
Trichloroethene	ND	ND	108	9.72	9.77	1.81	1.82	0.6	70 - 130	20
Trichlorofluoromethane	ND	ND	91	1.57	1.63	0.280	0.290	3.5	70 - 130	20
Trichlorotrifluoroethane	ND	ND	90	ND	ND	ND	ND	NC	70 - 130	20
Vinyl Chloride	ND	ND	90	ND	ND	ND	ND	NC	70 - 130	20
% Bromofluorobenzene	110	110	102	101	107	101	107	5.8	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
 October 23, 2014

Sample Criteria Exceedences Report

GBH29007 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** 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.



CHAIN OF CUSTODY RECORD
AIR ANALYSES
800-827-5426
email: greg@phoenixlabs.com

P.O. # _____ Page _____ of _____
Data Delivery: Fax # _____
 Email: File
 Phone #: _____

Report to: _____ Invoice to: EBC

Customer: EBC Project Name: 74 Vernon Ave Bklyn NJ

Address: 1808 Middle Country Rd Requested Deliverable: RCP ASP CAT B
Ridge NY 11261 MCP NJ Deliverables

Sampled by: _____ State where samples collected: NJ

Phoenix ID #	Client Sample ID	Canister ID #	THIS SECTION FOR LAB USE ONLY				Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start ("Hg)	Canister Pressure at End ("Hg)	Soil Gas	Grab (G) Composite (C)	TO-14	TO-15
			Outgoing Canister Pressure ("Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Canister Size (L)										
29007	S92	12855	6.0	-30	-0	0331	41.0	1119	1257	10-16	-29	-8	8		8	
29008	S91	477			-0	4980V		1127	1303	10-16	-30	-9				
29009	S94	480			-4	5708V		1130	1308	10-16	-28	-6				
29010	S95	12856			-5	4957V		1125	1259	10-16	-30	-8				
29011	S93	11290			-5	4981V		1122	1301	10-16	-30	-9				
	6L 2HR															

Relinquished by: [Signature] Date: 10-17-14 Time: 11:50

Accepted by: [Signature] Date: 10-17-14 Time: 10:50

Data Format: Excel PDF GISKey Equis Other: _____

SPECIAL INSTRUCTIONS, OC REQUIREMENTS, REGULATORY INFORMATION: _____

Requested Criteria: _____

Quote Number: _____ Signature: _____ Date: _____

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:



Friday, October 24, 2014

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

Project ID:
Sample ID#s: BH29004 - BH29005

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,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

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



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



SDG Comments

October 24, 2014

SDG I.D.: GBH29004

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.

8081 Pesticides:

Toxaphene is reported to the lowest possible reporting level. The NY TOGS criteria for this compound can not be achieved.



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

Analysis Report

October 24, 2014

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

Sample Information

Matrix: GROUND WATER
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by:
 Received by: LPB
 Analyzed by: see "By" below

Date

10/16/14
 10/17/14

Time

11:30
 16:50

Laboratory Data

SDG ID: GBH29004
 Phoenix ID: BH29004

Project ID:
 Client ID: MW-1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver (Dissolved)	< 0.005	0.005		mg/L	10/20/14	EK	SW6010
Aluminum (Dissolved)	0.87	0.01		mg/L	10/20/14	EK	SW6010
Arsenic, (Dissolved)	< 0.003	0.003		mg/L	10/20/14	EK	SW6010
Barium (Dissolved)	0.062	0.011		mg/L	10/20/14	EK	SW6010
Beryllium (Dissolved)	< 0.001	0.001		mg/L	10/20/14	EK	SW6010
Calcium (Dissolved)	36.6	0.01		mg/L	10/20/14	EK	SW6010
Cadmium (Dissolved)	< 0.004	0.004		mg/L	10/20/14	EK	SW6010
Cobalt, (Dissolved)	< 0.005	0.005		mg/L	10/20/14	EK	SW6010
Chromium (Dissolved)	0.003	0.001		mg/L	10/20/14	EK	SW6010
Copper, (Dissolved)	0.007	0.005		mg/L	10/20/14	EK	SW6010
Iron, (Dissolved)	1.72	0.01		mg/L	10/20/14	EK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002		mg/L	10/20/14	RS	SW7470
Potassium (Dissolved)	4.4	0.1		mg/L	10/20/14	EK	SW6010
Magnesium (Dissolved)	13.7	0.01		mg/L	10/20/14	EK	SW6010
Manganese, (Dissolved)	0.399	0.005		mg/L	10/20/14	EK	SW6010
Sodium (Dissolved)	44.0	0.11		mg/L	10/20/14	EK	SW6010
Nickel, (Dissolved)	0.016	0.004		mg/L	10/20/14	EK	SW6010
Lead (Dissolved)	< 0.002	0.002		mg/L	10/20/14	EK	SW6010
Antimony, (Dissolved)	< 0.003	0.003		mg/L	10/20/14	RS	7010
Selenium, (Dissolved)	< 0.004	0.004		mg/L	10/21/14	RS	7010
Thallium, (Dissolved)	< 0.0005	0.0005		mg/L	10/21/14	T/R	7010
Vanadium, (Dissolved)	< 0.011	0.011		mg/L	10/20/14	EK	SW6010
Zinc, (Dissolved)	0.014	0.011		mg/L	10/20/14	EK	SW6010
Filtration	Completed				10/17/14	AG	0.45um Filter
Dissolved Mercury Digestion	Completed				10/20/14	I/I	SW7470
PCB Extraction (2 Liter)	Completed				10/17/14	L	SW3510
Extraction for Pest (2 Liter)	Completed				10/17/14	L	SW3510
Semi-Volatile Extraction	Completed				10/17/14	E/D/D	SW3520

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dissolved Metals Preparation	Completed				10/17/14	AG	SW846-3005
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	0.050	0.050	ug/L	10/18/14	AW	608/ 8082
PCB-1221	ND	0.050	0.050	ug/L	10/18/14	AW	608/ 8082
PCB-1232	ND	0.050	0.050	ug/L	10/18/14	AW	608/ 8082
PCB-1242	ND	0.050	0.050	ug/L	10/18/14	AW	608/ 8082
PCB-1248	ND	0.050	0.050	ug/L	10/18/14	AW	608/ 8082
PCB-1254	ND	0.050	0.050	ug/L	10/18/14	AW	608/ 8082
PCB-1260	ND	0.050	0.050	ug/L	10/18/14	AW	608/ 8082
PCB-1262	ND	0.050	0.050	ug/L	10/18/14	AW	608/ 8082
PCB-1268	ND	0.050	0.050	ug/L	10/18/14	AW	608/ 8082
<u>QA/QC Surrogates</u>							
% DCBP	61			%	10/18/14	AW	30 - 150 %
% TCMX	71			%	10/18/14	AW	30 - 150 %
<u>Pesticides</u>							
4,4' -DDD	ND	0.010		ug/L	10/19/14	KCA	SW8081
4,4' -DDE	ND	0.010		ug/L	10/19/14	KCA	SW8081
4,4' -DDT	ND	0.010		ug/L	10/19/14	KCA	SW8081
a-BHC	ND	0.005		ug/L	10/19/14	KCA	SW8081
a-chlordane	ND	0.010		ug/L	10/19/14	KCA	SW8081
Alachlor	ND	0.075		ug/L	10/19/14	KCA	SW8081
Aldrin	ND	0.002		ug/L	10/19/14	KCA	SW8081
b-BHC	ND	0.005		ug/L	10/19/14	KCA	SW8081
Chlordane	ND	0.05		ug/L	10/19/14	KCA	SW8081
d-BHC	ND	0.005		ug/L	10/19/14	KCA	SW8081
Dieldrin	ND	0.002		ug/L	10/19/14	KCA	SW8081
Endosulfan I	ND	0.010		ug/L	10/19/14	KCA	SW8081
Endosulfan II	ND	0.010		ug/L	10/19/14	KCA	SW8081
Endosulfan Sulfate	ND	0.010		ug/L	10/19/14	KCA	SW8081
Endrin	ND	0.010		ug/L	10/19/14	KCA	SW8081
Endrin Aldehyde	ND	0.010		ug/L	10/19/14	KCA	SW8081
Endrin ketone	ND	0.010		ug/L	10/19/14	KCA	SW8081
g-BHC (Lindane)	ND	0.005		ug/L	10/19/14	KCA	SW8081
g-chlordane	ND	0.010		ug/L	10/19/14	KCA	SW8081
Heptachlor	ND	0.010		ug/L	10/19/14	KCA	SW8081
Heptachlor epoxide	ND	0.010		ug/L	10/19/14	KCA	SW8081
Methoxychlor	ND	0.10		ug/L	10/19/14	KCA	SW8081
Toxaphene	ND	0.25		ug/L	10/19/14	KCA	SW8081
<u>QA/QC Surrogates</u>							
%DCBP (Surrogate Rec)	59			%	10/19/14	KCA	SW8081
%TCMX (Surrogate Rec)	69			%	10/19/14	KCA	SW8081
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/L	10/20/14	MH	SW8260
1,1,1-Trichloroethane	ND	5.0	0.19	ug/L	10/20/14	MH	SW8260
1,1,2,2-Tetrachloroethane	ND	1.0	0.15	ug/L	10/20/14	MH	SW8260
1,1,2-Trichloroethane	ND	1.0	0.20	ug/L	10/20/14	MH	SW8260
1,1-Dichloroethane	ND	5.0	0.23	ug/L	10/20/14	MH	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloroethene	ND	1.0	0.24	ug/L	10/20/14	MH	SW8260
1,1-Dichloropropene	ND	1.0	0.20	ug/L	10/20/14	MH	SW8260
1,2,3-Trichlorobenzene	ND	1.0	0.20	ug/L	10/20/14	MH	SW8260
1,2,3-Trichloropropane	ND	1.0	0.21	ug/L	10/20/14	MH	SW8260
1,2,4-Trichlorobenzene	ND	1.0	0.18	ug/L	10/20/14	MH	SW8260
1,2,4-Trimethylbenzene	ND	1.0	0.18	ug/L	10/20/14	MH	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	0.36	ug/L	10/20/14	MH	SW8260
1,2-Dibromoethane	ND	1.0	0.20	ug/L	10/20/14	MH	SW8260
1,2-Dichlorobenzene	ND	1.0	0.16	ug/L	10/20/14	MH	SW8260
1,2-Dichloroethane	ND	0.60	0.20	ug/L	10/20/14	MH	SW8260
1,2-Dichloropropane	ND	1.0	0.18	ug/L	10/20/14	MH	SW8260
1,3,5-Trimethylbenzene	ND	1.0	0.21	ug/L	10/20/14	MH	SW8260
1,3-Dichlorobenzene	ND	1.0	0.19	ug/L	10/20/14	MH	SW8260
1,3-Dichloropropane	ND	1.0	0.22	ug/L	10/20/14	MH	SW8260
1,4-Dichlorobenzene	ND	1.0	0.19	ug/L	10/20/14	MH	SW8260
2,2-Dichloropropane	ND	1.0	0.16	ug/L	10/20/14	MH	SW8260
2-Chlorotoluene	ND	1.0	0.23	ug/L	10/20/14	MH	SW8260
2-Hexanone	ND	1.0	0.27	ug/L	10/20/14	MH	SW8260
2-Isopropyltoluene	ND	1.0	0.21	ug/L	10/20/14	MH	SW8260
4-Chlorotoluene	ND	1.0	0.16	ug/L	10/20/14	MH	SW8260
4-Methyl-2-pentanone	ND	1.0	0.19	ug/L	10/20/14	MH	SW8260
Acetone	4.3	JS 5.0	0.31	ug/L	10/20/14	MH	SW8260
Acrolein	ND	5.0	0.95	ug/L	10/20/14	MH	SW8260
Acrylonitrile	ND	5.0	0.17	ug/L	10/20/14	MH	SW8260
Benzene	ND	0.70	0.19	ug/L	10/20/14	MH	SW8260
Bromobenzene	ND	1.0	0.20	ug/L	10/20/14	MH	SW8260
Bromochloromethane	ND	1.0	0.22	ug/L	10/20/14	MH	SW8260
Bromodichloromethane	ND	1.0	0.16	ug/L	10/20/14	MH	SW8260
Bromoform	ND	5.0	0.10	ug/L	10/20/14	MH	SW8260
Bromomethane	ND	5.0	0.50	ug/L	10/20/14	MH	SW8260
Carbon Disulfide	ND	1.0	0.24	ug/L	10/20/14	MH	SW8260
Carbon tetrachloride	ND	1.0	0.23	ug/L	10/20/14	MH	SW8260
Chlorobenzene	ND	5.0	0.20	ug/L	10/20/14	MH	SW8260
Chloroethane	ND	5.0	0.24	ug/L	10/20/14	MH	SW8260
Chloroform	1.1	J 5.0	0.22	ug/L	10/20/14	MH	SW8260
Chloromethane	ND	5.0	0.21	ug/L	10/20/14	MH	SW8260
cis-1,2-Dichloroethene	0.64	J 1.0	0.23	ug/L	10/20/14	MH	SW8260
cis-1,3-Dichloropropene	ND	0.40	0.15	ug/L	10/20/14	MH	SW8260
Dibromochloromethane	ND	1.0	0.15	ug/L	10/20/14	MH	SW8260
Dibromomethane	ND	1.0	0.23	ug/L	10/20/14	MH	SW8260
Dichlorodifluoromethane	ND	1.0	0.26	ug/L	10/20/14	MH	SW8260
Ethylbenzene	ND	1.0	0.19	ug/L	10/20/14	MH	SW8260
Hexachlorobutadiene	ND	0.5	0.13	ug/L	10/20/14	MH	SW8260
Isopropylbenzene	ND	1.0	0.22	ug/L	10/20/14	MH	SW8260
m&p-Xylene	ND	1.0	0.42	ug/L	10/20/14	MH	SW8260
Methyl ethyl ketone	ND	1.0	0.50	ug/L	10/20/14	MH	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	0.19	ug/L	10/20/14	MH	SW8260
Methylene chloride	ND	3.0	0.16	ug/L	10/20/14	MH	SW8260
Naphthalene	ND	1.0	0.19	ug/L	10/20/14	MH	SW8260

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
n-Butylbenzene	ND	1.0	0.22	ug/L	10/20/14	MH	SW8260
n-Propylbenzene	ND	1.0	0.20	ug/L	10/20/14	MH	SW8260
o-Xylene	ND	1.0	0.45	ug/L	10/20/14	MH	SW8260
p-Isopropyltoluene	ND	1.0	0.21	ug/L	10/20/14	MH	SW8260
sec-Butylbenzene	ND	1.0	0.22	ug/L	10/20/14	MH	SW8260
Styrene	ND	1.0	0.41	ug/L	10/20/14	MH	SW8260
tert-Butylbenzene	ND	1.0	0.23	ug/L	10/20/14	MH	SW8260
Tetrachloroethene	13	1.0	0.24	ug/L	10/20/14	MH	SW8260
Tetrahydrofuran (THF)	ND	5.0	0.51	ug/L	10/20/14	MH	SW8260
Toluene	ND	1.0	0.20	ug/L	10/20/14	MH	SW8260
trans-1,2-Dichloroethene	ND	5.0	0.20	ug/L	10/20/14	MH	SW8260
trans-1,3-Dichloropropene	ND	0.40	0.14	ug/L	10/20/14	MH	SW8260
trans-1,4-dichloro-2-butene	ND	1.0	0.45	ug/L	10/20/14	MH	SW8260
Trichloroethene	0.74	J 1.0	0.18	ug/L	10/20/14	MH	SW8260
Trichlorofluoromethane	ND	1.0	0.23	ug/L	10/20/14	MH	SW8260
Trichlorotrifluoroethane	ND	1.0	0.23	ug/L	10/20/14	MH	SW8260
Vinyl chloride	ND	1.0	0.14	ug/L	10/20/14	MH	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	102			%	10/20/14	MH	70 - 130 %
% Bromofluorobenzene	94			%	10/20/14	MH	70 - 130 %
% Dibromofluoromethane	98			%	10/20/14	MH	70 - 130 %
% Toluene-d8	100			%	10/20/14	MH	70 - 130 %
<u>Semivolatiles</u>							
1,2,4-Trichlorobenzene	ND	5	1.6	ug/L	10/21/14	DD	SW 8270
1,2-Dichlorobenzene	ND	1.0	1	ug/L	10/21/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	5	1.7	ug/L	10/21/14	DD	SW 8270
1,3-Dichlorobenzene	ND	1.0	1	ug/L	10/21/14	DD	SW 8270
1,4-Dichlorobenzene	ND	1.0	1	ug/L	10/21/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	1.0	1	ug/L	10/21/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	1.0	1	ug/L	10/21/14	DD	SW 8270
2,4-Dichlorophenol	ND	1.0	1	ug/L	10/21/14	DD	SW 8270
2,4-Dimethylphenol	ND	1.0	1	ug/L	10/21/14	DD	SW 8270
2,4-Dinitrophenol	ND	1.0	1	ug/L	10/21/14	DD	SW 8270
2,4-Dinitrotoluene	ND	5	2.1	ug/L	10/21/14	DD	SW 8270
2,6-Dinitrotoluene	ND	5	1.7	ug/L	10/21/14	DD	SW 8270
2-Chloronaphthalene	ND	5	1.5	ug/L	10/21/14	DD	SW 8270
2-Chlorophenol	ND	1.0	1	ug/L	10/21/14	DD	SW 8270
2-Methylnaphthalene	ND	5	1.6	ug/L	10/21/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	1.0	1	ug/L	10/21/14	DD	SW 8270
2-Nitroaniline	ND	5.0	5.3	ug/L	10/21/14	DD	SW 8270
2-Nitrophenol	ND	1.0	1	ug/L	10/21/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	1.0	1	ug/L	10/21/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	5.0	2.5	ug/L	10/21/14	DD	SW 8270
3-Nitroaniline	ND	5.0	5.3	ug/L	10/21/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1.0	1	ug/L	10/21/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	5	1.5	ug/L	10/21/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	1.0	1	ug/L	10/21/14	DD	SW 8270
4-Chloroaniline	ND	3.5	2.5	ug/L	10/21/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	5	1.8	ug/L	10/21/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitroaniline	ND	5.0	1.8	ug/L	10/21/14	DD	SW 8270
4-Nitrophenol	ND	1.0	1	ug/L	10/21/14	DD	SW 8270
Acenaphthene	ND	5	1.6	ug/L	10/21/14	DD	SW 8270
Acetophenone	ND	5	1.6	ug/L	10/21/14	DD	SW 8270
Aniline	ND	3.5	3.5	ug/L	10/21/14	DD	SW 8270
Anthracene	ND	5	1.7	ug/L	10/21/14	DD	SW 8270
Benzidine	ND	4.5	3.1	ug/L	10/21/14	DD	SW 8270
Benzoic acid	ND	25	11	ug/L	10/21/14	DD	SW 8270
Benzyl butyl phthalate	ND	5	1.4	ug/L	10/21/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	5	1.5	ug/L	10/21/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	1.0	1	ug/L	10/21/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	5	1.5	ug/L	10/21/14	DD	SW 8270
Carbazole	ND	25	4.0	ug/L	10/21/14	DD	SW 8270
Dibenzofuran	ND	5	1.5	ug/L	10/21/14	DD	SW 8270
Diethyl phthalate	ND	5	1.7	ug/L	10/21/14	DD	SW 8270
Dimethylphthalate	ND	5	1.6	ug/L	10/21/14	DD	SW 8270
Di-n-butylphthalate	ND	5	1.4	ug/L	10/21/14	DD	SW 8270
Di-n-octylphthalate	ND	5	1.4	ug/L	10/21/14	DD	SW 8270
Fluoranthene	ND	5	1.7	ug/L	10/21/14	DD	SW 8270
Fluorene	ND	5	1.7	ug/L	10/21/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	5	1.6	ug/L	10/21/14	DD	SW 8270
Isophorone	ND	5	1.5	ug/L	10/21/14	DD	SW 8270
Naphthalene	ND	5	1.5	ug/L	10/21/14	DD	SW 8270
N-Nitrosodimethylamine	ND	1.0	1	ug/L	10/21/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	5	1.7	ug/L	10/21/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	5	2.0	ug/L	10/21/14	DD	SW 8270
Phenol	ND	1.0	1	ug/L	10/21/14	DD	SW 8270
Pyrene	ND	5	1.8	ug/L	10/21/14	DD	SW 8270
Pyridine	ND	10	1.3	ug/L	10/21/14	DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	78			%	10/21/14	DD	15 - 110 %
% 2-Fluorobiphenyl	59			%	10/21/14	DD	30 - 130 %
% 2-Fluorophenol	26			%	10/21/14	DD	15 - 110 %
% Nitrobenzene-d5	36			%	10/21/14	DD	30 - 130 %
% Phenol-d5	35			%	10/21/14	DD	15 - 110 %
% Terphenyl-d14	68			%	10/21/14	DD	30 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	0.53	0.53	ug/L	10/20/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.11	0.11	ug/L	10/20/14	DD	SW8270 (SIM)
Benz(a)anthracene	ND	0.02	0.02	ug/L	10/20/14	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.02	0.02	ug/L	10/20/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	10/20/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	0.02	0.02	ug/L	10/20/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	10/20/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.1	1.1	ug/L	10/20/14	DD	SW8270 (SIM)
Chrysene	ND	0.02	0.02	ug/L	10/20/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	10/20/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	10/20/14	DD	SW8270 (SIM)
Hexachlorobutadiene	ND	0.42	0.42	ug/L	10/20/14	DD	SW8270 (SIM)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Hexachloroethane	ND	0.53	0.53	ug/L	10/20/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	10/20/14	DD	SW8270 (SIM)
Nitrobenzene	ND	0.11	0.11	ug/L	10/20/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.11	0.11	ug/L	10/20/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.84	0.84	ug/L	10/20/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.11	0.11	ug/L	10/20/14	DD	SW8270 (SIM)
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	101			%	10/20/14	DD	15 - 110 %
% 2-Fluorobiphenyl	69			%	10/20/14	DD	30 - 130 %
% 2-Fluorophenol	35			%	10/20/14	DD	15 - 110 %
% Nitrobenzene-d5	44			%	10/20/14	DD	30 - 130 %
% Phenol-d5	44			%	10/20/14	DD	15 - 110 %
% Terphenyl-d14	100			%	10/20/14	DD	30 - 130 %

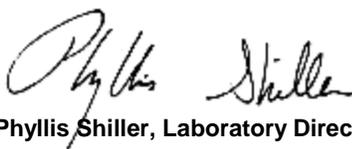
1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

October 24, 2014

Reviewed and Released by: Ethan Lee, Project Manager



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

Analysis Report

October 24, 2014

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

Sample Information

Matrix: GROUND WATER
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by:
 Received by: LPB
 Analyzed by: see "By" below

Date

10/16/14
 10/17/14

Time

0:00
 16:50

Laboratory Data

SDG ID: GBH29004
 Phoenix ID: BH29005

Project ID:
 Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/L	10/20/14	MH	SW8260
1,1,1-Trichloroethane	ND	5.0	0.19	ug/L	10/20/14	MH	SW8260
1,1,2,2-Tetrachloroethane	ND	1.0	0.15	ug/L	10/20/14	MH	SW8260
1,1,2-Trichloroethane	ND	1.0	0.20	ug/L	10/20/14	MH	SW8260
1,1-Dichloroethane	ND	5.0	0.23	ug/L	10/20/14	MH	SW8260
1,1-Dichloroethene	ND	1.0	0.24	ug/L	10/20/14	MH	SW8260
1,1-Dichloropropene	ND	1.0	0.20	ug/L	10/20/14	MH	SW8260
1,2,3-Trichlorobenzene	ND	1.0	0.20	ug/L	10/20/14	MH	SW8260
1,2,3-Trichloropropane	ND	1.0	0.21	ug/L	10/20/14	MH	SW8260
1,2,4-Trichlorobenzene	ND	1.0	0.18	ug/L	10/20/14	MH	SW8260
1,2,4-Trimethylbenzene	ND	1.0	0.18	ug/L	10/20/14	MH	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	0.36	ug/L	10/20/14	MH	SW8260
1,2-Dibromoethane	ND	1.0	0.20	ug/L	10/20/14	MH	SW8260
1,2-Dichlorobenzene	ND	1.0	0.16	ug/L	10/20/14	MH	SW8260
1,2-Dichloroethane	ND	0.60	0.20	ug/L	10/20/14	MH	SW8260
1,2-Dichloropropane	ND	1.0	0.18	ug/L	10/20/14	MH	SW8260
1,3,5-Trimethylbenzene	ND	1.0	0.21	ug/L	10/20/14	MH	SW8260
1,3-Dichlorobenzene	ND	1.0	0.19	ug/L	10/20/14	MH	SW8260
1,3-Dichloropropane	ND	1.0	0.22	ug/L	10/20/14	MH	SW8260
1,4-Dichlorobenzene	ND	1.0	0.19	ug/L	10/20/14	MH	SW8260
2,2-Dichloropropane	ND	1.0	0.16	ug/L	10/20/14	MH	SW8260
2-Chlorotoluene	ND	1.0	0.23	ug/L	10/20/14	MH	SW8260
2-Hexanone	ND	1.0	0.27	ug/L	10/20/14	MH	SW8260
2-Isopropyltoluene	ND	1.0	0.21	ug/L	10/20/14	MH	SW8260
4-Chlorotoluene	ND	1.0	0.16	ug/L	10/20/14	MH	SW8260
4-Methyl-2-pentanone	ND	1.0	0.19	ug/L	10/20/14	MH	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Acetone	2.1	JS	5.0	0.31	ug/L	10/20/14	MH SW8260
Acrolein	ND		5.0	0.95	ug/L	10/20/14	MH SW8260
Acrylonitrile	ND		5.0	0.17	ug/L	10/20/14	MH SW8260
Benzene	ND		0.70	0.19	ug/L	10/20/14	MH SW8260
Bromobenzene	ND		1.0	0.20	ug/L	10/20/14	MH SW8260
Bromochloromethane	ND		1.0	0.22	ug/L	10/20/14	MH SW8260
Bromodichloromethane	ND		1.0	0.16	ug/L	10/20/14	MH SW8260
Bromoform	ND		5.0	0.10	ug/L	10/20/14	MH SW8260
Bromomethane	ND		5.0	0.50	ug/L	10/20/14	MH SW8260
Carbon Disulfide	ND		1.0	0.24	ug/L	10/20/14	MH SW8260
Carbon tetrachloride	ND		1.0	0.23	ug/L	10/20/14	MH SW8260
Chlorobenzene	ND		5.0	0.20	ug/L	10/20/14	MH SW8260
Chloroethane	ND		5.0	0.24	ug/L	10/20/14	MH SW8260
Chloroform	ND		5.0	0.22	ug/L	10/20/14	MH SW8260
Chloromethane	ND		5.0	0.21	ug/L	10/20/14	MH SW8260
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L	10/20/14	MH SW8260
cis-1,3-Dichloropropene	ND		0.40	0.15	ug/L	10/20/14	MH SW8260
Dibromochloromethane	ND		1.0	0.15	ug/L	10/20/14	MH SW8260
Dibromomethane	ND		1.0	0.23	ug/L	10/20/14	MH SW8260
Dichlorodifluoromethane	ND		1.0	0.26	ug/L	10/20/14	MH SW8260
Ethylbenzene	ND		1.0	0.19	ug/L	10/20/14	MH SW8260
Hexachlorobutadiene	ND		0.5	0.13	ug/L	10/20/14	MH SW8260
Isopropylbenzene	ND		1.0	0.22	ug/L	10/20/14	MH SW8260
m&p-Xylene	ND		1.0	0.42	ug/L	10/20/14	MH SW8260
Methyl ethyl ketone	ND		1.0	0.50	ug/L	10/20/14	MH SW8260
Methyl t-butyl ether (MTBE)	ND		1.0	0.19	ug/L	10/20/14	MH SW8260
Methylene chloride	0.69	JS	3.0	0.16	ug/L	10/20/14	MH SW8260
Naphthalene	ND		1.0	0.19	ug/L	10/20/14	MH SW8260
n-Butylbenzene	ND		1.0	0.22	ug/L	10/20/14	MH SW8260
n-Propylbenzene	ND		1.0	0.20	ug/L	10/20/14	MH SW8260
o-Xylene	ND		1.0	0.45	ug/L	10/20/14	MH SW8260
p-Isopropyltoluene	ND		1.0	0.21	ug/L	10/20/14	MH SW8260
sec-Butylbenzene	ND		1.0	0.22	ug/L	10/20/14	MH SW8260
Styrene	ND		1.0	0.41	ug/L	10/20/14	MH SW8260
tert-Butylbenzene	ND		1.0	0.23	ug/L	10/20/14	MH SW8260
Tetrachloroethene	ND		1.0	0.24	ug/L	10/20/14	MH SW8260
Tetrahydrofuran (THF)	ND		5.0	0.51	ug/L	10/20/14	MH SW8260
Toluene	ND		1.0	0.20	ug/L	10/20/14	MH SW8260
trans-1,2-Dichloroethene	ND		5.0	0.20	ug/L	10/20/14	MH SW8260
trans-1,3-Dichloropropene	ND		0.40	0.14	ug/L	10/20/14	MH SW8260
trans-1,4-dichloro-2-butene	ND		1.0	0.45	ug/L	10/20/14	MH SW8260
Trichloroethene	ND		1.0	0.18	ug/L	10/20/14	MH SW8260
Trichlorofluoromethane	ND		1.0	0.23	ug/L	10/20/14	MH SW8260
Trichlorotrifluoroethane	ND		1.0	0.23	ug/L	10/20/14	MH SW8260
Vinyl chloride	ND		1.0	0.14	ug/L	10/20/14	MH SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101			%	10/20/14	MH	70 - 130 %
% Bromofluorobenzene	95			%	10/20/14	MH	70 - 130 %
% Dibromofluoromethane	98			%	10/20/14	MH	70 - 130 %

Project ID:
Client ID: TRIP BLANK

Phoenix I.D.: BH29005

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Toluene-d8	100			%	10/20/14	MH	70 - 130 %

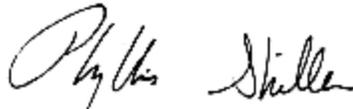
1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

TRIP BLANK INCLUDED.

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Phyllis Shiller, Laboratory Director

October 24, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.
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QA/QC Report

October 24, 2014

QA/QC Data

SDG I.D.: GBH29004

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 289703, QC Sample No: BH28125 (BH29004)													
Mercury (Dissolved)	BRL	<0.0002	<0.0003	NC	102	96.7	5.3	95.9	94.8	1.2	70 - 130	20	
Comment: Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 289663, QC Sample No: BH28909 (BH29004)													
Antimony (Dissolved)	BRL	<0.003	<0.005	NC	93.9	103	9.2	117	114	2.6	75 - 125	20	
Selenium (Dissolved)	BRL	<0.002	<0.011	NC	108	110	1.8	95.1	96.5	1.5	75 - 125	20	
Thallium (Dissolved)	BRL	<0.001	<0.005	NC	105	105	0.0	102	104	1.9	75 - 125	20	
QA/QC Batch 289662, QC Sample No: BH29004 (BH29004)													
<u>ICP Metals - Dissolved</u>													
Aluminum	BRL	0.87	0.91	4.50	99.4	97.2	2.2	>130	>130	NC	75 - 125	20	m
Arsenic	BRL	<0.003	<0.004	NC	101	98.2	2.8	96.6	96.2	0.4	75 - 125	20	
Barium	BRL	0.062	0.062	0	99.1	96.6	2.6	97.8	97.2	0.6	75 - 125	20	
Beryllium	BRL	<0.001	<0.001	NC	99.2	96.6	2.7	97.1	96.8	0.3	75 - 125	20	
Cadmium	BRL	<0.004	<0.001	NC	103	101	2.0	97.6	97.0	0.6	75 - 125	20	
Calcium	BRL	36.6	36.7	0.30	101	99.1	1.9	NC	NC	NC	75 - 125	20	
Chromium	BRL	0.003	0.003	NC	105	102	2.9	97.1	96.1	1.0	75 - 125	20	
Cobalt	BRL	<0.005	0.003	NC	100	97.6	2.4	96.2	95.6	0.6	75 - 125	20	
Copper	BRL	0.007	0.007	NC	101	99.1	1.9	98.4	97.6	0.8	75 - 125	20	
Iron	BRL	1.72	1.74	1.20	101	98.1	2.9	>130	>130	NC	75 - 125	20	m
Lead	BRL	<0.002	<0.002	NC	101	98.5	2.5	95.8	95.4	0.4	75 - 125	20	
Magnesium	BRL	13.7	13.7	0	101	97.6	3.4	NC	NC	NC	75 - 125	20	
Manganese	BRL	0.399	0.398	0.30	104	101	2.9	95.9	95.5	0.4	75 - 125	20	
Nickel	BRL	0.016	0.016	NC	100	97.7	2.3	96.1	95.5	0.6	75 - 125	20	
Potassium	BRL	4.4	4.5	2.20	110	107	2.8	110	111	0.9	75 - 125	20	
Silver	BRL	<0.005	<0.001	NC	96.7	93.6	3.3	93.4	93.2	0.2	75 - 125	20	
Sodium	BRL	44.0	44.4	0.90	108	106	1.9	NC	NC	NC	75 - 125	20	
Vanadium	BRL	<0.011	0.003	NC	98.0	95.2	2.9	95.3	94.7	0.6	75 - 125	20	
Zinc	BRL	0.014	0.014	NC	99.1	96.4	2.8	95.0	94.3	0.7	75 - 125	20	

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



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



QA/QC Report

October 24, 2014

QA/QC Data

SDG I.D.: GBH29004

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 289668, QC Sample No: BH29004 (BH29004)									
<u>Polychlorinated Biphenyls - Ground Water</u>									
PCB-1016	ND	90	92	2.2				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	101	96	5.1				40 - 140	20
PCB-1262	ND							40 - 140	20
PCB-1268	ND							40 - 140	20
% DCBP (Surrogate Rec)	54	68	57	17.6				30 - 150	20
% TCMX (Surrogate Rec)	72	85	87	2.3				30 - 150	20

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 289568, QC Sample No: BH29004 (BH29004)

Semivolatiles - Ground Water

1,2,4,5-Tetrachlorobenzene	ND	70	71	1.4				30 - 130	20
1,2,4-Trichlorobenzene	ND	64	66	3.1				30 - 130	20
1,2-Dichlorobenzene	ND	49	49	0.0				30 - 130	20
1,2-Diphenylhydrazine	ND	64	64	0.0				30 - 130	20
1,3-Dichlorobenzene	ND	47	46	2.2				30 - 130	20
1,4-Dichlorobenzene	ND	47	47	0.0				30 - 130	20
2,4,5-Trichlorophenol	ND	94	97	3.1				30 - 130	20
2,4,6-Trichlorophenol	ND	86	87	1.2				30 - 130	20
2,4-Dichlorophenol	ND	79	80	1.3				30 - 130	20
2,4-Dimethylphenol	ND	79	79	0.0				30 - 130	20
2,4-Dinitrophenol	ND	>200	>200	NC				30 - 130	20
2,4-Dinitrotoluene	ND	108	110	1.8				30 - 130	20
2,6-Dinitrotoluene	ND	99	101	2.0				30 - 130	20
2-Chloronaphthalene	ND	76	76	0.0				30 - 130	20
2-Chlorophenol	ND	60	59	1.7				30 - 130	20
2-Methylnaphthalene	ND	74	75	1.3				30 - 130	20
2-Methylphenol (o-cresol)	ND	68	67	1.5				30 - 130	20
2-Nitroaniline	ND	97	100	3.0				30 - 130	20
2-Nitrophenol	ND	68	69	1.5				30 - 130	20
3&4-Methylphenol (m&p-cresol)	ND	74	73	1.4				30 - 130	20
3,3'-Dichlorobenzidine	ND	<10	<10	NC				30 - 130	20
3-Nitroaniline	ND	84	68	21.1				30 - 130	20
4,6-Dinitro-2-methylphenol	ND	183	187	2.2				30 - 130	20
4-Bromophenyl phenyl ether	ND	82	83	1.2				30 - 130	20
4-Chloro-3-methylphenol	ND	97	100	3.0				30 - 130	20

QA/QC Data

SDG I.D.: GBH29004

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
4-Chloroaniline	ND	23	14	48.6				30 - 130	20	l,r
4-Chlorophenyl phenyl ether	ND	74	74	0.0				30 - 130	20	
4-Nitroaniline	ND	91	92	1.1				30 - 130	20	
4-Nitrophenol	ND	112	115	2.6				15 - 130	20	
Acenaphthene	ND	76	76	0.0				30 - 130	20	
Acenaphthylene	ND	54	52	3.8				30 - 130	20	
Acetophenone	ND	63	63	0.0				30 - 130	20	
Aniline	ND	<10	<10	NC				30 - 130	20	l
Anthracene	ND	82	82	0.0				30 - 130	20	
Benz(a)anthracene	ND	92	94	2.2				30 - 130	20	
Benzidine	ND	<10	<10	NC				30 - 130	20	l
Benzo(a)pyrene	ND	86	99	14.1				30 - 130	20	
Benzo(b)fluoranthene	ND	110	128	15.1				30 - 130	20	
Benzo(ghi)perylene	ND	103	122	16.9				30 - 130	20	
Benzo(k)fluoranthene	ND	94	114	19.2				30 - 130	20	
Benzoic acid	ND	79	98	21.5				30 - 130	20	r
Benzyl butyl phthalate	ND	91	93	2.2				30 - 130	20	
Bis(2-chloroethoxy)methane	ND	43	41	4.8				30 - 130	20	
Bis(2-chloroethyl)ether	ND	66	60	9.5				30 - 130	20	
Bis(2-chloroisopropyl)ether	ND	47	46	2.2				30 - 130	20	
Bis(2-ethylhexyl)phthalate	ND	74	74	0.0				30 - 130	20	
Carbazole	ND	93	84	10.2				30 - 130	20	
Chrysene	ND	101	102	1.0				30 - 130	20	
Dibenz(a,h)anthracene	ND	106	127	18.0				30 - 130	20	
Dibenzofuran	ND	82	82	0.0				30 - 130	20	
Diethyl phthalate	ND	89	89	0.0				30 - 130	20	
Dimethylphthalate	ND	89	90	1.1				30 - 130	20	
Di-n-butylphthalate	ND	87	85	2.3				30 - 130	20	
Di-n-octylphthalate	ND	95	94	1.1				30 - 130	20	
Fluoranthene	ND	88	87	1.1				30 - 130	20	
Fluorene	ND	79	79	0.0				30 - 130	20	
Hexachlorobenzene	ND	81	82	1.2				30 - 130	20	
Hexachlorobutadiene	ND	54	55	1.8				30 - 130	20	
Hexachlorocyclopentadiene	ND	44	45	2.2				30 - 130	20	
Hexachloroethane	ND	46	46	0.0				30 - 130	20	
Indeno(1,2,3-cd)pyrene	ND	103	122	16.9				30 - 130	20	
Isophorone	ND	73	74	1.4				30 - 130	20	
Naphthalene	ND	66	66	0.0				30 - 130	20	
Nitrobenzene	ND	63	63	0.0				30 - 130	20	
N-Nitrosodimethylamine	ND	49	50	2.0				30 - 130	20	
N-Nitrosodi-n-propylamine	ND	70	71	1.4				30 - 130	20	
N-Nitrosodiphenylamine	ND	77	74	4.0				30 - 130	20	
Pentachloronitrobenzene	ND	86	85	1.2				30 - 130	20	
Pentachlorophenol	ND	102	103	1.0				30 - 130	20	
Phenanthrene	ND	86	86	0.0				30 - 130	20	
Phenol	ND	60	60	0.0				15 - 130	20	
Pyrene	ND	85	85	0.0				30 - 130	20	
Pyridine	ND	24	27	11.8				30 - 130	20	l
% 2,4,6-Tribromophenol	84	78	77	1.3				15 - 110	20	
% 2-Fluorobiphenyl	46	71	70	1.4				30 - 130	20	
% 2-Fluorophenol	33	45	45	0.0				15 - 110	20	
% Nitrobenzene-d5	40	60	60	0.0				30 - 130	20	
% Phenol-d5	37	54	54	0.0				15 - 110	20	

QA/QC Data

SDG I.D.: GBH29004

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% Terphenyl-d14	91	90	89	1.1				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%)

QA/QC Batch 289856, QC Sample No: BH29005 (BH29004, BH29005)

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	102	116	12.8	114	113	0.9	70 - 130	30
1,1,1-Trichloroethane	ND	97	108	10.7	110	107	2.8	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	105	117	10.8	109	107	1.9	70 - 130	30
1,1,2-Trichloroethane	ND	98	112	13.3	111	110	0.9	70 - 130	30
1,1-Dichloroethane	ND	98	111	12.4	109	106	2.8	70 - 130	30
1,1-Dichloroethene	ND	98	110	11.5	112	109	2.7	70 - 130	30
1,1-Dichloropropene	ND	97	109	11.7	110	108	1.8	70 - 130	30
1,2,3-Trichlorobenzene	ND	107	110	2.8	108	115	6.3	70 - 130	30
1,2,3-Trichloropropane	ND	99	109	9.6	103	103	0.0	70 - 130	30
1,2,4-Trichlorobenzene	ND	105	112	6.5	111	115	3.5	70 - 130	30
1,2,4-Trimethylbenzene	ND	95	106	10.9	110	109	0.9	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	107	113	5.5	119	119	0.0	70 - 130	30
1,2-Dibromoethane	ND	101	115	13.0	113	110	2.7	70 - 130	30
1,2-Dichlorobenzene	ND	99	109	9.6	111	109	1.8	70 - 130	30
1,2-Dichloroethane	ND	101	113	11.2	110	109	0.9	70 - 130	30
1,2-Dichloropropane	ND	99	113	13.2	108	108	0.0	70 - 130	30
1,3,5-Trimethylbenzene	ND	98	110	11.5	109	109	0.0	70 - 130	30
1,3-Dichlorobenzene	ND	99	111	11.4	110	110	0.0	70 - 130	30
1,3-Dichloropropane	ND	101	112	10.3	110	109	0.9	70 - 130	30
1,4-Dichlorobenzene	ND	98	108	9.7	110	109	0.9	70 - 130	30
2,2-Dichloropropane	ND	97	117	18.7	99	95	4.1	70 - 130	30
2-Chlorotoluene	ND	98	111	12.4	109	110	0.9	70 - 130	30
2-Hexanone	ND	91	94	3.2	96	98	2.1	70 - 130	30
2-Isopropyltoluene	ND	92	102	10.3	102	102	0.0	70 - 130	30
4-Chlorotoluene	ND	98	109	10.6	110	107	2.8	70 - 130	30
4-Methyl-2-pentanone	ND	90	100	10.5	101	101	0.0	70 - 130	30
Acetone	ND	86	90	4.5	92	93	1.1	70 - 130	30
Acrolein	ND	96	105	9.0	109	107	1.9	70 - 130	30
Acrylonitrile	ND	94	108	13.9	102	105	2.9	70 - 130	30
Benzene	ND	100	114	13.1	110	109	0.9	70 - 130	30
Bromobenzene	ND	98	109	10.6	108	108	0.0	70 - 130	30
Bromochloromethane	ND	103	113	9.3	115	110	4.4	70 - 130	30
Bromodichloromethane	ND	103	117	12.7	111	110	0.9	70 - 130	30
Bromoform	ND	112	127	12.6	123	121	1.6	70 - 130	30
Bromomethane	ND	138	158	13.5	116	143	20.8	70 - 130	30
Carbon Disulfide	ND	93	106	13.1	103	102	1.0	70 - 130	30
Carbon tetrachloride	ND	97	110	12.6	112	109	2.7	70 - 130	30
Chlorobenzene	ND	98	109	10.6	110	110	0.0	70 - 130	30
Chloroethane	ND	112	130	14.9	123	119	3.3	70 - 130	30
Chloroform	ND	92	100	8.3	97	99	2.0	70 - 130	30
Chloromethane	ND	119	136	13.3	119	115	3.4	70 - 130	30
cis-1,2-Dichloroethene	ND	99	110	10.5	112	106	5.5	70 - 130	30
cis-1,3-Dichloropropene	ND	104	117	11.8	108	106	1.9	70 - 130	30
Dibromochloromethane	ND	107	117	8.9	116	114	1.7	70 - 130	30
Dibromomethane	ND	101	113	11.2	112	110	1.8	70 - 130	30
Dichlorodifluoromethane	ND	114	119	4.3	116	111	4.4	70 - 130	30

l,m

l

QA/QC Data

SDG I.D.: GBH29004

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Ethylbenzene	ND	99	111	11.4	111	110	0.9	70 - 130	30
Hexachlorobutadiene	ND	101	112	10.3	109	111	1.8	70 - 130	30
Isopropylbenzene	ND	97	109	11.7	108	108	0.0	70 - 130	30
m&p-Xylene	ND	99	110	10.5	112	111	0.9	70 - 130	30
Methyl ethyl ketone	ND	91	98	7.4	99	97	2.0	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	92	103	11.3	101	97	4.0	70 - 130	30
Methylene chloride	ND	94	105	11.1	103	101	2.0	70 - 130	30
Naphthalene	ND	105	109	3.7	112	115	2.6	70 - 130	30
n-Butylbenzene	ND	95	107	11.9	106	107	0.9	70 - 130	30
n-Propylbenzene	ND	91	102	11.4	107	106	0.9	70 - 130	30
o-Xylene	ND	100	112	11.3	111	111	0.0	70 - 130	30
p-Isopropyltoluene	ND	97	109	11.7	109	109	0.0	70 - 130	30
sec-Butylbenzene	ND	98	110	11.5	107	107	0.0	70 - 130	30
Styrene	ND	102	114	11.1	114	112	1.8	70 - 130	30
tert-Butylbenzene	ND	96	108	11.8	108	108	0.0	70 - 130	30
Tetrachloroethene	ND	96	108	11.8	110	109	0.9	70 - 130	30
Tetrahydrofuran (THF)	ND	91	103	12.4	100	94	6.2	70 - 130	30
Toluene	ND	98	112	13.3	110	109	0.9	70 - 130	30
trans-1,2-Dichloroethene	ND	102	113	10.2	112	108	3.6	70 - 130	30
trans-1,3-Dichloropropene	ND	106	123	14.8	109	107	1.9	70 - 130	30
trans-1,4-dichloro-2-butene	ND	99	113	13.2	95	94	1.1	70 - 130	30
Trichloroethene	ND	100	114	13.1	113	113	0.0	70 - 130	30
Trichlorofluoromethane	ND	106	114	7.3	114	111	2.7	70 - 130	30
Trichlorotrifluoroethane	ND	90	92	2.2	96	96	0.0	70 - 130	30
Vinyl chloride	ND	113	128	12.4	121	112	7.7	70 - 130	30
% 1,2-dichlorobenzene-d4	101	100	100	0.0	101	100	1.0	70 - 130	30
% Bromofluorobenzene	94	100	99	1.0	99	99	0.0	70 - 130	30
% Dibromofluoromethane	99	100	98	2.0	97	97	0.0	70 - 130	30
% Toluene-d8	101	99	100	1.0	97	98	1.0	70 - 130	30

Comment:

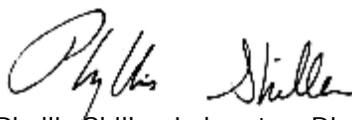
A blank MS/MSD was analyzed with this batch.

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

- l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
- m = This parameter is outside laboratory ms/msd specified recovery limits.
- r = This parameter is outside laboratory rpd 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
 October 24, 2014

Sample Criteria Exceedences Report

Criteria: NY: GW

GBH29004 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Criteria	Analysis Units
BH29004	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	0.0006	ug/L
BH29004	\$8260DP25R	Tetrachloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	13	1.0	5	5	5	ug/L
BH29004	\$8260DP25R	Tetrachloroethene	NY / TOGS - Water Quality / GA Criteria	13	1.0	5	5	5	ug/L
BH29004	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	0.04	ug/L
BH29004	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	0.04	ug/L
BH29004	\$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	0.002	ug/L
BH29004	\$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	0.002	ug/L
BH29004	\$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	0.002	ug/L
BH29004	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	0.002	ug/L
BH29004	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	0.002	ug/L
BH29004	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	0.002	ug/L
BH29004	\$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	0.002	ug/L
BH29004	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	0.002	ug/L
BH29004	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	0.002	ug/L
BH29004	\$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	0.002	ug/L
BH29004	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	0.002	ug/L
BH29004	\$PEST_GAWN	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.06	0.06	0.06	ug/L
BH29004	D-AL	Aluminum (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.87	0.01	0.1	0.1	0.1	mg/L
BH29004	DFE-WMDP	Iron, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	1.72	0.01	0.3	0.3	0.3	mg/L
BH29004	DMN-WMDP	Manganese, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.399	0.005	0.3	0.3	0.3	mg/L
BH29004	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	44.0	0.11	20	20	20	mg/L
BH29005	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	0.0006	ug/L
BH29005	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	0.04	ug/L
BH29005	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	0.04	ug/L

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

October 24, 2014

SDG I.D.: GBH29004

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

Coolant: Yes No
 Cooler: Yes No
 IPK ICE

Temp 46 °F of Pg of

Contact Options:

Fax:
 Phone:
 Email:

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



Customer: ESD
 Address: Rt. 108, Middle Country Rd

Project:
 Report to:
 Invoice to:

Project P.O.:
 This section **MUST** be completed with **Bottle Quantities.**

Client Sample - Information - Identification
 Sampler's Signature: [Signature] Date: 10-16-14
 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

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Analysis Request
20004	ww-1	GW	10-16	1130	W-1, B-2, B-3, B-4, B-5, B-6, B-7, B-8, B-9, B-10, B-11, B-12, B-13, B-14, B-15, B-16, B-17, B-18, B-19, B-20, B-21, B-22, B-23, B-24, B-25, B-26, B-27, B-28, B-29, B-30, B-31, B-32, B-33, B-34, B-35, B-36, B-37, B-38, B-39, B-40, B-41, B-42, B-43, B-44, B-45, B-46, B-47, B-48, B-49, B-50, B-51, B-52, B-53, B-54, B-55, B-56, B-57, B-58, B-59, B-60, B-61, B-62, B-63, B-64, B-65, B-66, B-67, B-68, B-69, B-70, B-71, B-72, B-73, B-74, B-75, B-76, B-77, B-78, B-79, B-80, B-81, B-82, B-83, B-84, B-85, B-86, B-87, B-88, B-89, B-90, B-91, B-92, B-93, B-94, B-95, B-96, B-97, B-98, B-99, B-100
20005	ww-1	GW	10-16	1130	W-1, B-2, B-3, B-4, B-5, B-6, B-7, B-8, B-9, B-10, B-11, B-12, B-13, B-14, B-15, B-16, B-17, B-18, B-19, B-20, B-21, B-22, B-23, B-24, B-25, B-26, B-27, B-28, B-29, B-30, B-31, B-32, B-33, B-34, B-35, B-36, B-37, B-38, B-39, B-40, B-41, B-42, B-43, B-44, B-45, B-46, B-47, B-48, B-49, B-50, B-51, B-52, B-53, B-54, B-55, B-56, B-57, B-58, B-59, B-60, B-61, B-62, B-63, B-64, B-65, B-66, B-67, B-68, B-69, B-70, B-71, B-72, B-73, B-74, B-75, B-76, B-77, B-78, B-79, B-80, B-81, B-82, B-83, B-84, B-85, B-86, B-87, B-88, B-89, B-90, B-91, B-92, B-93, B-94, B-95, B-96, B-97, B-98, B-99, B-100

Requisitioned by: [Signature] Accepted by: [Signature]
 Date: 10-17-14 Time: 11:50
 Date: 10-17-14 Time: 10:50

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: NJ

Comments, Special Requirements or Regulations: