26 WEST STREET

BROOKLYN, NEW YORK 11222

Remedial Investigation Report

NYC VCP Site Number: 15CVCPK044K

OER Site Number: 15EHAN098K

Prepared for:

The Rabsky Group

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Prepared by:

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

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NOVEMBER 2014

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LIST OF ACRONYMS

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

CERTIFICATION

I, 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 26 West Street, Brooklyn, NY, (NYC VCP Site No. 15CVCP044K). 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 26 West Street in the Greenpoint section of Brooklyn, New York, and is currently identified as Block 2571, Lot 1 on the New York City Tax Map. Figure 1 shows the Site location. Lot 1 is corner through lot located on the east side of West Street between Oak Street and Calyer Street. Lot 1 consists of 200 feet of street frontage on West Street, 100 feet of street frontage on Calyer Street and 75 feet of street frontage on Oak Street for a total of approximately 18,125 ft^2 (0.42 acres). The Site is bordered by 1 & 2 family homes to the east, Oak Street to the north, West Street to the west, and Calyer Street to the south. A map of the site boundary is shown on Figure 2.

Currently, the Site is improved with a vacant 1 story office building/warehouse and an asphalt paved parking lot. The office building was recently used by a commercial air conditioning company and as office building.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of a new 6-story apartment building. The development project consists of redeveloping the entire footprint of the lot with a new 6-story residential building. The building will have two separate cellar areas, but approximately two-thirds of the lot will consist of slab on grade construction. Both cellar areas will consist of bicycle storage rooms, storage rooms, an amenity room, the water meter rooms, gas meter rooms, electric meter rooms, the building super's office, and compactor rooms.

Excavation for both cellar levels will extend to at least 11 feet below grade. Excavation of the top 1 to 2 feet will occur across the remainder of the Site for construction of the building's slab on grade areas. An estimated 2,500 cubic yards (3,750 tons) of soil will be removed for the two

cellar areas, and an additional 500 cubic yards (750 tons) of soil will require removal for the slab-on-grade areas.

Layout of the redevelopment plans for the cellar, and first floor is presented in Figure 3. The current zoning designation is M1-2/R6A. The proposed use is consistent with existing zoning for the property.

Summary of Past Uses of Site and Areas of Concern

A Phase I Environmental Site Assessment was performed by ENVIRON International Corporation in January of 2014. The past operations conducted the Site according to the Phase I Report are the following: The Site was utilized as a warehouse (1880s-1900s), for iron working (1900s-1910s), as a lumber yard (1930s-1960s), and vehicle repair, sale of auto supplies, vehicle rental, vehicle storage and a trade school (1970s-1980s).

The Phase I Report identified no recognized environmental conditions (RECs) in connection with the Site.

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

1. The presence of historic fill material to depths as great as 4 feet.

Summary of the Work Performed under the Remedial Investigation

EBC performed the following scope of work at the Site:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed eight soil borings across the Site, and collected 16 soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed four groundwater monitoring wells throughout the Site and collected four groundwater samples for chemical analysis to evaluate groundwater quality; and
4. Installed seven soil vapor implants and collected seven soil vapor samples for chemical analysis.

Summary of Environmental Findings

1. The elevation of the Site is approximately 10 feet.
2. Depth to groundwater is approximately 9 feet below sidewalk grade.
3. Groundwater flow is generally west.
4. Depth to bedrock is at the Site is greater than 100 feet.
5. The stratigraphy of the Site consists of historic fill material to depths as great as 4 feet, underlain by native brown silty sand.
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 methylene chloride (maximum [max] of 6.2 µg/kg), acetone (12 µg/kg), and naphthalene (140 µg/kg), all below Unrestricted Use SCOs. Six SVOCs, including benz(a)anthracene (max of 9,100 µg/kg), benzo(a)pyrene (max of 9,700 µg/kg), benzo(b)-fluoranthene (max of 12,000 µg/kg), benzo(k)fluoranthene (max of 4,300 µg/kg), chrysene (max of 9,100 µg/kg), and indeno(1,2,3-cd)pyrene (maximum of 4,500 µg/kg), were detected above Restricted Residential Use SCOs within four of the eight shallow soil samples. The pesticide 4,4'-DDD (56 µg/kg) was detected within one of the shallow soil samples exceeding Unrestricted Use SCOs but below Restricted Residential Use SCOs. PCB-1248 (270 µg/kg) exceeded Unrestricted Use SCOs in one shallow soil sample. Four metals including copper (max of 55.1 mg/kg), lead (max of 801 mg/kg), mercury (max of 1.08 mg/kg), and zinc (max of 272 mg/kg) exceeded Unrestricted Use SCOs within shallow soil samples. Of these metals, lead and mercury also exceeded Restricted Residential Use SCOs. No VOCs, SVOCs, pesticides, PCBs or metals were detected above Unrestricted Use SCOs within any of the deeper soil samples. 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. No VOCs were detected above GQS, but the following VOCs were detected at trace amounts; acetone (max of 3.2 µg/L), naphthalene (0.32 µg/L), and trichloroethene (0.27 µg/L). Five SVOCs, including benz(a)anthracene (max of 0.06 µg/L), benzo(b)fluroanthene (max of 0.06 µg/L), benzo(k)fluroanthene

(0.03 µg/L), chrysene (max of 0.06 µg/L), and indeno(1,2,3-cd)pyrene (0.02 µg/L) were detected above GQS in three of the four groundwater samples. Several metals were identified, but only iron, manganese and sodium exceeded their respective GQS in all four filtered groundwater samples. No pesticides or PCBs were detected in the groundwater samples.

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 67 $\mu g/m^3$ to 235 $\mu g/m^3$. Highest concentrations were reported for ethanol (maximum of 591 $\mu g/m^3$). The chlorinated VOC, trichloroethylene (TCE) was detected in six of the seven soil gas samples ranging in concentration from 0.268 to 8.32 $\mu g/m^3$. Tetrachloroethylene was detected in all seven soil gas samples ranging in concentration from 2.44 to 10.2 $\mu g/m^3$. Carbon tetrachloride was detected in one of the seven soil gas samples at a concentration of 0.314 $\mu g/m^3$ and 1,1,1-trichloroethane (maximum of 6.6 $\mu g/m^3$) was detected within two of the seven 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, with the exception of trichloroethene which was detected in one of the seven soil gas samples above the monitoring level range.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

The Rabsky Group has applied to enroll in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 0.42-acre Site located at 26 West Street in the Greenpoint section of Brooklyn, New York. The Site will be redeveloped with a 6-story residential apartment building. The portion of the RI work conducted on the Site was conducted in May and 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 26 West Street in the Greenpoint section of Brooklyn, New York, and is currently identified as Block 2571, Lot 1 on the New York City Tax Map. Figure 1 shows the Site location. Lot 1 is corner through lot located on the east side of West Street between Oak Street and Calyer Street. Lot 1 consists of 200 feet of street frontage on West Street, 100 feet of street frontage on Calyer Street and 75 feet of street frontage on Oak Street for a total of approximately 18,125 ft^2 (0.42 acres). The Site is bordered by 1 & 2 family homes to the east, Oak Street to the north, West Street to the west, and Calyer Street to the south. A map of the site boundary is shown on Figure 2.

Currently, the Site is improved with a vacant 1 story office building/warehouse and an asphalt paved parking lot. The office building was recently used by a commercial air conditioning company and as office building.

1.2 Proposed Redevelopment Plan

The development project consists of redeveloping the entire footprint of the lot with a new 6-story residential building. The building will have two separate cellar areas, but approximately two-thirds of the lot will consist of slab on grade construction. Both cellar areas will consist of bicycle storage rooms, storage rooms, an amenity room, the water meter rooms, gas meter rooms, electric meter rooms, the building super's office, and compactor rooms.

Excavation for both cellar levels will extend to at least 11 feet below grade. Excavation of the top 1 to 2 feet will occur across the remainder of the Site for construction of the building's slab on grade areas. An estimated 2,500 cubic yards (3,750 tons) of soil will be removed for the two cellar areas, and an additional 500 cubic yards (750 tons) of soil will require removal for the slab-on-grade areas.

Layout of the redevelopment plans for the cellar, and first floor is presented in Figure 3. The current zoning designation is M1-2/R6A. The proposed use is consistent with existing zoning for the property.

1.3 Description of Surrounding Property

The area immediately surrounding Site consists of industrial waterfront lots to the west, industrial properties to the north and south, and residential properties 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. No hospitals, schools or daycare facilities are located within a 500 ft radius of the Site.

Surrounding Property Usage

Direction	Property Description
North – Opposite side of Oak Street	Block 2568, Lot 1 - 71 West Street A 131,650 ft^2 lot developed with three industrial/manufacturing buildings. The western most building is currently being renovated for commercial space.
South – Opposite side of Calyer Street	Block 2589 Lot 5 - 64 Calyer Street A 17,550 ft^2 lot developed with a two-story industrial/manufacturing building.
East – Adjacent Properties	Block 2571, Lot 36 - 71 Calyer Street A 2,500 ft^2 lot developed with a 1&2 family building with a small rear yard. Block 2571, Lot 10 - 66 Oak Street A 2,133 ft^2 lot developed with a multi-family walk-up with a small rear yard.
West – Opposite side of West Street	Block 2570, Lot 1 - 27 West Street A 213,00 ft^2 lot developed with a industrial/manufacturing building currently used as a lumber yard, and multiple other commercial uses. The majority of the lot is paved with asphalt and used for parking of rental vehicles.

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2.0 SITE HISTORY

2.1 Past Uses and Ownership

A Phase I Environmental Site Assessment was performed by ENVIRON International Corporation in January of 2014. The past operations conducted the Site according to the Phase I Report are the following: The Site was utilized as a warehouse (1880s-1900s), for iron working (1900s-1910s), as a lumber yard (1930s-1960s), and vehicle repair, sale of auto supplies, vehicle rental, vehicle storage and a trade school (1970s-1980s).

The Phase I Report identified no recognized environmental conditions (RECs) in connection with the Site.

2.2 Previous Investigations

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

2.3 Site Inspection

Mr. Kevin Waters of EBC performed a site inspection on May 16 2014, beginning at approximately 7:00 am. The reconnaissance included a visual inspection of the parking lot, the interior of the office building, the sidewalk around the Site, and the exterior of adjacent properties. At the time of the inspection, the Site consisted of a one-story office building and an asphalt paved parking lot located on the corner of Oak Street and West Street. An 8ft high chain-link fence was erected around the parking lot on Oak Street and West Street. No evidence of an aboveground or underground storage tank was observed during the site inspection within the building, sidewalk or parking lot. No floor drains or storm drains were observed, and no staining or puddles associated with a spill/release were observed.

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 4 feet.

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3.0 PROJECT MANAGEMENT

3.1 Project Organization

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

3.2 Health and Safety

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

3.3 Materials Management

All material encountered during the RI was managed in accordance with applicable laws and regulations.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

EBC performed the following scope of work at the Site:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed eight soil borings across the Site, and collected 16 soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed four groundwater monitoring wells throughout the Site and collected four groundwater samples for chemical analysis to evaluate groundwater quality; and
4. Installed seven soil vapor implants and collected seven soil vapor samples for chemical analysis.

4.1 Geophysical Investigation

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

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

On May 19, 2014 and October 1, 2014, a total of eight soil borings (B1 through B8) were installed in the approximate locations shown on Figure 5. The eight soil boring locations were chosen to gain representative soil quality information across the Site. For each of the eight 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 10 to 12 feet below grade.

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

Four temporary 1-inch diameter PVC monitoring wells (B1, B2, B4 and MW3) with 10 feet of 0.010 slot screen were installed by EBC at the approximate locations shown on Figure 5, set to intersect the water table. Since groundwater was encountered at approximately 9 feet below grade, monitoring wells were installed to a depth of 15 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

Sixteen 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 sixteen 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

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

Soil Vapor Sampling

Seven soil vapor probes (SG1 through SG7) were installed and seven soil vapor samples were collected for chemical analysis during this RI. The seven 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 seven 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 four soil vapor probes (SG1, SG2, SG3, SG4) installed on May 9, 2014, and the three soil vapor probes (SG5, SG6, SG7) installed on October 1, 2014, were installed to a depth of 6 feet below grade. Each probe was attached to ¼ inch polyethylene tubing which extended approximately 18 inches beyond that needed to reach the surface. The tubing was capped with a ¼ inch plastic end to prevent the infiltration of foreign particles into the tube. Coarse sand was placed around the probe to a height of approximately 1 foot above the bottom of the probe. The remainder of the borehole was sealed with a bentonite slurry to the surface.

Soil vapor sampling for the four soil vapor probes installed on May 9, 2014 (SG1, SG2, SG3, SG4) was conducted on July 22, 2014. Soil vapor sampling for the three soil vapor probes installed on October 1, 2014 (SG5, SG6, SG7) was conducted on October 2, 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 seven 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 seven vapor implants. Prior to initiating sample collection, sample identification, canister number, date and start time were recorded on tags attached to each canister and in a bound field note book. Sampling then proceeded by fully opening the flow control valve on each canister in turn. Immediately after opening the flow control valve on a

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

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

Chemical Analysis

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

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Phoenix Environmental Laboratories
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and was Phoenix Environmental Laboratories
Chemical Analytical Methods	Soil and groundwater analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Soil vapor analytical methods: • VOCs by TO-15 VOC parameters.

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Tables 2 through 10. Laboratory data deliverables for all samples evaluated in this RIR are provided in 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 4 feet below grade in some areas, underlain by native brown silty sand.

Hydrogeology

A table of water level data for monitoring wells MW1 and MW2 is included in Table 1. The average depth to groundwater is 9 feet. Groundwater flow is generally west.

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 methylene chloride (maximum [max] of 6.2 µg/kg), acetone (12 µg/kg), and naphthalene (140 µg/kg), all below Unrestricted Use SCOs. Six SVOCs, including benz(a)anthracene (max of 9,100 µg/kg), benzo(a)pyrene (max of 9,700 µg/kg), benzo(b)-fluoranthene (max of 12,000 µg/kg), benzo(k)fluoranthene (max of 4,300 µg/kg), chrysene (max of 9,100 µg/kg), and indeno(1,2,3-cd)pyrene (maximum of 4,500 µg/kg), were detected above Restricted Residential Use SCOs within four of the eight shallow soil samples. The pesticide 4,4'-DDD (56 µg/kg) was detected within one of the shallow soil samples exceeding Unrestricted Use SCOs but below Restricted Residential Use SCOs. PCB-1248 (270 µg/kg) exceeded Unrestricted Use SCOs in one shallow soil sample. Four metals including copper (max of 55.1 mg/kg), lead (max of 801 mg/kg), mercury (max of 1.08 mg/kg), and zinc (max of 272 mg/kg) exceeded Unrestricted Use SCOs within shallow soil samples. Of these metals, lead and mercury also exceeded Restricted Residential Use SCOs. No VOCs, SVOCs, pesticides, PCBs or metals were detected above

Unrestricted Use SCOs within any of the deeper soil samples. 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. No VOCs were detected above GQS, but the following VOCs were detected at trace amounts; acetone (max of 3.2 µg/L), naphthalene (0.32 µg/L), and trichloroethene (0.27 µg/L). Five SVOCs, including benz(a)anthracene (max of 0.06 µg/L), benzo(b)fluroanthene (max of 0.06 µg/L), benzo(k)fluroanthene (0.03 µg/L), chrysene (max of 0.06 µg/L), and indeno(1,2,3-cd)pyrene (0.02 µg/L) were detected above GQS in three of the four groundwater samples. Several metals were identified, but only iron, manganese and sodium exceeded their respective GQS in all four filtered groundwater samples. No pesticides or PCBs were detected in the groundwater samples.

5.4 Soil Vapor Chemistry

Data collected during the RI indicated total concentrations of petroleum-related VOCs (BTEX) ranged from 67 $\mu g/m^3$ to 235 $\mu g/m^3$. Highest concentrations were reported for ethanol (maximum of 591 $\mu g/m^3$). The chlorinated VOC, trichloroethylene (TCE) was detected in six of the seven soil gas samples ranging in concentration from 0.268 to 8.32 $\mu g/m^3$. Tetrachloroethylene was detected in all seven soil gas samples ranging in concentration from 2.44 to 10.2 $\mu g/m^3$. Carbon tetrachloride was detected in one of the seven soil gas samples at a concentration of 0.314 $\mu g/m^3$ and 1,1,1-trichloroethane (maximum of 6.6 $\mu g/m^3$) was detected within two of the seven 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, with the exception of trichloroethene which was detected in one of the seven soil gas samples above the monitoring level range.

5.5 Prior Activity

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

5.6 Impediments to Remedial Action

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

TABLES

Table 1
26 West Street,
Brooklyn, NY
Soil Boring / Well Information

SAMPLE ID	Date	Total Depth (ft)	Diameter (in)	Construction Materials	Screen Length (ft)	DTW (ft)
B1	5/19/2014	15	2	Geoprobe	-	-
B2	5/19/2014	15	2	Geoprobe	-	-
B3	5/19/2014	15	2	Geoprobe	-	-
B4	5/19/2014	15	2	Geoprobe	-	-
B5	10/1/2014	15	2	Geoprobe	-	-
B6	10/1/2014	15	2	Geoprobe	-	-
B7	10/1/2014	13	2	Geoprobe	-	-
B8	10/1/2014	15	2	Geoprobe	-	-
B1	5/19/2014	15	1	PVC	10.00	5
B2	5/19/2014	15	1	PVC	10.00	5
MW3	10/1/2014	15	1	PVC	10.00	9
B4	5/19/2014	15	1	PVC	10.00	9

TABLE 2
26 West Street,
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				B8			
			5/19/2014				5/19/2014				5/19/2014				5/19/2014				10/1/2014				10/1/2014				10/1/2014				10/1/2014			
			(0-2') µg/Kg		(10-12') µg/Kg		(0-2') µg/Kg		(10-12') µg/Kg		(0-2') µg/Kg		(10-12') µg/Kg		(0-2') µg/Kg		(10-12') µg/Kg		(0-2') µg/Kg		(11-13') µg/Kg		(0-2') µg/Kg		(11-13') µg/Kg		(0-2') µg/Kg		(11-13') µg/Kg		(0-2') µg/Kg		(11-13') µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachlorothane			< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
1,1,1-Trichloroethane	680	100,000	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
1,1,2,2-Tetrachloroethane			< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
1,1,2-Trichloroethane			< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
1,1-Dichloroethane	270	26,000	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
1,1-Dichloroethene	330	100,000	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
1,1-Dichloropropene			< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
1,2,3-Trichlorobenzene			< 280	280	< 5.7	5.7	< 280	280	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 280	280	< 5.9	5.9	< 290	290	< 5.3	5.3	< 260	260	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 260	260	< 22	22
1,2,3-Trichloropropane			< 280	280	< 5.7	5.7	< 280	280	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 280	280	< 5.9	5.9	< 290	290	< 5.3	5.3	< 260	260	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 260	260	< 22	22
1,2,4-Trichlorobenzene			< 280	280	< 5.7	5.7	< 280	280	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 280	280	< 5.9	5.9	< 290	290	< 5.3	5.3	< 260	260	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 260	260	< 22	22
1,2,4-Trimethylbenzene	3,600	52,000	< 280	280	< 5.7	5.7	< 280	280	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 280	280	< 5.9	5.9	< 290	290	< 5.3	5.3	< 260	260	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 260	260	< 22	22
1,2-Dibromo-3-chloropropane			< 280	280	< 5.7	5.7	< 280	280	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 280	280	< 5.9	5.9	< 290	290	< 5.3	5.3	< 260	260	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 260	260	< 22	22
1,2-Dibromomethane			< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
1,2-Dichlorobenzene	1,100	100,000	< 280	280	< 5.7	5.7	< 280	280	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 280	280	< 5.9	5.9	< 290	290	< 5.3	5.3	< 260	260	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 260	260	< 22	22
1,2-Dichloroethane	20	3,100	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 20	20
1,2-Dichloropropane			< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
1,3,5-Trimethylbenzene	8,400	52,000	< 280	280	< 5.7	5.7	< 280	280	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 280	280	< 5.9	5.9	< 290	290	< 5.3	5.3	< 260	260	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 260	260	< 22	22
1,3-Dichlorobenzene	2,400	4,900	< 280	280	< 5.7	5.7	< 280	280	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 280	280	< 5.9	5.9	< 290	290	< 5.3	5.3	< 260	260	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 260	260	< 22	22
1,3-Dichloropropane			< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
1,4-Dichlorobenzene	1,800	13,000	< 280	280	< 5.7	5.7	< 280	280	< 5.7		< 5.7	5.7	< 5.7	5.7	< 280	280	< 5.9	5.9	< 290	290	< 5.3	5.3	< 260	260	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 260	260	< 22	22
2,2-Dichloropropane			< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
2-Chlorotoluene			< 280	280	< 5.7	5.7	< 280	280	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 280	280	< 5.9	5.9	< 290	290	< 5.3	5.3	< 260	260	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 260	260	< 22	22
2-Hexanone (Methyl Butyl Ketone)			< 28	28	< 29	29	< 28	28	< 28	28	< 28	28	< 29	29	< 28	28	< 29	29	< 39	39	< 26	26	< 24	24	< 29	29	< 29	29	< 40	40	< 47	47	< 110	110
2-Isopropyltoluene			< 280	280	< 5.7	5.7	< 280	280	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 280	280	< 5.9	5.9	< 290	290	< 5.3	5.3	< 260	260	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 260	260	< 22	22
4-Chlorotoluene			< 280	280	< 5.7	5.7	< 280	280	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 280	280	< 5.9	5.9	< 290	290	< 5.3	5.3	< 260	260	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 260	260	< 22	22
4-Methyl-2-Pentanone			< 28	28	< 29	29	< 28	28	< 28	28	< 28	28	< 29	29	< 28	28	< 29	29	< 39	39	< 26	26	< 24	24	< 29	29	< 29	29	< 40	40	< 47	47	< 110	110
Acetone	50	100,000	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	**12**	47	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50
Acrylonitrile			< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 12	12	< 16	16	< 11	11	< 9.5	9.5	< 12	12	< 12	12	< 16	16	< 19	19	< 44	44
Benzene	60	4,800	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
Bromobenzene			< 280	280	< 5.7	5.7	< 280	280	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 280	280	< 5.9	5.9	< 290	290	< 5.3	5.3	< 260	260	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 260	260	< 22	22
Bromochloromethane			< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
Bromodichloromethane			< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
Bromoform			< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
Bromomethane			< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
Carbon Disulfide			< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
Carbon tetrachloride	760	2,400	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
Chlorobenzene	1,100	100,000	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
Chloroethane			< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
Chloroform	370	49,000	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
Chloromethane			< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
cis-1,2-Dichloroethene	250	100,000	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
cis-1,3-Dichloropropene			< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
Dibromochloromethane			< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
Dibromomethane			< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
Dichlorodifluoromethane			< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
Ethylbenzene	1,000	41,000	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
Hexachlorobutadiene			< 280	280	< 5.7	5.7	< 280	280	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 280	280	< 5.9	5.9	< 290	290	< 5.3	5.3	< 260	260	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 260	260	< 22	22
Isopropylbenzene			< 280	280	< 5.7	5.7	< 280	280	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 280	280	< 5.9	5.9	< 290	290	< 5.3	5.3	< 260	260	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 260	260	< 22	22
m&p-Xylenes	260	100,000	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
Methyl Ethyl Ketone (2-Butanone)	120	100,000	< 34	34	< 34	34	< 34	34	< 34	34	< 34	34	< 34	34	< 34	34	< 35	35	< 47	47	< 32	32	< 28	28	< 35	35	< 35	35	< 48	48	< 57	57	< 120	120
Methyl t-butyl ether (MTBE)	930	100,000	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 12	12	< 16	16	< 11	11	< 9.5	9.5	< 12	12	< 12	12	< 16	16	< 19	19	< 44	44
Methylene chloride	50	100,000	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	**0.96**	4.7	**1.6**	5.9	**1.5**	5.8	**1.4**	7.9	< 9.5	9.5	**6.2**	22
Naphthalene	12,000	100,000	< 280	280	< 5.7	5.7	< 280	280	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 280	280	< 5.9	5.9	**140**	290	< 5.3	5.3	< 260	260	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 260	260	< 22	22
n-Butylbenzene	12,000	100,000	< 280	280	< 5.7	5.7	< 280	280	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 280	280	< 5.9	5.9	< 290	290	< 5.3	5.3	< 260	260	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 260	260	< 22	22
n-Propylbenzene	3,900	100,000	< 280	280	< 5.7	5.7	< 280	280	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 280	280	< 5.9	5.9	< 290	290	< 5.3	5.3	< 260	260	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 260	260	< 22	22
o-Xylene	260	100,000	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
p-Isopropyltoluene			< 280	280	< 5.7	5.7	< 280	280	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 280	280	< 5.9	5.9	< 290	290	< 5.3	5.3	< 260	260	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 260	260	< 22	22
sec-Butylbenzene	11,000	100,000	< 280	280	< 5.7	5.7	< 280	280	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 280	280	< 5.9	5.9	< 290	290	< 5.3	5.3	< 260	260	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 260	260	< 22	22
Styrene			< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
tert-Butylbenzene	5,900	100,000	< 280	280	< 5.7	5.7	< 280	280	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 280	280	< 5.9	5.9	< 290	290	< 5.3	5.3	< 260	260	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 260	260	< 22	22
Tetrachloroethene	1,300	19,000	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
Tetrahydrofuran (THF)			< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 12	12	< 16	16	< 11	11	< 9.5	9.5	< 12	12	< 12	12	< 16	16	< 19	19	< 44	44
Toluene	700	100,000	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
trans-1,2-Dichloroethene	190	100,000	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
trans-1,3-Dichloropropene			< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
trabs-1,4-dichloro-2-butene			< 570	570	< 11	11	< 570	570	< 11	11	< 11	11	< 11	11	< 570	570	< 12	12	< 570	570	< 11	11	< 520	520	< 12	12	< 12	12	< 16	16	< 510	510	< 44	44
Trichloroethene	470	21,000	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
Trichlorofluoromethane			< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
Trichlorotrifluoroethane			< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 22	22
Vinyl Chloride	20	900	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.7	5.7	< 5.9	5.9	< 7.8	7.8	< 5.3	5.3	< 4.7	4.7	< 5.9	5.9	< 5.8	5.8	< 7.9	7.9	< 9.5	9.5	< 20	20
Total BTEX Concentration			**0**		**0**		**0**		**0**		**0**		**0**		**0**		**0**		**0.0**		**0.0**		**0.0**		**0.0**		**0.0**		**0.0**		**0.0**		**0.0**	
Total VOCs Concentration			**0**		**0**		**0**		**0**		**0**		**0**		**0**		**0**		**140**		**0**		**12.96**		**1.6**		**1.5**		**1.4**		**0**		**6.2**	

Notes:

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

RL - Reporting Limit

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

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

TABLE 3
26 West Street,
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				B8			
			5/19/2014				5/19/2014				5/19/2014				5/19/2014				10/1/2014				10/1/2014				10/1/2014				10/1/2014			
			(0-2') µg/Kg		(10-12') µg/Kg		(0-2') µg/Kg		(10-12') µg/Kg		(0-2') µg/Kg		(10-12') µg/Kg		(0-2') µg/Kg		(10-12') µg/Kg		(0-2') µg/Kg		(11-13') µg/Kg		(0-2') µg/Kg		(11-13') µg/Kg		(0-2') µg/Kg		(11-13') µg/Kg		(0-2') µg/Kg		(11-13') µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,2,4,5-Tetrachlorobenzene			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
1,2,4-Trichlorobenzene			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
1,2-Dichlorobenzene			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
1,2-Diphenylhydrazine			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
1,3-Dichlorobenzene			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
1,4-Dichlorobenzene			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
2,4,5-Trichlorophenol			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
2,4,6-Trichlorophenol			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
2,4-Dichlorophenol			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
2,4-Dimethylphenol			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
2,4-Dinitrophenol			< 9500	9,500	< 1900	1,900	< 1900	1,900	< 1900	1,900	< 1900	1,900	< 1900	1,900	< 1800	1,800	< 1900	1,900	< 1800	1,800	< 1900	1,900	< 3600	3,600	< 1900	1,900	< 1800	1,800	< 1900	1,900	< 1700	1,700	< 1900	1,900
2,4-Dinitrotoluene			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
2,6-Dinitrotoluene			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
2-Chloronaphthalene			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
2-Chlorophenol			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
2-Methylnaphthalene			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	**140**	250	< 260	260	< 500	500	< 270	270	**170**	250	< 270	270	< 240	240	< 270	270
2-Methylphenol (o-cresol)	330	100,000	< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 330	330	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
2-Nitroaniline			< 9500	9,500	< 1900	1,900	< 1900	1,900	< 1900	1,900	< 1900	1,900	< 1900	1,900	< 1800	1,800	< 1900	1,900	< 1800	1,800	< 1900	1,900	< 3600	3,600	< 1900	1,900	< 1800	1,800	< 1900	1,900	< 1700	1,700	< 1900	1,900
2-Nitrophenol			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
3&4-Methylphenol (m&p-cresol)	330	100,000	< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
3,3'-Dichlorobenzidine			< 3800	3,800	< 750	750	< 750	750	< 750	750	< 760	760	< 740	740	< 740	740	< 770	770	< 720	720	< 750	750	< 1400	1,400	< 770	770	< 720	720	< 770	770	< 700	700	< 760	760
3-Nitroaniline			< 9500	9,500	< 1900	1,900	< 1900	1,900	< 1900	1,900	< 1900	1,900	< 1900	1,900	< 1800	1,800	< 1900	1,900	< 1800	1,800	< 1900	1,900	< 3600	3,600	< 1900	1,900	< 1800	1,800	< 1900	1,900	< 1700	1,700	< 1900	1,900
4,6-Dinitro-2-methylphenol			< 9500	9,500	< 1900	1,900	< 1900	1,900	< 1900	1,900	< 1900	1,900	< 1900	1,900	< 1800	1,800	< 1900	1,900	< 1800	1,800	< 1900	1,900	< 3600	3,600	< 1900	1,900	< 1800	1,800	< 1900	1,900	< 1700	1,700	< 1900	1,900
4-Bromophenyl phenyl ether			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
4-Chloro-3-methylphenol			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
4-Chloroaniline			< 3800	3,800	< 750	750	< 750	750	< 750	750	< 760	760	< 740	740	< 740	740	< 770	770	< 720	720	< 750	750	< 1400	1,400	< 770	770	< 720	720	< 770	770	< 700	700	< 760	760
4-Chlorophenyl phenyl ether			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
4-Nitroaniline			< 9500	9,500	< 1900	1,900	< 1900	1,900	< 1900	1,900	< 1900	1,900	< 1900	1,900	< 1800	1,800	< 1900	1,900	< 1800	1,800	< 1900	1,900	< 3600	3,600	< 1900	1,900	< 1800	1,800	< 1900	1,900	< 1700	1,700	< 1900	1,900
4-Nitrophenol			< 9500	9,500	< 1900	1,900	< 1900	1,900	< 1900	1,900	< 1900	1,900	< 1900	1,900	< 1800	1,800	< 1900	1,900	< 1800	1,800	< 1900	1,900	< 3600	3,600	< 1900	1,900	< 1800	1,800	< 1900	1,900	< 1700	1,700	< 1900	1,900
Acenaphthene	20,000	100,000	< 1300	1,300	< 260	260	**340**	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	**350**	250	< 260	260	< 500	500	< 270	270	**300**	250	< 270	270	**110**	240	< 270	270
Acenaphthylene	100,000	100,000	< 1300	1,300	< 260	260	**920**	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	**110**	250	< 260	260	< 500	500	< 270	270	**110**	250	< 270	270	< 240	240	< 270	270
Acetophenone			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
Aniline			< 9500	9,500	< 1900	1,900	< 1900	1,900	< 1900	1,900	< 1900	1,900	< 1900	1,900	< 1800	1,800	< 1900	1,900	< 1800	1,800	< 1900	1,900	< 3600	3,600	< 1900	1,900	< 1800	1,800	< 1900	1,900	< 1700	1,700	< 1900	1,900
Anthracene	100,000	100,000	**1,800**	1,300	< 260	260	**1,500**	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	**770**	250	< 260	260	< 500	500	< 270	270	**680**	250	< 270	270	**230**	240	< 270	270
Benz(a)anthracene	1,000	1,000	**4,500**	1,300	< 260	260	**9,100**	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	**2,100**	250	< 260	260	**300**	500	< 270	270	**1,200**	250	< 270	270	**730**	240	< 270	270
Benzidine			< 3800	3,800	< 750	750	< 750	750	< 750	750	< 760	760	< 740	740	< 740	740	< 770	770	< 720	720	< 750	750	< 1400	1,400	< 770	770	< 720	720	< 770	770	< 700	700	< 760	760
Benzo(a)pyrene	1,000	1,000	**3,900**	1,300	< 260	260	**9,700**	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	**1,800**	250	< 260	260	**280**	500	< 270	270	**1,000**	250	< 270	270	**560**	240	< 270	270
Benzo(b)fluoranthene	1,000	1,000	**5,800**	1,300	< 260	260	**12,000**	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	**2,600**	250	< 260	260	**400**	500	< 270	270	**1,300**	250	< 270	270	**750**	240	< 270	270
Benzo(ghi)perylene	100,000	100,000	**2,600**	1,300	< 260	260	**4,500**	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	**690**	250	< 260	260	< 500	500	< 270	270	**480**	250	< 270	270	**270**	240	< 270	270
Benzo(k)fluoranthene	800	3,900	**1,600**	1,300	< 260	260	**4,300**	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	**910**	250	< 260	260	< 500	500	< 270	270	**420**	250	< 270	270	**240**	240	< 270	270
Benzoic acid			< 9500	9,500	< 1900	1,900	< 1900	1,900	< 1900	1,900	< 1900	1,900	< 1900	1,900	< 1800	1,800	< 1900	1,900	< 1800	1,800	< 1900	1,900	< 3600	3,600	< 1900	1,900	< 1800	1,800	< 1900	1,900	< 1700	1,700	< 1900	1,900
Benzyl butyl phthalate			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
Bis(2-chloroethoxy)methane			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
Bis(2-chloroethyl)ether			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
Bis(2-chloroisopropyl)ether			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
Bis(2-ethylhexyl)phthalate			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
Carbazole			< 9500	9,500	< 1900	1,900	< 1900	1,900	< 1900	1,900	< 1900	1,900	< 1900	1,900	< 1800	1,800	< 1900	1,900	**570**	1,800	< 1900	1,900	< 3600	3,600	< 1900	1,900	**500**	1,800	< 1900	1,900	< 1700	1,700	< 1900	1,900
Chrysene	1,000	3,900	**4,900**	1,300	< 260	260	**9,100**	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	**2,200**	250	< 260	260	**300**	500	< 270	270	**1,200**	250	< 270	270	**700**	240	< 270	270
Dibenz(a,h)anthracene	330	330	< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 330	330	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
Dibenzofuran	7,000	59,000	< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	**360**	250	< 260	260	< 500	500	< 270	270	**290**	250	< 270	270	< 240	240	< 270	270
Diethyl phthalate			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
Dimethylphthalate			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
Di-n-butylphthalate			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
Di-n-octylphthalate			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
Fluoranthene	100,000	100,000	**13,000**	1,300	< 260	260	**18,000**	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	**6,900**	1,300	< 260	260	**540**	500	< 270	270	**3,500**	250	< 270	270	**1,700**	240	< 270	270
Fluorene	30,000	100,000	< 1300	1,300	< 260	260	**290**	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	**290**	250	< 260	260	< 500	500	< 270	270	**290**	250	< 270	270	< 240	240	< 270	270
Hexachlorobenzene			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
Hexachlorobutadiene			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
Hexachlorocyclopentadiene			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
Hexachloroethane			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
Indeno(1,2,3-cd)pyrene	500	500	**2,200**	1,300	< 260	260	**4,500**	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	**630**	250	< 260	260	< 500	500	< 270	270	**410**	250	< 270	270	**230**	240	< 270	270
Isophorone			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
Naphthalene	12,000	100,000	< 1300	1,300	< 260	260	**340**	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
Nitrobenzene			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
N-Nitrosodimethylamine			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
N-Nitrosodi-n-propylamine			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
N-Nitrosodiphenylamine			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
Pentachloronitrobenzene			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
Pentachlorophenol	800	6,700	< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
Phenanthrene	100,000	100,000	**6,600**	1,300	< 260	260	**4,500**	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	**5,700**	1,300	< 260	260	**450**	500	< 270	270	**4,000**	250	< 270	270	**1,700**	240	< 270	270
Phenol	330	100,000	< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 330	330	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270
Pyrene	100,000	100,000	**12,000**	1,300	< 260	260	**18,000**	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	**5,000**	250	< 260	260	**450**	500	< 270	270	**3,100**	250	< 270	270	**1,600**	240	< 270	270
Pyridine			< 1300	1,300	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 260	260	< 270	270	< 250	250	< 260	260	< 500	500	< 270	270	< 250	250	< 270	270	< 240	240	< 270	270

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

TABLE 4
26 West Street,
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				B8			
			5/19/2014				5/19/2014				5/19/2014				5/19/2014				10/1/2014				10/1/2014				10/1/2014				10/1/2014			
			(0-2') µg/Kg		(10-12') µg/Kg		(0-2') µg/Kg		(10-12') µg/Kg		(0-2') µg/Kg		(10-12') µg/Kg		(0-2') µg/Kg		(10-12') µg/Kg		(0-2') µg/Kg		(11-13') µg/Kg		(0-2') µg/Kg		(11-13') µg/Kg		(0-2') µg/Kg		(11-13') µg/Kg		(0-2') µg/Kg		(11-13') µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
4,4' -DDD	3.3	13,000	**56**	2.7	< 2.7	2.7	< 2.6	2.6	< 2.7	2.7	< 2.7	2.7	< 2.7	2.7	< 2.6	2.6	< 2.8	2.8	< 2.5	2.5	< 2.7	2.7	< 2.6	2.6	< 2.8	2.8	< 2.6	2.6	< 2.8	2.8	< 2.5	2.5	< 2.8	2.8
4,4' -DDE	3.3	8,900	< 2.7	2.7	< 2.7	2.7	< 2.6	2.6	< 2.7	2.7	< 2.7	2.7	< 2.7	2.7	< 2.6	2.6	< 2.8	2.8	< 2.5	2.5	< 2.7	2.7	< 2.6	2.6	< 2.8	2.8	< 2.6	2.6	< 2.8	2.8	< 2.5	2.5	< 2.8	2.8
4,4' -DDT	3.3	7,900	< 2.7	2.7	< 2.7	2.7	< 2.6	2.6	< 2.7	2.7	< 2.7	2.7	< 2.7	2.7	< 2.6	2.6	< 2.8	2.8	< 2.5	2.5	< 2.7	2.7	< 2.6	2.6	< 2.8	2.8	< 2.6	2.6	< 2.8	2.8	< 2.5	2.5	< 2.8	2.8
a-BHC	20	480	< 1.9	1.9	< 1.9	1.9	< 1.8	1.8	< 1.9	1.9	< 1.9	1.9	< 1.8	1.8	< 1.8	1.8	< 1.9	1.9	< 3.5	3.5	< 3.8	3.8	< 3.6	3.6	< 3.8	3.8	< 3.6	3.6	< 3.9	3.9	< 3.5	3.5	< 3.8	3.8
a-Chlordane	94	4,200	< 3.8	3.8	< 3.7	3.7	< 3.7	3.7	< 3.7	3.7	< 3.8	3.8	< 3.7	3.7	< 3.7	3.7	< 3.8	3.8	< 3.5	3.5	< 3.8	3.8	< 3.6	3.6	< 3.8	3.8	< 3.6	3.6	< 3.9	3.9	< 3.5	3.5	< 3.8	3.8
Aldrin	5	97	< 1.9	1.9	< 1.9	1.9	< 1.8	1.8	< 1.9	1.9	< 1.9	1.9	< 1.8	1.8	< 1.8	1.8	< 1.9	1.9	< 1.8	1.8	< 1.9	1.9	< 1.8	1.8	< 1.9	1.9	< 1.8	1.8	< 1.9	1.9	< 1.7	1.7	< 1.9	1.9
b-BHC	36	360	< 1.9	1.9	< 1.9	1.9	< 1.8	1.8	< 1.9	1.9	< 1.9	1.9	< 1.8	1.8	< 1.8	1.8	< 1.9	1.9	< 3.5	3.5	< 3.8	3.8	< 3.6	3.6	< 3.8	3.8	< 3.6	3.6	< 3.9	3.9	< 3.5	3.5	< 3.8	3.8
Chlordane			< 23	23	< 22	22	< 22	22	< 22	22	< 22	22	< 22	22	< 22	22	< 23	23	< 35	35	< 38	38	< 36	36	< 38	38	< 36	36	< 39	39	< 35	35	< 38	38
d-BHC	40	100,000	< 1.9	1.9	< 1.9	1.9	< 1.8	1.8	< 1.9	1.9	< 1.9	1.9	< 1.8	1.8	< 1.8	1.8	< 1.9	1.9	< 3.5	3.5	< 3.8	3.8	< 3.6	3.6	< 3.8	3.8	< 3.6	3.6	< 3.9	3.9	< 3.5	3.5	< 3.8	3.8
Dieldrin	5	200	< 1.9	1.9	< 1.9	1.9	< 1.8	1.8	< 1.9	1.9	< 1.9	1.9	< 1.8	1.8	< 1.8	1.8	< 1.9	1.9	< 1.8	1.8	< 1.9	1.9	< 1.8	1.8	< 1.9	1.9	< 1.8	1.8	< 1.9	1.9	< 1.7	1.7	< 1.9	1.9
Endosulfan I	2,400	24,000	< 3.8	3.8	< 3.7	3.7	< 3.7	3.7	< 3.7	3.7	< 3.8	3.8	< 3.7	3.7	< 3.7	3.7	< 3.8	3.8	< 3.5	3.5	< 3.8	3.8	< 3.6	3.6	< 3.8	3.8	< 3.6	3.6	< 3.9	3.9	< 3.5	3.5	< 3.8	3.8
Endosulfan II	2,400	24,000	< 3.8	3.8	< 3.7	3.7	< 3.7	3.7	< 3.7	3.7	< 3.8	3.8	< 3.7	3.7	< 3.7	3.7	< 3.8	3.8	< 3.5	3.5	< 3.8	3.8	< 3.6	3.6	< 3.8	3.8	< 3.6	3.6	< 3.9	3.9	< 3.5	3.5	< 3.8	3.8
Endosulfan sulfate	2,400	24,000	< 3.8	3.8	< 3.7	3.7	< 3.7	3.7	< 3.7	3.7	< 3.8	3.8	< 3.7	3.7	< 3.7	3.7	< 3.8	3.8	< 3.5	3.5	< 3.8	3.8	< 3.6	3.6	< 3.8	3.8	< 3.6	3.6	< 3.9	3.9	< 3.5	3.5	< 3.8	3.8
Endrin	14	11,000	< 1.9	1.9	< 1.9	1.9	< 1.8	1.8	< 1.9	1.9	< 1.9	1.9	< 1.8	1.8	< 1.8	1.8	< 1.9	1.9	< 3.5	3.5	< 3.8	3.8	< 3.6	3.6	< 3.8	3.8	< 3.6	3.6	< 3.9	3.9	< 3.5	3.5	< 3.8	3.8
Endrin aldehyde			< 3.8	3.8	< 3.7	3.7	< 3.7	3.7	< 3.7	3.7	< 3.8	3.8	< 3.7	3.7	< 3.7	3.7	< 3.8	3.8	< 3.5	3.5	< 3.8	3.8	< 3.6	3.6	< 3.8	3.8	< 3.6	3.6	< 3.9	3.9	< 3.5	3.5	< 3.8	3.8
Endrin ketone			< 1.9	1.9	< 1.9	1.9	< 1.8	1.8	< 1.9	1.9	< 1.9	1.9	< 1.8	1.8	< 1.8	1.8	< 1.9	1.9	< 1.8	1.8	< 1.9	1.9	< 1.8	1.8	< 1.9	1.9	< 1.8	1.8	< 1.9	1.9	< 1.7	1.7	< 1.9	1.9
g-BHC			< 1.9	1.9	< 1.9	1.9	< 1.8	1.8	< 1.9	1.9	< 1.9	1.9	< 1.8	1.8	< 1.8	1.8	< 1.9	1.9	< 3.5	3.5	< 3.8	3.8	< 3.6	3.6	< 3.8	3.8	< 3.6	3.6	< 3.9	3.9	< 3.5	3.5	< 3.8	3.8
g-Chlordane			< 3.8	3.8	< 3.7	3.7	< 3.7	3.7	< 3.7	3.7	< 3.8	3.8	< 3.7	3.7	< 3.7	3.7	< 3.8	3.8	< 3.5	3.5	< 3.8	3.8	< 3.6	3.6	< 3.8	3.8	< 3.6	3.6	< 3.9	3.9	< 3.5	3.5	< 3.8	3.8
Heptachlor	42	2,100	< 1.9	1.9	< 1.9	1.9	< 1.8	1.8	< 1.9	1.9	< 1.9	1.9	< 1.8	1.8	< 1.8	1.8	< 1.9	1.9	< 3.5	3.5	< 3.8	3.8	< 3.6	3.6	< 3.8	3.8	< 3.6	3.6	< 3.9	3.9	< 3.5	3.5	< 3.8	3.8
Heptachlor epoxide			< 1.9	1.9	< 1.9	1.9	< 1.8	1.8	< 1.9	1.9	< 1.9	1.9	< 1.8	1.8	< 1.8	1.8	< 1.9	1.9	< 1.8	1.8	< 1.9	1.9	< 1.8	1.8	< 1.9	1.9	< 1.8	1.8	< 1.9	1.9	< 1.7	1.7	< 1.9	1.9
Methoxychlor			< 7.6	7.6	< 7.5	7.5	< 7.4	7.4	< 7.5	7.5	< 7.5	7.5	< 7.4	7.4	< 7.4	7.4	< 7.7	7.7	< 7.1	7.1	< 7.5	7.5	< 7.1	7.1	< 7.6	7.6	< 7.2	7.2	< 7.7	7.7	< 7.0	7	< 7.7	7.7
Toxaphene			< 190	190	< 190	190	< 180	180	< 190	190	< 190	190	< 180	180	< 180	180	< 190	190	< 180	180	< 190	190	< 180	180	< 190	190	< 180	180	< 190	190	< 170	170	< 190	190
PCB-1016	100	1,000	< 38	38	< 37	37	< 37	37	< 37	37	< 38	38	< 37	37	< 37	37	< 38	38	< 35	35	< 38	38	< 36	36	< 38	38	< 36	36	< 39	39	< 35	35	< 38	38
PCB-1221	100	1,000	< 38	38	< 37	37	< 37	37	< 37	37	< 38	38	< 37	37	< 37	37	< 38	38	< 35	35	< 38	38	< 36	36	< 38	38	< 36	36	< 39	39	< 35	35	< 38	38
PCB-1232	100	1,000	< 38	38	< 37	37	< 37	37	< 37	37	< 38	38	< 37	37	< 37	37	< 38	38	< 35	35	< 38	38	< 36	36	< 38	38	< 36	36	< 39	39	< 35	35	< 38	38
PCB-1242	100	1,000	< 38	38	< 37	37	< 37	37	< 37	37	< 38	38	< 37	37	< 37	37	< 38	38	< 35	35	< 38	38	< 36	36	< 38	38	< 36	36	< 39	39	< 35	35	< 38	38
PCB-1248	100	1,000	**270**	38	< 37	37	< 37	37	< 37	37	< 38	38	< 37	37	< 37	37	< 38	38	< 35	35	< 38	38	< 36	36	< 38	38	< 36	36	< 39	39	< 35	35	< 38	38
PCB-1254	100	1,000	< 38	38	< 37	37	< 37	37	< 37	37	< 38	38	< 37	37	< 37	37	< 38	38	< 35	35	< 38	38	< 36	36	< 38	38	< 36	36	< 39	39	< 35	35	< 38	38
PCB-1260	100	1,000	< 38	38	< 37	37	< 37	37	< 37	37	< 38	38	< 37	37	< 37	37	< 38	38	< 35	35	< 38	38	< 36	36	< 38	38	< 36	36	< 39	39	< 35	35	< 38	38
PCB-1262	100	1,000	< 38	38	< 37	37	< 37	37	< 37	37	< 38	38	< 37	37	< 37	37	< 38	38	< 35	35	< 38	38	< 36	36	< 38	38	< 36	36	< 39	39	< 35	35	< 38	38
PCB-1268	100	1,000	< 38	38	< 37	37	< 37	37	< 37	37	< 38	38	< 37	37	< 37	37	< 38	38	< 35	35	< 38	38	< 36	36	< 38	38	< 36	36	< 39	39	< 35	35	< 38	38

Notes:

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

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

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

TABLE 5
26 West Street,
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				B8			
			5/19/2014				5/19/2014				5/19/2014				5/19/2014				10/1/2014				10/1/2014				10/1/2014				10/1/2014			
			(0-2') µg/Kg		(10-12') µg/Kg		(0-2') µg/Kg		(10-12') µg/Kg		(0-2') µg/Kg		(10-12') µg/Kg		(0-2') µg/Kg		(10-12') µg/Kg		(0-2') µg/Kg		(11-13') µg/Kg		(0-2') µg/Kg		(11-13') µg/Kg		(0-2') µg/Kg		(11-13') µg/Kg		(0-2') µg/Kg		(11-13') µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Aluminum			7,320	34	7,020	34	4,960	36	9,220	36	9,320	36	7,700	37	8,530	37	9,330	38	7,550	38	7,870	35	6,740	35	6,570	34	9,330	35	6,120	40	7,080	32	5,850	38
Antimony			< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.8	1.8	< 1.8	1.8	< 1.9	1.9	< 1.8	1.8	< 1.9	1.9	< 1.9	1.9	< 1.8	1.8	< 1.7	1.7	< 1.7	1.7	< 1.7	1.7	< 2.0	2	< 1.6	1.6	< 1.9	1.9
Arsenic	13	16	5.3	0.7	2.9	0.7	12.8	0.7	1.4	0.7	2.8	0.7	1.4	0.7	5.2	0.7	2.4	0.8	3.1	0.8	< 0.7	0.7	3.9	0.7	0.9	0.7	2.1	0.7	3.3	0.8	6.3	0.6	3.5	0.8
Barium	350	350	60.1	0.7	37.9	0.7	129	0.7	53.3	0.7	26	0.7	53.1	0.7	104	0.7	20.7	0.8	75.3	0.8	44	0.7	57.2	0.7	56.8	0.7	72.5	0.7	19.9	0.8	88.2	0.6	31.1	0.8
Beryllium	7.2	14	0.35	0.27	0.38	0.27	0.34	0.29	0.43	0.29	< 0.28	0.28	0.61	0.3	0.38	0.3	0.32	0.3	0.38	0.3	0.43	0.28	0.34	0.28	0.37	0.27	0.47	0.28	0.39	0.32	0.36	0.26	0.38	0.31
Cadmium	2.5	2.5	< 0.34	0.34	< 0.34	0.34	0.56	0.36	< 0.36	0.36	< 0.36	0.36	< 0.37	0.37	< 0.37	0.37	< 0.38	0.38	0.19	0.38	< 0.35	0.35	0.21	0.35	0.15	0.34	< 0.35	0.35	< 0.40	0.4	0.21	0.32	< 0.38	0.38
Calcium			2,590	3.4	1,010	3.4	32,600	36	968	3.6	4,370	3.6	950	3.7	3,380	3.7	792	3.8	1,770	3.8	726	3.5	7,950	3.5	680	3.4	1,350	3.5	587	4	2,660	3.2	693	3.8
Chromium	30	180	12.3	0.34	13.8	0.34	11.4	0.36	16.7	0.36	10	0.36	15.7	0.37	11.5	0.37	10.4	0.38	13.1	0.38	15.8	0.35	12.2	0.35	12.9	0.34	12.3	0.35	11.8	0.4	14.8	0.32	15.1	0.38
Cobalt			6.51	0.34	6.06	0.34	4.28	0.36	6.61	0.36	4.18	0.36	6	0.37	4.78	0.37	4.91	0.38	7.29	0.38	7.17	0.35	6.13	0.35	6.77	0.34	5.68	0.35	5.68	0.4	5.51	0.32	6.86	0.38
Copper	50	270	27.4	0.34	11.5	0.34	52.4	0.36	13.2	0.36	11.2	0.36	16.2	0.37	42.4	0.37	10.6	0.38	33.1	0.38	13.7	0.35	29.3	0.35	10.6	0.34	55.1	0.35	8.69	0.4	30.1	0.32	10	0.38
Iron			18,100	34	20,000	34	15,000	36	23,100	36	17,800	36	23,200	37	15,100	37	13,500	38	16,200	38	15,500	35	15,900	35	15,500	34	14,100	35	15,000	40	19,100	32	15,400	38
Lead	63	400	254	6.8	4.9	0.7	801	7.2	4.5	0.7	8.5	0.7	6.6	0.7	322	7.4	5.2	0.8	343	7.5	5.9	0.7	204	7	5.7	0.7	29.6	0.7	5.8	0.8	170	6.5	6	0.8
Magnesium			2,390	3.4	2,030	3.4	3,820	3.6	2,400	3.6	4,640	3.6	2,600	3.7	1,970	3.7	2,310	3.8	1,960	3.8	2,390	3.5	3,330	3.5	1,970	3.4	2,230	3.5	1,890	4	2,290	3.2	1,860	3.8
Manganese	1,600	2,000	250	3.4	507	3.4	228	3.6	553	3.6	168	3.6	289	3.7	312	3.7	147	0.38	462	3.8	274	3.5	271	3.5	757	3.4	392	3.5	156	0.4	192	3.2	246	3.8
Mercury	0.18	0.81	< 0.09	0.09	< 0.06	0.06	1.08	0.08	< 0.08	0.08	< 0.07	0.07	< 0.07	0.07	0.11	0.08	< 0.09	0.09	0.38	0.08	< 0.07	0.07	0.17	0.07	< 0.09	0.09	0.2	0.06	< 0.08	0.08	0.1	0.07	< 0.07	0.07
Nickel	30	140	14	0.34	12.4	0.34	10.8	0.36	11.5	0.36	9.71	0.36	9.73	0.37	11.2	0.37	9.42	0.38	12.7	0.38	12.9	0.35	11.5	0.35	13.8	0.34	13.1	0.35	8.86	0.4	11.9	0.32	12.1	0.38
Potassium			892	68	1,350	68	770	72	1,840	73	1,120	71	1,720	75	947	74	1,180	75	960	8	1,640	7	932	7	1,280	7	895	7	1,110	8	1,040	6	1,110	8
Selenium	3.9	36	< 1.4	1.4	< 1.4	1.4	< 1.4	1.4	< 1.5	1.5	< 1.4	1.4	< 1.5	1.5	< 1.5	1.5	< 1.5	1.5	< 1.5	1.5	< 1.4	1.4	< 1.4	1.4	< 1.4	1.4	< 1.4	1.4	< 1.6	1.6	< 1.3	1.3	< 1.5	1.5
Silver	2	36	< 0.34	0.34	< 0.34	0.34	< 0.36	0.36	< 0.36	0.36	< 0.36	0.36	< 0.37	0.37	< 0.37	0.37	< 0.38	0.38	< 0.38	0.38	< 0.35	0.35	< 0.35	0.35	< 0.34	0.34	< 0.35	0.35	< 0.40	0.4	< 0.32	0.32	< 0.38	0.38
Sodium			613	7	141	7	157	7	143	7	281	7	87	7	122	7	64	8	236	8	121	7	219	7	64	7	139	7	89	8	158	6	59	8
Thallium			< 1.4	1.4	< 1.4	1.4	< 1.4	1.4	< 1.5	1.5	< 1.4	1.4	< 1.5	1.5	< 1.5	1.5	< 1.5	1.5	< 1.5	1.5	< 1.4	1.4	< 1.4	1.4	< 1.4	1.4	< 1.4	1.4	< 1.6	1.6	< 1.3	1.3	< 1.5	1.5
Vanadium			18.8	0.3	21.2	0.3	18.4	0.4	24.5	0.4	14.2	0.4	26	0.4	16.7	0.4	15.9	0.4	17.9	0.4	23.1	0.4	18.6	0.3	18.7	0.3	15.8	0.3	19.2	0.4	19.8	0.3	18.3	0.4
Zinc	109	2,200	172	6.8	24.4	0.7	272	7.2	26.5	0.7	34.4	0.7	49.7	0.7	135	0.7	25.7	0.8	97.6	0.8	28.6	0.7	148	7	26.5	0.7	87	0.7	24.3	0.8	96.1	0.6	31.8	0.8

Notes:

RL - Reporting Limit

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

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

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

TABLE 6
26 West Street,
Brooklyn, New York
Groundwater Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards	B1		B2		Duplicate (B2)		B4		MW3		Trip Blank	
		7/25/2014		7/25/2014		7/25/2014		7/25/2014		10/2/2014		10/2/2014	
		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
	µg/L	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachlorothane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1,1-Trichloroethane	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
1,1,2,2-Tetrachloroethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1,2-Trichloroethane	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloroethane	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
1,1-Dichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloropropene		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2,3-Trichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2,3-Trichloropropane	0.04	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2,4-Trichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2,4-Trimethylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dibromo-3-chloropropane	0.04	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dibromoethane		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dichlorobenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dichloroethane	0.6	< 0.60	0.6	< 0.60	0.6	< 0.60	0.6	< 0.60	0.6	< 0.60	0.6	< 0.60	0.6
1,2-Dichloropropane	0.94	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,3,5-Trimethylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,3-Dichlorobenzene		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 1.0	1	< 1.0	1
1,3-Dichloropropane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,4-Dichlorobenzene	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 1.0	1	< 1.0	1
2,2-Dichloropropane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
2-Chlorotoluene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
2-Hexanone (Methyl Butyl Ketone)		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
2-Isopropyltoluene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
4-Chlorotoluene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
4-Methyl-2-Pentanone		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Acetone		**2.1**	5	**2.2**	5	**3.2**	5	**2.2**	5	**2.4**	5	**1.1**	5
Acrolein		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Acrylonitrile	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Benzene	1	< 0.70	0.7	< 0.70	0.7	< 0.70	0.7	< 0.70	0.7	< 0.70	0.7	< 0.70	0.7
Bromobenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Bromochloromethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Bromodichloromethane		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Bromoform		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Bromomethane	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Carbon Disulfide	60	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Carbon tetrachloride	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Chlorobenzene	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Chloroethane	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Chloroform	7	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Chloromethane	60	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
cis-1,2-Dichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
cis-1,3-Dichloropropene		< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
Dibromochloromethane		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Dibromomethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Dichlorodifluoromethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Ethylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Hexachlorobutadiene	0.5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 0.5	0.5	< 0.5	0.5
Isopropylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
m&p-Xylenes	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Methyl Ethyl Ketone (2-Butanone)		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Methyl t-butyl ether (MTBE)	10	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Methylene chloride	5	< 3.0	3	< 3.0	3	< 3.0	3	< 3.0	3	< 3.0	3	< 3.0	3
Naphthalene	10	< 1.0	1	< 1.0	1	< 1.0	1	**0.32**	1	< 1.0	1	< 1.0	1
n-Butylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
n-Propylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
o-Xylene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
p-Isopropyltoluene		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
sec-Butylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Styrene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
tert-Butylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Tetrachloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Tetrahydrofuran (THF)		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Toluene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
trans-1,2-Dichloroethene	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
trans-1,3-Dichloropropene	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
trans-1,4-dichloro-2-butene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Trichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	**0.27**	1	< 1.0	1
Trichlorofluoromethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Trichlorotrifluoroethane		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Vinyl Chloride	2	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1

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

TABLE 7
26 West Street,
Brooklyn, New York
Groundwater Analytical Results
Semi-Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards	B1 7/25/2014 µg/L		B2 7/25/2014 µg/L		Duplicate (B2) 7/25/2014 µg/L		B4 7/25/2014 µg/L		MW3 10/2/2014 µg/L	
	µg/L	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,2,4-Trichlorobenzene		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
1,2-Dichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Diphenylhydrazine		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
1,3-Dichlorobenzene	3	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,4-Dichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
2,4,5-Trichlorophenol	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
2,4,6-Trichlorophenol	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
2,4-Dichlorophenol		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
2,4-Dimethylphenol		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
2,4-Dinitrophenol	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
2,4-Dinitrotoluene	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
2,6-Dinitrotoluene	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
2-Chloronaphthalene	10	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
2-Chlorophenol	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
2-Methylnaphthalene		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
2-Methylphenol (o-cresol)	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
2-Nitroaniline	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
2-Nitrophenol	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
3&4-Methylphenol (m&p-cresol)		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
3,3'-Dichlorobenzidine	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
3-Nitroaniline	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
4,6-Dinitro-2-methylphenol	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
4-Bromophenyl phenyl ether		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
4-Chloro-3-methylphenol	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
4-Chloroaniline	5	< 3.5	3.5	< 3.5	3.5	< 3.5	3.5	< 3.5	3.5	< 3.5	3.5
4-Chlorophenyl phenyl ether		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
4-Nitroaniline	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
4-Nitrophenol		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Acetophenone		**2.7**	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Aniline	5	< 3.5	3.5	< 3.5	3.5	< 3.5	3.5	< 3.5	3.5	< 3.5	3.5
Anthracene	50	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Benzidine	5	< 4.5	4.5	< 4.5	4.5	< 4.5	4.5	< 4.5	4.5	< 4.5	4.5
Benzoic acid		< 25	25	< 25	25	< 25	25	< 25	25	< 25	25
Benzyl butyl phthalate	50	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Bis(2-chloroethoxy)methane	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Bis(2-chloroethyl)ether	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Bis(2-chloroisopropyl)ether		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Carbazole		< 25	25	< 25	25	< 25	25	< 25	25	< 25	25
Dibenzofuran		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Diethyl phthalate	50	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Dimethylphthalate	50	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Di-n-butylphthalate	50	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Di-n-octylphthalate	50	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Fluoranthene	50	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Fluorene	50	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Hexachlorocyclopentadiene	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Isophorone	50	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Naphthalene	10	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
N-Nitrosodimethylamine		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
N-Nitrosodi-n-propylamine		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
N-Nitrosodiphenylamine	50	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Phenol	50	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Pyrene	50	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Pyridine	50	< 10	10	< 10	10	< 10	10	< 10	10	< 10	10
1,2,4,5-Tetrachlorobenzene		< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
Acenaphthene	20	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Acenaphthylene		< 0.10	0.1	< 0.10	0.1	< 0.10	0.1	< 0.10	0.1	< 0.10	0.1
Benz(a)anthracene	0.002	**0.04**	0.02	**0.02**	0.02	**0.06**	0.02	< 0.02	0.02	**0.02**	0.02
Benzo(a)pyrene		**0.02**	0.02	< 0.02	0.02	**0.04**	0.02	< 0.02	0.02	< 0.02	0.02
Benzo(b)fluoranthene	0.002	**0.03**	0.02	< 0.02	0.02	**0.06**	0.02	< 0.02	0.02	< 0.02	0.02
Benzo(ghi)perylene		< 0.02	0.02	< 0.02	0.02	**0.03**	0.02	< 0.02	0.02	< 0.02	0.02
Benzo(k)fluoranthene	0.002	< 0.02	0.02	< 0.02	0.02	**0.03**	0.02	< 0.02	0.02	< 0.02	0.02
Bis(2-ethylhexyl)phthalate	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Chrysene	0.002	**0.03**	0.02	< 0.02	0.02	**0.06**	0.02	< 0.02	0.02	< 0.02	0.02
Dibenz(a,h)anthracene		< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Hexachlorobenzene	0.04	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Hexachlorobutadiene		< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
Hexachloroethane	5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
Indeno(1,2,3-cd)pyrene	0.002	< 0.02	0.02	< 0.02	0.02	**0.02**	0.02	< 0.02	0.02	< 0.02	0.02
Nitrobenzene		< 0.10	0.1	< 0.10	0.1	< 0.10	0.1	< 0.10	0.1	< 0.10	0.1
Pentachloronitrobenzene		< 0.10	0.1	< 0.10	0.1	< 0.10	0.1	< 0.10	0.1	< 0.10	0.1
Pentachlorophenol	1	< 0.80	0.8	< 0.80	0.8	< 0.80	0.8	< 0.80	0.8	< 0.80	0.8
Phenanthrene	50	< 0.10	0.1	< 0.10	0.1	**0.1**	0.1	< 0.10	0.1	< 0.10	0.1

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

TABLE 8
26 West Street,
Brooklyn, New York
Groundwater Analytical Results
Pesticides/PCBs

Compound	NYSDEC Groundwater Quality Standards	B1 7/25/2014 µg/L		B2 7/25/2014 µg/L		Duplicate (B2) 7/25/2014 µg/L		B4 7/25/2014 µg/L		MW3 10/2/2014 µg/L	
	µg/L	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
PCB-1016	**0.09**	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	< 0.072	0.072
PCB-1221	**0.09**	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	< 0.072	0.072
PCB-1232	**0.09**	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	< 0.072	0.072
PCB-1242	**0.09**	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	< 0.072	0.072
PCB-1248	**0.09**	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	< 0.072	0.072
PCB-1254	**0.09**	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	< 0.072	0.072
PCB-1260	**0.09**	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	< 0.072	0.072
PCB-1262	**0.09**	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	< 0.072	0.072
PCB-1268	**0.09**	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	< 0.072	0.072
4,4-DDD	**0.3**	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01
4,4-DDE	**0.2**	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.015	0.015	< 0.010	0.01
4,4-DDT	**0.11**	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01
a-BHC	**0.94**	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
a-Chlordane		< 0.010	0.01	< 0.025	0.025	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01
Alachlor		< 0.075	0.075	< 0.075	0.075	< 0.075	0.075	< 0.075	0.075	< 0.075	0.075
Aldrin		< 0.002	0.002	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002
b-BHC	**0.04**	< 0.012	0.012	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
Chlordane	**0.05**	< 0.030	0.03	< 0.030	0.03	< 0.030	0.03	< 0.030	0.03	< 0.050	0.05
d-BHC	**0.04**	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
Dieldrin	**0.004**	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002
Endosulfan I		< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01
Endosulfan II		< 0.017	0.017	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01
Endosulfan Sulfate		< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01
Endrin		< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.015	0.015	< 0.010	0.01
Endrin aldehyde	**5**	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01
Endrin ketone		< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01
gamma-BHC	**0.05**	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.008	0.008	< 0.005	0.005
g-Chlordane		< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01
Heptachlor	**0.04**	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01
Heptachlor epoxide	**0.03**	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01
Methoxychlor	**35**	< 0.10	0.1	< 0.10	0.1	< 0.10	0.1	< 0.10	0.1	< 0.10	0.1
Toxaphene		< 0.20	0.2	< 0.20	0.2	< 0.20	0.2	< 0.20	0.2	< 0.25	0.25

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

Table 9
26 West Street,
Brooklyn, New York
Groundwater Analytical Results
TAL Filtered Metals

Compound	NYSDEC Groundwater Quality Standards	B1 7/25/2014 mg/L		B2 7/25/2014 mg/L		Duplicate (B2) 7/25/2014 mg/L		B4 7/25/2014 mg/L		MW3 10/2/2014 mg/L	
	mg/L	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Aluminum	**NS**	**0.15**	0.01	**0.16**	0.01	**0.16**	0.01	**0.79**	0.01	**0.63**	0.01
Antimony	**0.003**	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003
Arsenic	**0.025**	< 0.003	0.003	**0.002**	0.003	**0.003**	0.003	**0.002**	0.003	< 0.003	0.003
Barium	**1**	**0.212**	0.011	**0.336**	0.011	**0.024**	0.011	**0.342**	0.011	**0.027**	0.011
Beryllium	**0.003**	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001
Cadmium	**0.005**	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004
Calcium	**NS**	**497**	0.11	**174**	0.11	**121**	0.01	**182**	0.11	**34.7**	0.01
Chromium	**0.05**	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	**0.002**	0.001	**0.002**	0.001
Cobalt	**NS**	**0.004**	0.005	**0.004**	0.005	< 0.005	0.005	**0.004**	0.005	< 0.005	0.005
Copper	**0.2**	**0.001**	0.005	**0.003**	0.005	< 0.005	0.005	**0.004**	0.005	**0.001**	0.005
Iron	**0.5**	**0.07**	0.01	**0.47**	0.01	**0.09**	0.01	**1.85**	0.01	**0.62**	0.01
Lead	**0.025**	< 0.002	0.002	**0.001**	0.002	**0.003**	0.002	**0.006**	0.002	< 0.002	0.002
Magnesium	**35**	**26.6**	0.01	**27.4**	0.01	**21**	0.01	**28.1**	0.01	**9.35**	0.01
Manganese	**0.3**	**1.21**	0.005	**2.78**	0.053	**0.214**	0.005	**3.04**	0.053	**0.06**	0.005
Mercury	**0.0007**	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002
Nickel	**0.1**	**0.006**	0.004	**0.003**	0.004	< 0.004	0.004	**0.004**	0.004	**0.001**	0.004
Potassium	**NS**	**22.3**	0.1	**12.8**	0.1	**8.7**	0.1	**13**	0.1	**5.9**	0.1
Selenium	**0.01**	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004
Silver	**0.05**	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
Sodium	**2**	**249**	1.1	**328**	1.1	**61.5**	0.11	**327**	1.1	**58.5**	1.1
Thallium	**0.0005**	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001
Vanadium	**NS**	**0.001**	0.011	< 0.011	0.011	**0.002**	0.011	**0.002**	0.011	**0.003**	0.011
Zinc	**2**	**0.011**	0.011	**0.003**	0.011	**0.002**	0.011	**0.005**	0.011	**0.006**	0.011

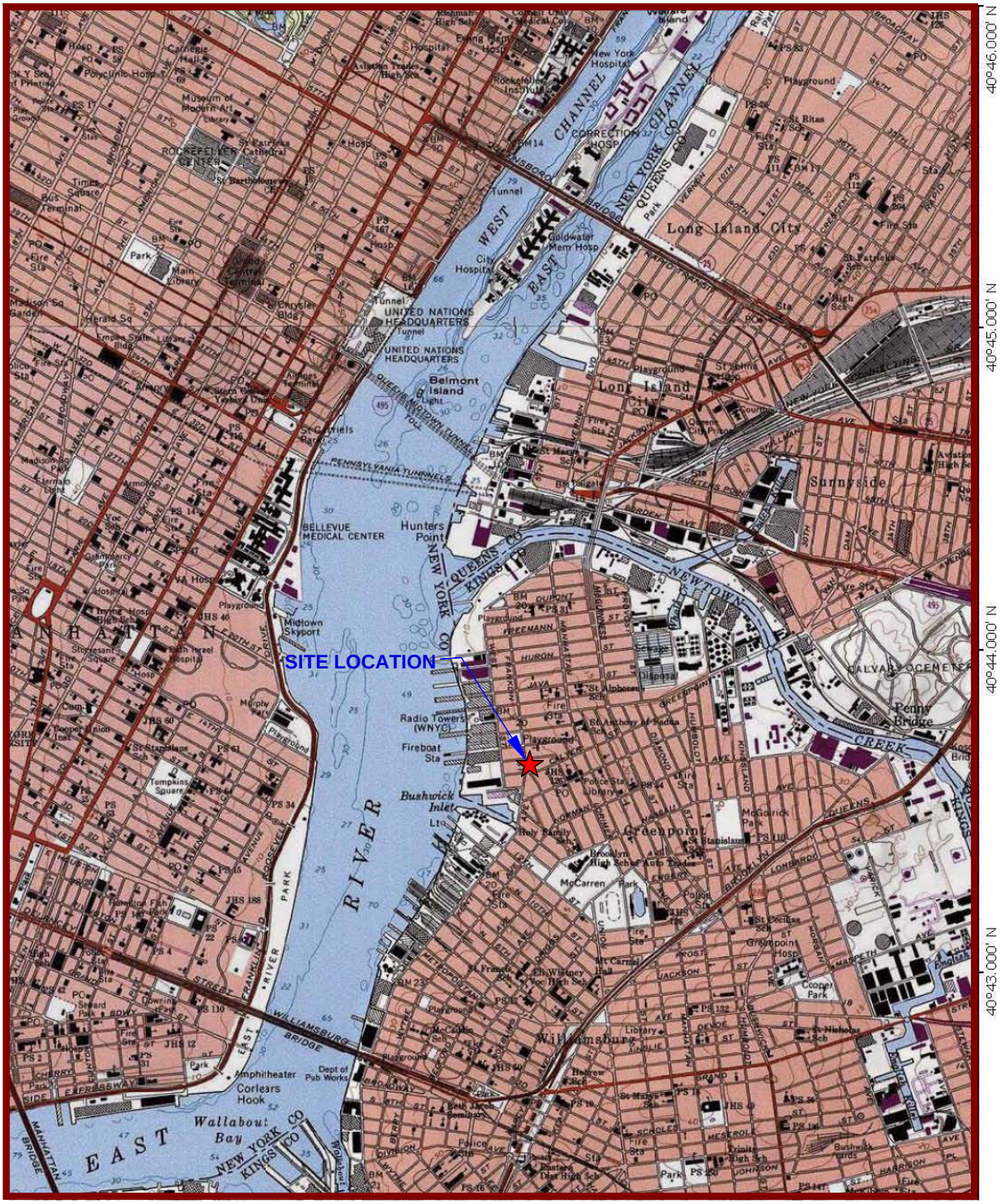
Notes:
RL - Reporting Limit
NS - No Standard
Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 10
26 West Street,
Brooklyn, New York
Soil Gas - Volatile Organic Compounds

COMPOUNDS	NYSDOH Maximum Sub-Slab Value (µg/m³) [a]	NYSDOH Soil Outdoor Background Levels (µg/m³) [b]	SG-1 7/22/2014 (µg/m3)		SG-2 7/22/2014 (µg/m3)		SG-3 7/22/2014 (µg/m3)		SG-4 7/22/2014 (µg/m3)		SG-5 10/2/2014 (µg/m3)		SG-6 10/2/2014 (µg/m3)		SG-7 10/2/2014 (µg/m3)	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane			< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	2.26	1	< 1.00	1
1,1,1-Trichloroethane	100	<2.0 - 2.8	< 1.00	1	6.6	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	3.92	1
1,1,2,2-Tetrachloroethane		<1.5	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	1.17	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	< 1.00	1	< 1.00	1
1,1-Dichloroethane		<1.0	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,1-Dichloroethene		<1.0	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,2,4-Trichlorobenzene		NA	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,2,4-Trimethylbenzene		<1.0	75.2	1	108	1	94.3	1	83.5	1	4.62	1	5.4	1	3.98	1
1,2-Dibromoethane		<1.5	< 1.00	1	< 1.00	1	< 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	< 1.00	1	< 1.00	1
1,2-Dichloroethane		<1.0	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,2-Dichloropropane			< 1.00	1	< 1.00	1	< 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	< 1.00	1	< 1.00	1
1,3,5-Trimethylbenzene		<1.0	20.1	1	31	1	28.7	1	25.4	1	1.96	1	1.62	1	< 1.00	1
1,3-Butadiene		NA	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	1.44	1	< 1.00	1
1,3-Dichlorobenzene		<2.0	2.88	1	8.53	1	2.1	1	< 1.00	1	5.05	1	5.23	1	4.57	1
1,4-Dichlorobenzene		NA	< 1.00	1	< 1.00	1	< 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	< 1.00	1	< 1.00	1
2-Hexanone			89.6	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	1.8	1	< 1.00	1
4-Ethyltoluene		NA	13	1	20.7	1	19.8	1	15.9	1	< 1.00	1	3.78	1	< 1.00	1
4-Isopropyltoluene			5.27	1	8.83	1	4.39	1	4.55	1	< 1.00	1	< 1.00	1	< 1.00	1
4-Methyl-2-pentanone			5.98	1	20.1	1	14.6	1	16.2	1	< 1.00	1	1.23	1	1.19	1
Acetone		NA	439	1	292	1	193	1	17.6	1	366	1	256	1	475	1
Acrylonitrile			< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Benzene		<1.6 - 4.7	< 1.00	1	3.74	1	2.65	1	2.04	1	18.2	1	18.9	1	2.39	1
Benzyl Chloride		NA	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Bromodichloromethane		<5.0	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Bromoform		<1.0	< 1.00	1	< 1.00	1	< 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	< 1.00	1	< 1.00	1
Carbon Disulfide		NA	2.02	1	2.15	1	4.64	1	1.09	1	3.98	1	34.5	1	12.7	1
Carbon Tetrachloride	5	<3.1	< 0.25	0.25	0.314	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25
Chlorobenzene		<2.0	< 1.00	1	< 1.00	1	< 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	< 1.00	1	< 1.00	1
Chloroform		<2.4	< 1.00	1	1.32	1	< 1.00	1	9.32	1	< 1.00	1	1.37	1	1.07	1
Chloromethane		<1.0 - 1.4	< 1.00	1	< 1.00	1	< 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	< 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	< 1.00	1	< 1.00	1
Cyclohexane		NA	< 1.00	1	< 1.00	1	1.1	1	< 1.00	1	< 1.00	1	1.48	1	1.27	1
Dibromochloromethane		<5.0	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Dichlorodifluromethane		NA	2.12	1	2.32	1	2.12	1	1.68	1	3.56	1	2.67	1	1.78	1
Ethanol			137	1	474	1	552	1	591	1	48.8	1	36.5	1	52.3	1
Ethyl Acetate		NA	2.99	1	14.7	1	6.88	1	9.47	1	< 1.00	1	< 1.00	1	< 1.00	1
Ethylbenzene		<4.3	9.76	1	24.2	1	31.7	1	25.4	1	16.4	1	23.5	1	5.12	1
Heptane		NA	5.08	1	4.18	1	4.96	1	3.64	1	93	1	2.95	1	2.01	1
Hexachlorobutadiene		NA	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Hexane		<1.5	2.36	1	1.9	1	2.15	1	1.41	1	178	1	2.85	1	2.71	1
Isopropylalcohol		NA	10.1	1	5.04	1	4.22	1	4.2	1	4.03	1	2.65	1	4.1	1
Isopropylbenzene			3.1	1	6.09	1	5.65	1	5.5	1	1.18	1	< 1.00	1	< 1.00	1
Xylene (m&p)		<4.3	40.7	1	89.4	1	113	1	93.3	1	51.2	1	94.6	1	20.1	1
Methyl Ethyl Ketone			169	1	35.4	1	34.2	1	4.21	1	14.1	1	11.6	1	12.4	1
MTBE		NA	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Methylene Chloride		<3.4	< 1.00	1	1.74	1	2.4	1	< 1.00	1	1.8	1	1.18	1	1.91	1
n-Butylbenzene			7.35	1	9.93	1	5.98	1	< 1.00	1	1.37	1	1.59	1	1.32	1
Xylene (o)		<4.3	20.3	1	40.7	1	48.6	1	42.2	1	18.7	1	30.8	1	6.6	1
Propylene		NA	30.1	1	4.56	1	4.42	1	< 1.00	1	< 1.00	1	4.85	1	< 1.00	1
sec-Butylbenzene			3.51	1	6.69	1	2.41	1	3.29	1	< 1.00	1	< 1.00	1	< 1.00	1
Styrene		<1.0	22.7	1	50.2	1	54.5	1	45.6	1	2.81	1	3.24	1	2.38	1
Tetrachloroethene	100		10.2	0.25	4.81	0.25	5.76	0.25	2.91	0.25	2.44	0.25	3.12	0.25	2.64	0.25
Tetrahydrofuran		NA	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Toluene		1.0 - 6.1	94.16	1	30.7	1	33.7	1	24.7	1	89.2	1	55.4	1	24.6	1
trans-1,2-Dichloroethene		NA	< 1.00	1	< 1.00	1	< 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	< 1.00	1	< 1.00	1
Trichloroethene	5	<1.7	1.34	0.25	< 0.25	0.25	0.43	0.25	0.322	0.25	0.268	0.25	0.859	0.25	8.32	0.25
Trichlorofluoromethane		NA	2.19	1	2.58	1	2.24	1	1.96	1	83.7	1	4.04	1	6.62	1
Trichlorotrifluoroethane			< 1.00	1	< 1.00	1	< 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	< 0.25	0.25	< 0.25	0.25
BTEX			164.92		188.74		229.65		187.64		205.33		235.45		67.39	
Total VOCs			1227.11		1312.42		1282.6		1036.39		1010.368		620.839		661	

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 Database, Outdoor values)

FIGURES



USGS Brooklyn Quadrangle 1995, Contour Interval = 10 feet

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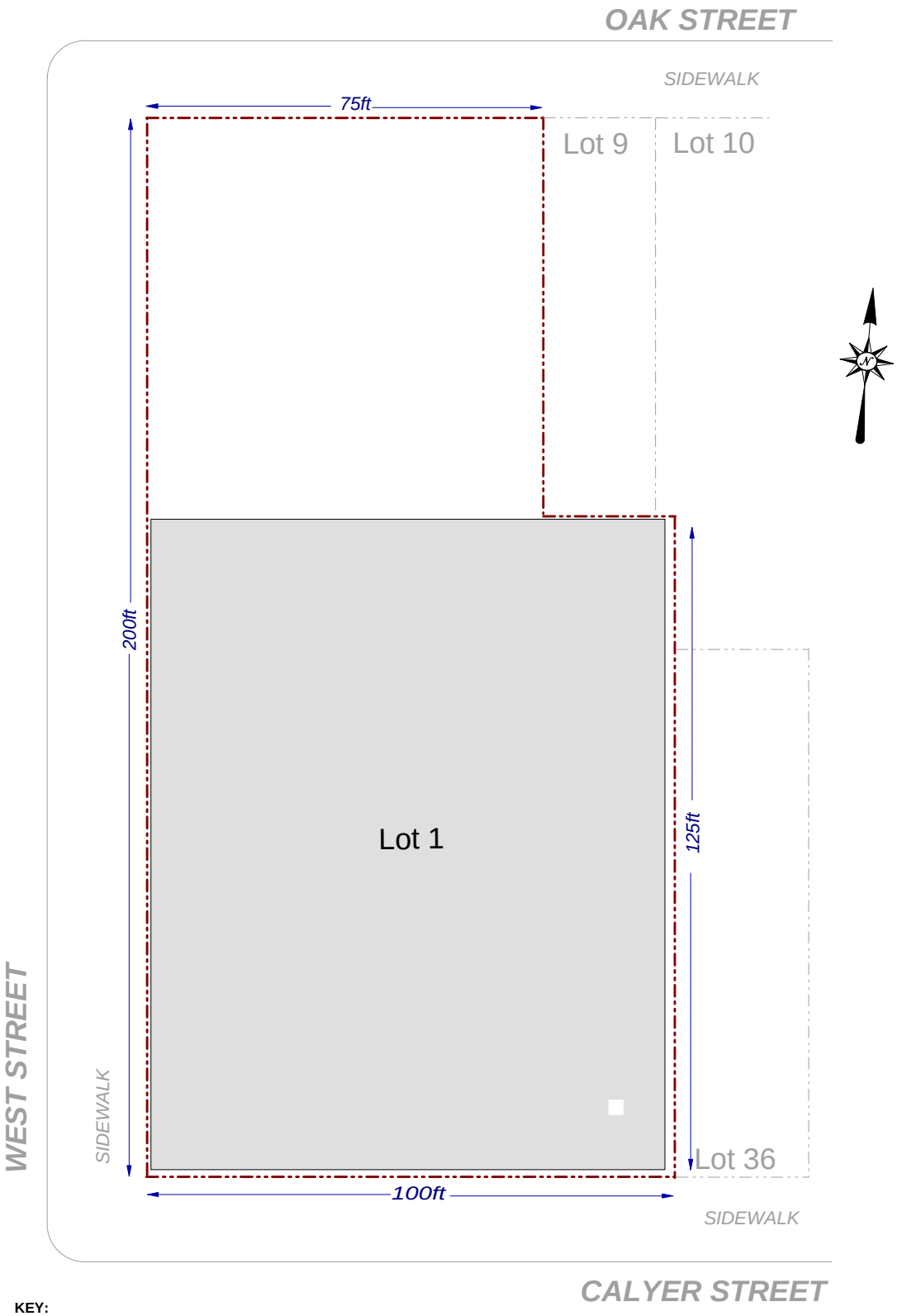
REDEVELOPMENT SITE
26 WEST STREET, BROOKLYN, NY

FIGURE 1 SITE LOCATION MAP



KEY:

Property Boundary

SCALE:

0 15 30

Scale: 1 inch = 30 feet

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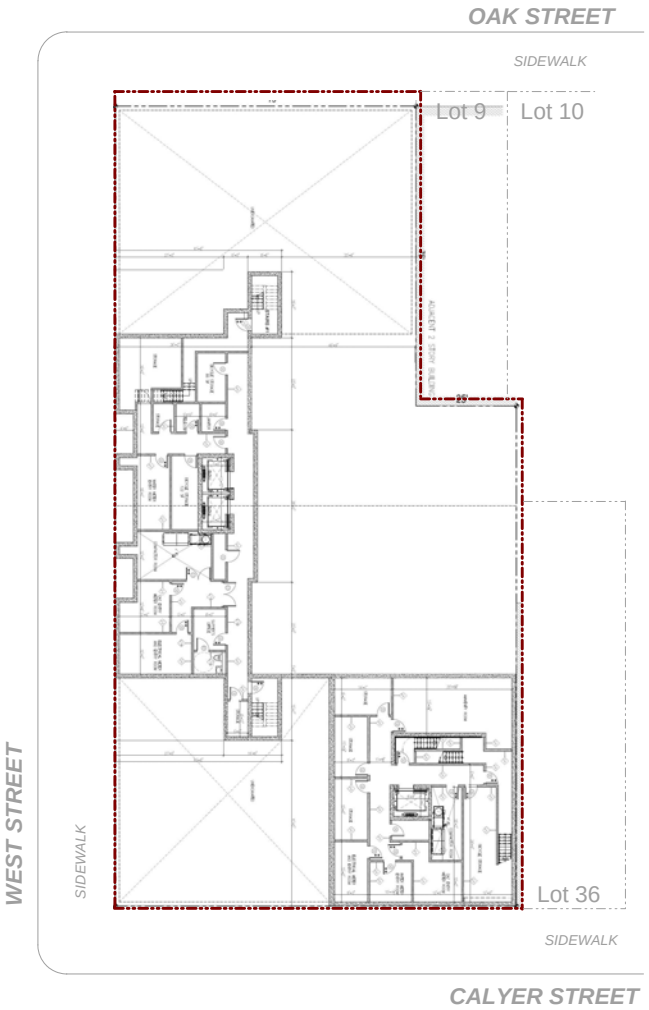
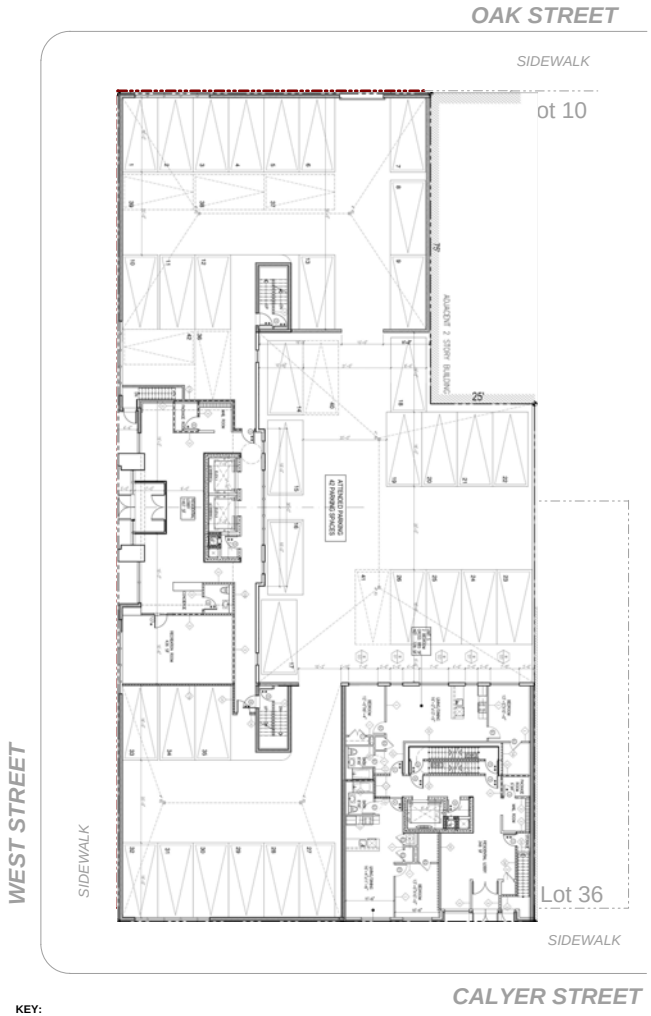
Figure No. 2

Site Name:	Redevelopment Project
Site Address:	26 West Street, Brooklyn, NY
Drawing Title:	Site Boundary Map

CELLAR FLOOR PLAN



FIRST FLOOR PLAN



KEY:

SCALE:

0 15 30

Scale: 1 inch = 30 feet

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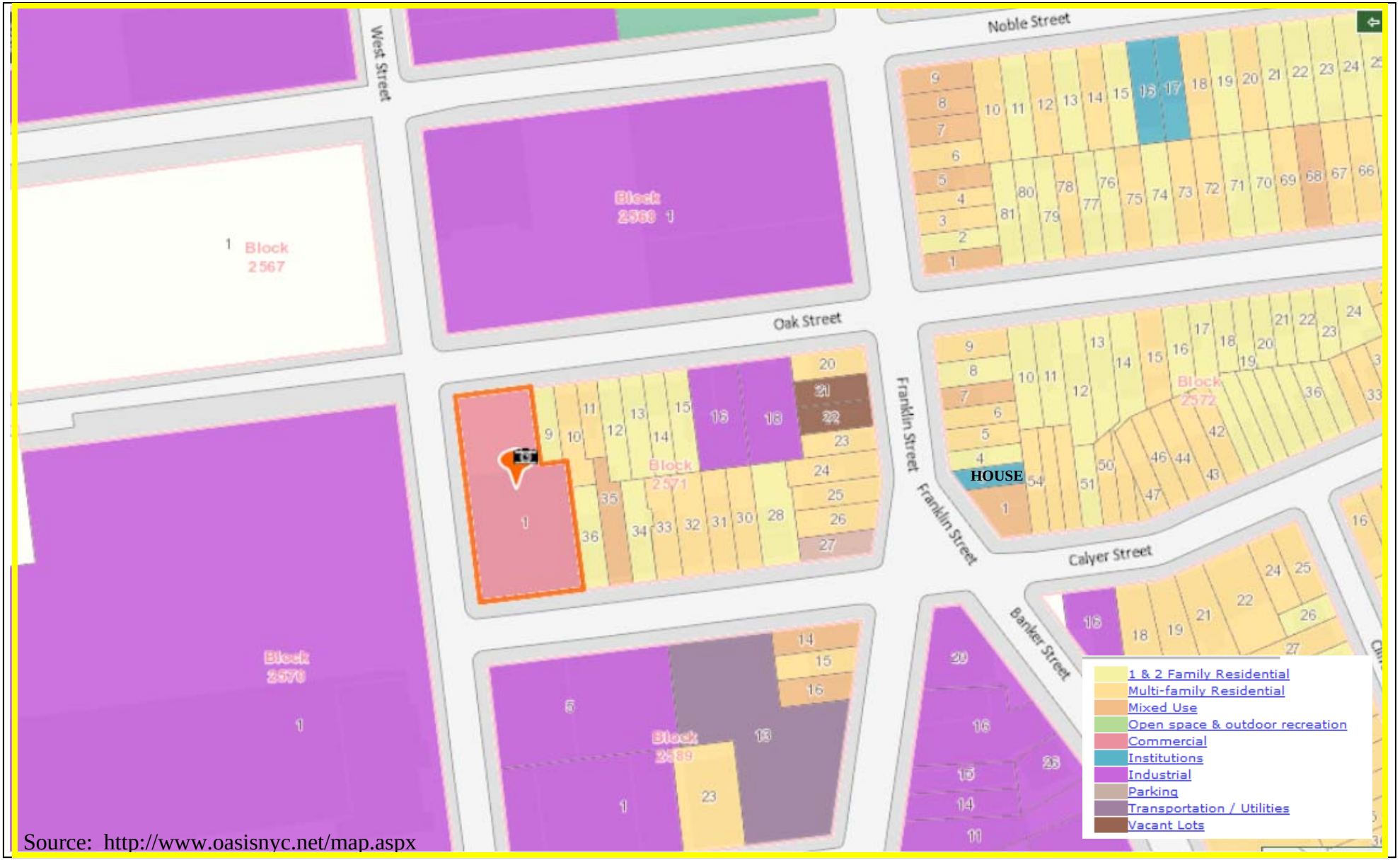
Figure No. 3

Site Name: Redevelopment Project

Site Address: 26 West Street, Brooklyn, NY

Drawing Title: Redevelopment Plan



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

FIGURE 4

SURROUNDING LAND USE MAP

26 WEST STREET, BROOKLYN NY

HAZARDOUS MATERIALS REMEDIAL INVESTIGATION REPORT

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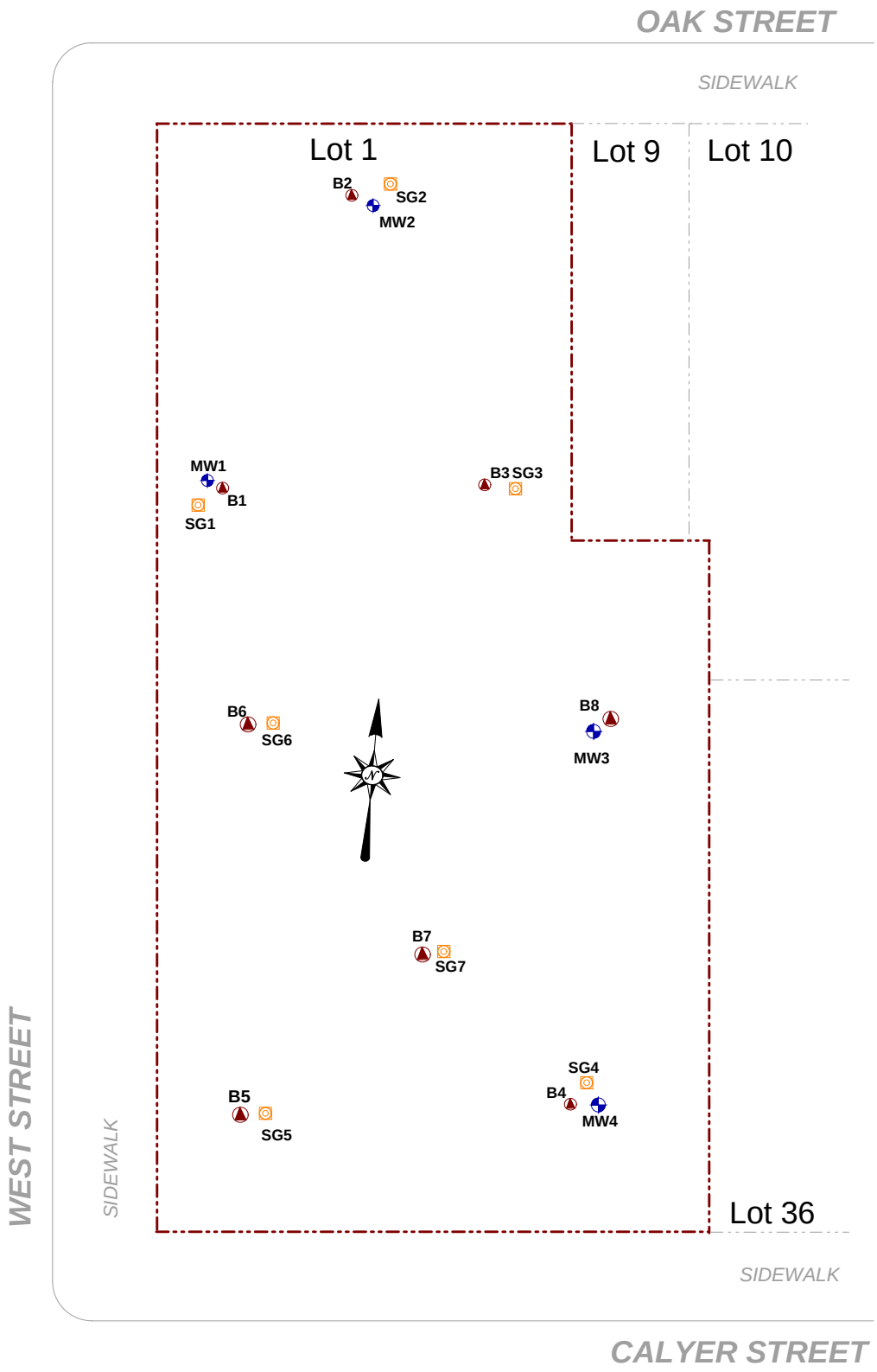
1808 MIDDLE COUNTRY ROAD, RIDGE, NEW YORK 11961
PHONE: (631) 504-6000 FAX: (631) 924-2870



KEY:

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

SCALE:

0 15 30

Scale: 1 inch = 30 feet

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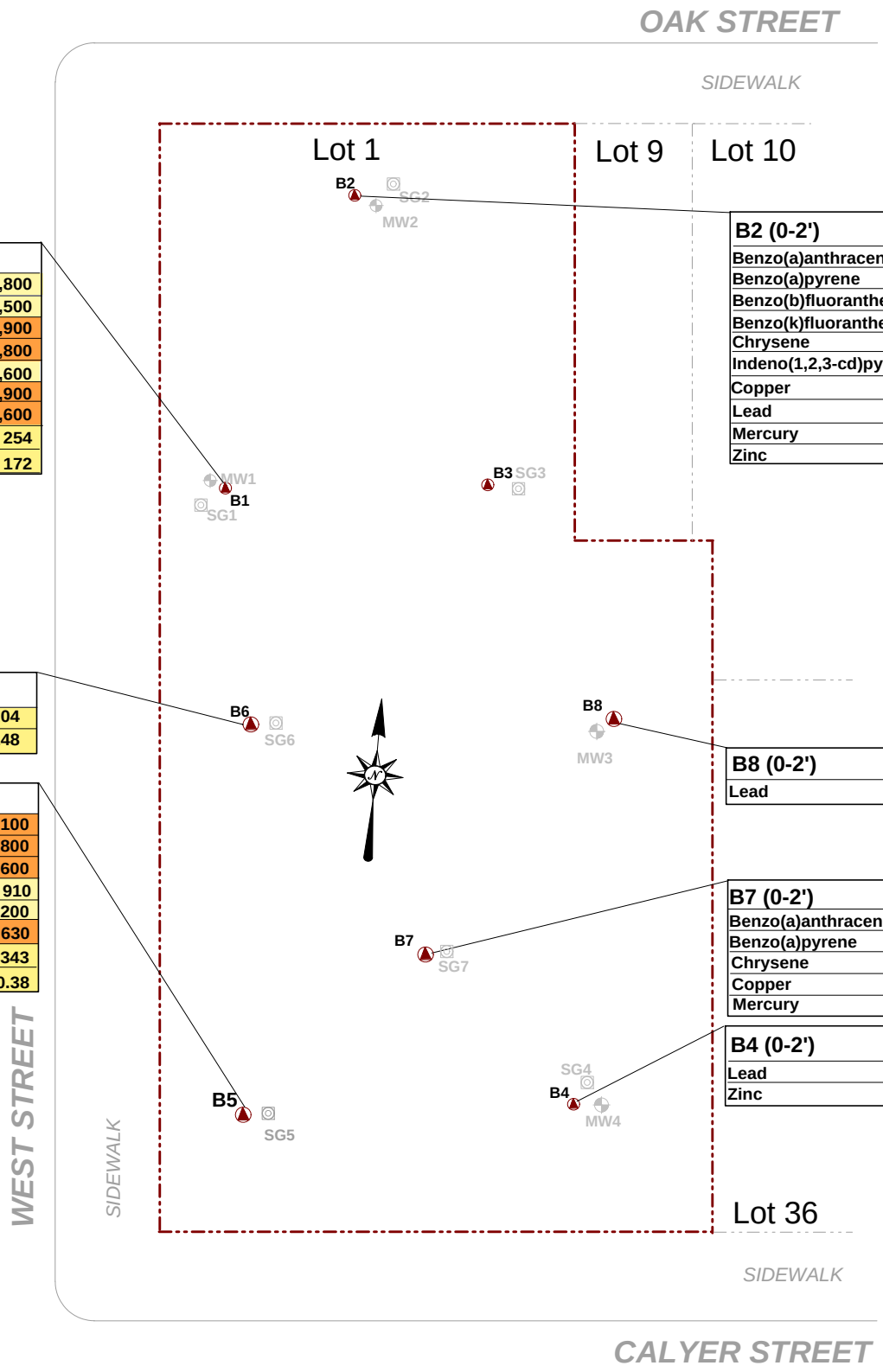
Figure No. 5

Site Name:	Redevelopment Project
Site Address:	26 West Street, Brooklyn, NY
Drawing Title:	Site Sampling Locations



B1 (0-2')	
Anthracene	1,800
Benzo(a)anthracene	4,500
Benzo(a)pyrene	3,900
Benzo(b)fluoranthene	5,800
Benzo(k)fluoranthene	1,600
Chrysene	4,900
Phenanthrene	6,600
Lead	254
Zinc	172

B2 (0-2')	
Benzo(a)anthracene	9,100
Benzo(a)pyrene	9,700
Benzo(b)fluoranthene	12,000
Benzo(k)fluoranthene	4,300
Chrysene	9,100
Indeno(1,2,3-cd)pyrene	4,500
Copper	52.4
Lead	801
Mercury	1.08
Zinc	272

B6 (0-2')	
Lead	204
Zinc	148

B8 (0-2')	
Lead	170

B5 (0-2')	
Benzo(a)anthracene	2,100
Benzo(a)pyrene	1,800
Benzo(b)fluoranthene	2,600
Benzo(k)fluoranthene	910
Chrysene	2,200
Indeno(1,2,3-cd)pyrene	630
Lead	343
Mercury	0.38

B7 (0-2')	
Benzo(a)anthracene	1,200
Benzo(a)pyrene	1,300
Chrysene	1,200
Copper	55.1
Mercury	0.2

B4 (0-2')	
Lead	322
Zinc	135

KEY:

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

SCALE:

0 15 30

Scale: 1 inch = 30 feet

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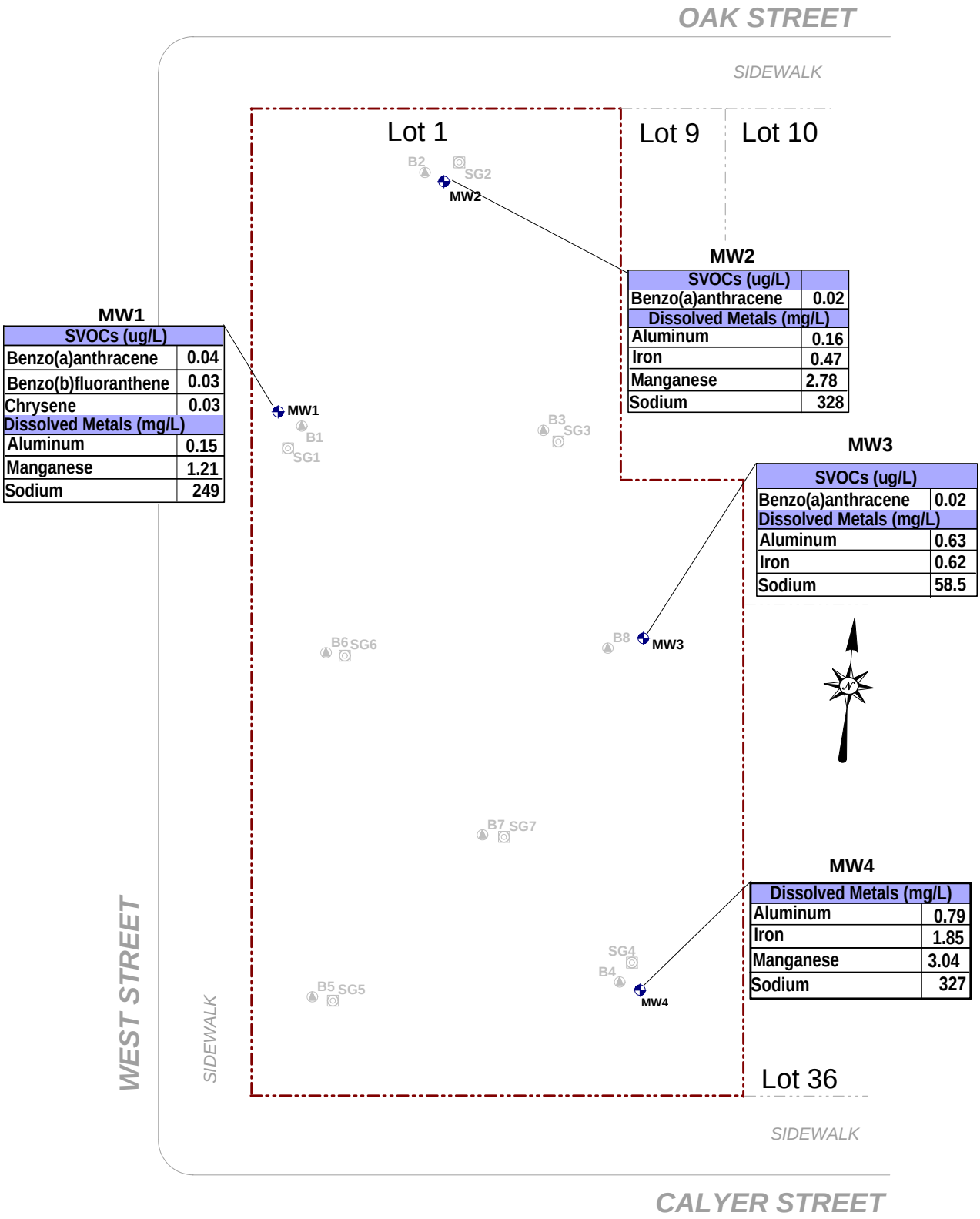
Figure No. 6

Site Name: Redevelopment Project

Site Address: 26 West Street, Brooklyn, NY

Drawing Title: Soil Exceedences Map



KEY:

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

SCALE:

0 15 30

Scale: 1 inch = 30 feet

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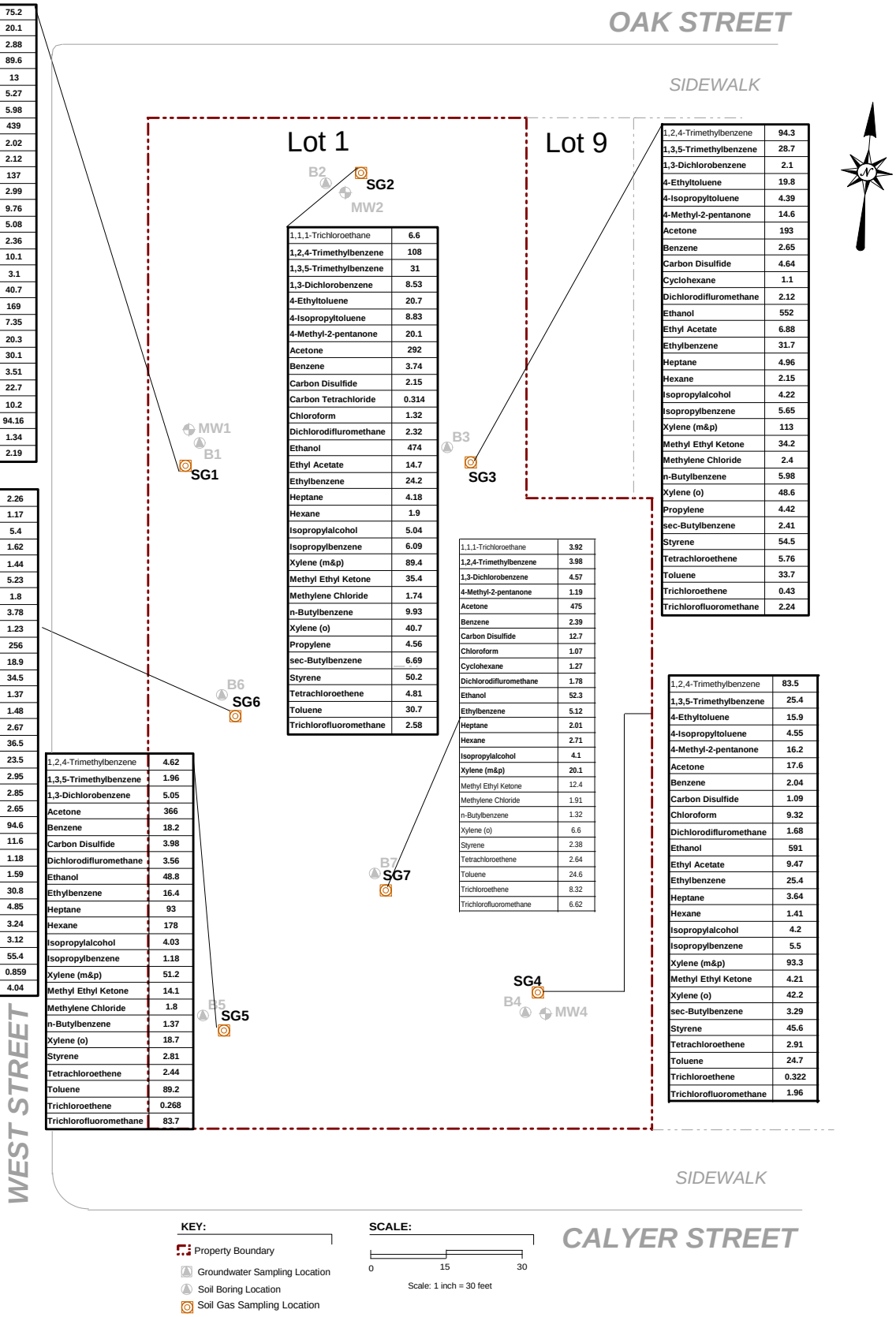
Figure No. 7

Site Name:	Redevelopment Project
Site Address:	26 West Street, Brooklyn, NY
Drawing Title:	Groundwater Exceedences Map



1,2,4-Trimethylbenzene	75.2
1,3,5-Trimethylbenzene	20.1
1,3-Dichlorobenzene	2.88
2-Hexanone	89.6
4-Ethyltoluene	13
4-Isopropyltoluene	5.27
4-Methyl-2-pentanone	5.98
Acetone	439
Carbon Disulfide	2.02
Dichlorodifluromethane	2.12
Ethanol	137
Ethyl Acetate	2.99
Ethylbenzene	9.76
Heptane	5.08
Hexane	2.36
Isopropylalcohol	10.1
Isopropylbenzene	3.1
Xylene (m&p)	40.7
Methyl Ethyl Ketone	169
n-Butylbenzene	7.35
Xylene (o)	20.3
Propylene	30.1
sec-Butylbenzene	3.51
Styrene	22.7
Tetrachloroethene	10.2
Toluene	94.16
Trichloroethene	1.34
Trichlorofluoromethane	2.19

1,1,1,2-Tetrachloroethane	2.26
1,1,2,2-Tetrachloroethane	1.17
1,2,4-Trimethylbenzene	5.4
1,3,5-Trimethylbenzene	1.62
1,3-Butadiene	1.44
1,3-Dichlorobenzene	5.23
2-Hexanone	1.8
4-Ethyltoluene	3.78
4-Methyl-2-pentanone	1.23
Acetone	256
Benzene	18.9
Carbon Disulfide	34.5
Chloroform	1.37
Cyclohexane	1.48
Dichlorodifluromethane	2.67
Ethanol	36.5
Ethylbenzene	23.5
Heptane	2.95
Hexane	2.85
Isopropylalcohol	2.65
Xylene (m&p)	94.6
Methyl Ethyl Ketone	11.6
Methylene Chloride	1.18
n-Butylbenzene	1.59
Xylene (o)	30.8
Propylene	4.85
Styrene	3.24
Tetrachloroethene	3.12
Toluene	55.4
Trichloroethene	0.859
Trichlorofluoromethane	4.04

1,2,4-Trimethylbenzene	4.62
1,3,5-Trimethylbenzene	1.96
1,3-Dichlorobenzene	5.05
Acetone	366
Benzene	18.2
Carbon Disulfide	3.98
Dichlorodifluromethane	3.56
Ethanol	48.8
Ethylbenzene	16.4
Heptane	93
Hexane	178
Isopropylalcohol	4.03
Isopropylbenzene	1.18
Xylene (m&p)	51.2
Methyl Ethyl Ketone	14.1
Methylene Chloride	1.8
n-Butylbenzene	1.37
Xylene (o)	18.7
Styrene	2.81
Tetrachloroethene	2.44
Toluene	89.2
Trichloroethene	0.268
Trichlorofluoromethane	83.7

1,1,1-Trichloroethane	6.6
1,2,4-Trimethylbenzene	108
1,3,5-Trimethylbenzene	31
1,3-Dichlorobenzene	8.53
4-Ethyltoluene	20.7
4-Isopropyltoluene	8.83
4-Methyl-2-pentanone	20.1
Acetone	292
Benzene	3.74
Carbon Disulfide	2.15
Carbon Tetrachloride	0.314
Chloroform	1.32
Dichlorodifluromethane	2.32
Ethanol	474
Ethyl Acetate	14.7
Ethylbenzene	24.2
Heptane	4.18
Hexane	1.9
Isopropylalcohol	5.04
Isopropylbenzene	6.09
Xylene (m&p)	89.4
Methyl Ethyl Ketone	35.4
Methylene Chloride	1.74
n-Butylbenzene	9.93
Xylene (o)	40.7
Propylene	4.56
sec-Butylbenzene	6.69
Styrene	50.2
Tetrachloroethene	4.81
Toluene	30.7
Trichlorofluoromethane	2.58

1,1,1-Trichloroethane	3.92
1,2,4-Trimethylbenzene	3.98
1,3-Dichlorobenzene	4.57
4-Methyl-2-pentanone	1.19
Acetone	475
Benzene	2.39
Carbon Disulfide	12.7
Chloroform	1.07
Cyclohexane	1.27
Dichlorodifluromethane	1.78
Ethanol	52.3
Ethylbenzene	5.12
Heptane	2.01
Hexane	2.71
Isopropylalcohol	4.1
Xylene (m&p)	20.1
Methyl Ethyl Ketone	12.4
Methylene Chloride	1.91
n-Butylbenzene	1.32
Xylene (o)	6.6
Styrene	2.38
Tetrachloroethene	2.64
Toluene	24.6
Trichloroethene	8.32
Trichlorofluoromethane	6.62

1,2,4-Trimethylbenzene	94.3
1,3,5-Trimethylbenzene	28.7
1,3-Dichlorobenzene	2.1
4-Ethyltoluene	19.8
4-Isopropyltoluene	4.39
4-Methyl-2-pentanone	14.6
Acetone	193
Benzene	2.65
Carbon Disulfide	4.64
Cyclohexane	1.1
Dichlorodifluromethane	2.12
Ethanol	552
Ethyl Acetate	6.88
Ethylbenzene	31.7
Heptane	4.96
Hexane	2.15
Isopropylalcohol	4.22
Isopropylbenzene	5.65
Xylene (m&p)	113
Methyl Ethyl Ketone	34.2
Methylene Chloride	2.4
n-Butylbenzene	5.98
Xylene (o)	48.6
Propylene	4.42
sec-Butylbenzene	2.41
Styrene	54.5
Tetrachloroethene	5.76
Toluene	33.7
Trichloroethene	0.43
Trichlorofluoromethane	2.24

1,2,4-Trimethylbenzene	83.5
1,3,5-Trimethylbenzene	25.4
4-Ethyltoluene	15.9
4-Isopropyltoluene	4.55
4-Methyl-2-pentanone	16.2
Acetone	17.6
Benzene	2.04
Carbon Disulfide	1.09
Chloroform	9.32
Dichlorodifluromethane	1.68
Ethanol	591
Ethyl Acetate	9.47
Ethylbenzene	25.4
Heptane	3.64
Hexane	1.41
Isopropylalcohol	4.2
Isopropylbenzene	5.5
Xylene (m&p)	93.3
Methyl Ethyl Ketone	4.21
Xylene (o)	42.2
sec-Butylbenzene	3.29
Styrene	45.6
Tetrachloroethene	2.91
Toluene	24.7
Trichloroethene	0.322
Trichlorofluoromethane	1.96

KEY:

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

SCALE:

0 15 30

Scale: 1 inch = 30 feet

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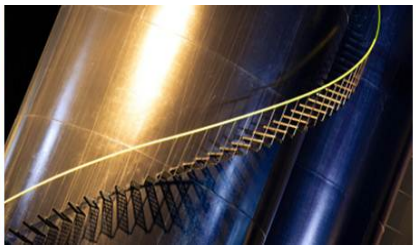
Figure No. 8

Site Name: Redevelopment Site

Site Address: 26 West Street, Brooklyn, NY

Drawing Title: Posted Soil Vapor Detections

ATTACHMENT A
PHASE I REPORT



Phase I Environmental Site Assessment

Penguin Air Conditioning Corp
26 West Street
Brooklyn, New York

Prepared for:
EMCOR Group, Inc.
Norwalk, Connecticut

Prepared by:
ENVIRON International Corporation
Newark, New Jersey

Date:
January 2014

Project Number:
02-33710A

ENVIRON

Signature and Environmental Professional Statement

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312.

We have the specific qualifications based on education, training, and experience to assess a property of the nature, history and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Tavia Rutledge
Senior Manager

Thomas V. Fusillo
Principal

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Appendix D: Qualifications of Environmental Professionals

1 Summary of Conclusions

ENVIRON International Corporation (ENVIRON) was retained by EMCOR Group, Inc. (EMCOR) to perform a Phase I Environmental Site Assessment (ESA) of the Penguin Air Conditioning Corp. (Penguin ACC or the "Company") property located at 26 West Street in Brooklyn, New York (herein referred to as the "facility," "property," or the "site"). ENVIRON's assessment was conducted in connection with a potential sale of the property. The objective of the Phase I ESA, which was conducted in conformance with the scope and limitations of ASTM International's *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* E1527-05 (the "ASTM Standard"), was to identify Recognized Environmental Conditions (RECs), as defined in the ASTM Standard (see Section 2.1).

1.1 Site Summary

Penguin ACC, a general contractor specializing in mechanical and electrical services, owns and operates an office facility in Brooklyn, New York. The approximately 0.4-acre site is improved with an approximately 12,500-square-foot building. The site was first developed in the 1880s (and potentially earlier) for residential and industrial purposes. Prior site occupants have included warehousing and distribution, iron working, lumber yard activities, vehicle repair and sales, and a trade school. Since 1984 or 1986, Penguin ACC has owned and operated the site.

1.2 Recognized Environmental Conditions

ENVIRON performed a Phase I ESA of the site at 26 West Street in Brooklyn, New York in conformance with the scope and limitations of the ASTM Standard. Any exceptions to, or deletions from, this practice are described in Section 3.8 of this report. This assessment has revealed no RECs in connection with the site.

1.3 Other Findings

Although not considered RECs based on currently available information, ENVIRON identified the following other findings. The term "other finding" is not defined by ASTM; rather, ENVIRON uses the term to connote areas of contingent risk that do not clearly fall within the definition of a REC.

- **Past Operations at the Site.** The site has been used for various industrial, commercial and residential purposes since at least the 1880s. Due to the extended history of the site, not all former operations are known; however, known notable prior operations have included warehousing (1880s-1900s), iron working (1900s-1910s), unknown operations (1910s-1920s), lumber yard (1930s-1960s), and vehicle repair, sale of auto supplies, vehicle rental, vehicle storage and a trade school (1970s-1980s). These former industrial operations may have included the use of petroleum products, solvents, adhesives, paints and other chemicals. The historical handling, disposal, and use of these chemicals were not strictly regulated, controlled, or monitored during the sites early operational history (starting in 1887). No subsurface characterization activities are known to have been conducted at the property, and the property is not currently the subject of regulatory scrutiny related to contamination matters. Absent further information regarding the specific nature of historical chemical use, chemical handling practices, and associated wastes, ENVIRON cannot rule

out the possibility that spills or releases of chemicals or petroleum products may have adversely affected the soil and groundwater conditions at the site.

- **Potential Migration of Contamination from Off-site Properties.** The site is located in the presumed downgradient direction from several off-site properties listed with open database listings related to potential soil and groundwater contamination. These off-site properties include Huxley Envelope Corp (located 0.3 miles north of the site; listed in the Spills database), 176 McGuinness Boulevard (located 0.44 miles east of the site; listed in the leaking tanks database), the Former Ney Smelting and Refining Company (located 0.62 miles north of the site; listed in the state hazardous waste site database), Carbona Products Co (located 0.68 miles north of the site; listed in the state hazardous waste site database) and Mobil Green Point (located 0.76 miles east-northeast of the site; listed in the Spills and leaking tanks databases). There has been no apparent regulatory impetus to investigate whether contamination from these properties has migrated to the subject site. If contamination associated with these off-site properties is found to have migrated onto the subject site, it is expected that any remedial activities would be the responsibility of the entities named in the listings or other designated responsible parties and not Penguin ACC.

2 Introduction

2.1 Purpose

ENVIRON was retained by EMCOR to conduct a Phase I ESA of the Penguin ACC property located in Brooklyn, New York. ENVIRON's assessment was conducted in connection with a potential sale of the property. The purpose of the assessment was to identify RECs, which are defined in the ASTM Standard as:

> "The presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* are not recognized environmental conditions."

2.2 Scope of the Assessment

ENVIRON completed the following tasks, consistent with the ASTM Standard, during its Phase I ESA of the property:

- A visit to the site by Bill Holm of ENVIRON on December 4, 2013 to observe the exterior and interior features of the site and to identify the uses and conditions specified in the ASTM Standard. In addition, ENVIRON observed the adjoining properties from the site or adjacent public thoroughfares. Photographs taken during the site visit are presented in Appendix A.
- An interview during the site visit with the following Penguin employee (year of initial hire at the site indicated in parentheses): Frank Gibbons, Chief Operating Office (2003). The aforementioned individual is referred to herein as "facility personnel". The facility personnel interviewed by ENVIRON were identified by the Company as having good knowledge of the uses and physical characteristics of the site.
- A review of information contained in federal and state environmental databases, as obtained from the sources noted below:
  - A radius report prepared by Environmental Data Resources, Inc. (EDR, see Appendix B), which presents the results of searches of federal and state databases for the subject site, as well as properties near the subject site. The radius searched for each database, as well as the databases themselves, was selected in accordance with the ASTM Standard.
  - The United States Environmental Protection Agency's (USEPA's) Envirofacts database, which provides site information contained in multiple USEPA regulatory databases.
  - The USEPA's Enforcement and Compliance History Online (ECHO) database, which provides information on sites' enforcement and compliance history.

  - The New York SPILLs database, which provides information on spills in the state of New York.

- A review of standard historical sources (included as Appendix C) and local agency inquiries, as defined in the ASTM Standard. The following resources were reviewed:
  - Readily available historical sources, including (where available) historical topographic maps and aerial photographs, city directories, and Sanborn Maps, to develop a history of the previous uses of the site and surrounding area.
  - Historical and site-specific information obtained from the following local agencies: the New York City Building Department and the New York City Department of Finance.
  - A Freedom of Information Law (FOIL) request to the New York Department of Environmental Conservation (NYDEC) for information pertaining to the site. A response had not yet been received at the time the report was completed.
  - An information request to the New York City Fire Department, the New York City Department of Health and Mental Hygiene and the New York City Department of Environmental Protection for information pertaining to underground storage tanks (USTs), spills, releases, contamination, sampling, and remediation. Responses from these departments have not been received at the time this report was completed.
  - Information obtained from a search of the RealQuest™ property information database.
- A review of physical setting sources, as defined in the ASTM Standard, including:
  - The current United States Geological Survey (USGS) 7.5-minute topographic map that shows the area on which the site is located.
  - Geologic, hydrogeologic, or hydrologic sources as provided in the EDR report
- Facility personnel reported that, to their knowledge, no Phase I ESAs or Phase II site investigations, environmental compliance audits, or similar investigations have previously been conducted for the site.
- A review of any information provided by the user of this assessment, including information consistent with Appendix X3 of the ASTM Standard. Pertinent information, if any, is discussed in the appropriate sections of this report

This assessment was conducted in accordance with the methodology specified in ASTM Standard E1527-05, as agreed upon by ENVIRON and EMCOR Group Inc. in November 2013. Issues considered outside the scope of the ASTM Standard and this review include regulatory compliance, off-site waste management, asbestos-containing materials, radon, lead-based paint, lead in drinking water, wetlands, polychlorinated biphenyls (PCBs) in building materials, cultural and historic resources, ecological resources, endangered species, and high voltage power lines.

2.3 Significant Assumptions

In conducting this review, no significant assumptions were made, except for the following:

- Site-specific field measurements or other detailed hydrogeological information was not publicly available or reasonably ascertainable. In the absence of such data, ENVIRON has assumed that the flow direction of shallow groundwater beneath the site and in the local vicinity generally mimics surface topography. Therefore, in evaluating potential on-site impacts from off-site sources, those off-site facilities not located adjacent to or within one-quarter mile upgradient of the subject site are not considered to represent a significant concern to the subject site. This interpretation is based on the assumption that a hazardous material released to the subsurface generally does not migrate laterally within the unsaturated soil for a significant distance, although a hazardous material can migrate in the groundwater in a generally downgradient direction. There are, however, limits to this interpretation.

2.4 Reliance and General Limitations

This report has been prepared for the exclusive use of EMCOR and may not be relied upon by any other person or entity without ENVIRON's prior express written permission.

The report is considered current only for a period of 180 days from the date of the site inspection. The conclusions presented in this report represent ENVIRON's best professional judgment based upon the information available and conditions existing as of the date of this report. In performing its assignment, ENVIRON must rely upon publicly available information, information provided by the client, and information provided by third parties. Accordingly, the conclusions in this report are valid only to the extent that the information provided to ENVIRON was accurate and complete. This review is not intended as legal advice, nor is it an exhaustive review of site conditions or facility compliance. ENVIRON makes no representations or warranties, expressed or implied, about the conditions of the site.

ENVIRON's scope of work for this assignment did not include collecting samples of any environmental media. As such, this review cannot rule out the existence of latent conditions including contamination not identified and defined by the data and information available for ENVIRON's review; however, this report is intended, consistent with normal standards of practice and care, to assist the client in identifying the risks of such latent conditions.

3 Site Description

3.1 Site Setting

Penguin ACC owns and operates an office located at 26 West Street in Brooklyn, Kings County, New York (the “site”, “property”, or the “facility”). The approximately 0.4-acre site is located in Brooklyn, New York (Figure 1).

The site is described on the Brooklyn tax map as block 2571, lot 1.

The site is developed with an approximately 13,500-square-foot building, which is located in the southern portion the site. The single story building houses office operations (Figure 2).

The site is accessed from Oak Street at the northern site boundary. The access road is surfaced with asphalt and leads to an asphalt-paved parking area present in the northern portion of the site. There are no on-site surface water bodies.

Table 1 provides an overview of physical setting and utility information for the site.

Table 1: Physical Setting and Utility Information

Conditions	Source	Description
Topography		
Elevation (above mean sea level)	USGS topographic map (Brooklyn, NY, 1995); Google Earth	Generally flat, with elevations ranging between 10 feet above mean sea level (AMSL), near the eastern property boundary, and 11 feet AMSL, near the northwestern corner of the property.
Topographic Gradient	USGS topographic map; visual observations	Relatively flat on-site, with a gentle downward slope to the southeast. Regional topography slopes gently downward to the southeast toward the East River.
Hydrology		
Surface Water Runoff	Visual observations	Enters a catch basin in the parking lot that discharges to the combined sanitary-storm sewer system.
Nearest Surface Water Body	USGS topographic map; Visual observations	The East River, located approximately 700 feet west of the site, and Bushwick Inlet (which discharges into the East River), located approximately 650 feet south of the site.
Flood Plain	FEMA*; Facility personnel	Facility personnel reported no known occurrences of flooding at the site. The majority of the site is located within a 500-year flood zone; the western most portion of the site is located within a 100-year flood zone.
Wetlands	NWI*	There are no federally-designated wetlands on-site.

Table 1: Physical Setting and Utility Information

Conditions	Source	Description
Geology and Hydrogeology		
Presumed Direction of Shallow Groundwater Flow	USGS topographic map;	Based on the topographic gradient and positioning of local surface water bodies, shallow groundwater likely flows to the southwest.
Depth to Groundwater	Not available	Specific information regarding depth to shallow groundwater was not readily available; however, given the elevation of the site (10-11 feet AMSL), groundwater is expected to be within 20 feet of the ground surface.
On-site Wells	Facility personnel; Visual observations	There are no production, monitoring or injection wells on-site.
Nearest Groundwater Supply Wells	EDR database report	Twenty-three federally-registered wells are present within one mile of the site; one, located approximately one mile south southeast of the site, is registered as a public supply well. No private or municipal wells that may be used for water supply are located within one mile of the site.
Geologic Conditions	NCSS*;	According to the EDR database report, regional soils are classified as urban land.
Site Utility Information		
Electricity Supplier	Facility personnel	Con Edison
Natural Gas Supplier	Facility personnel	Keyspan
Use of Fuel Oil for Building Heat	Facility personnel	No current or former use of fuel oil reported.
Water Supplier	Facility personnel; City personnel	The New York City Water Supply System, which obtains its water from 19 reservoirs and three controlled lakes denoted as the Catskill/Delaware supply, the Croton supply, and a groundwater supply in southeastern Queens.
Sanitary Sewer	Facility personnel	The New York City Sanitary Sewer System.
Septic Systems	Facility personnel	No current or former septic systems reported.

Notes:

FEMA = Federal Emergency Management Agency; NCSS = National Cooperative Soil Survey ; NWI = National Wetlands Inventory

* - Source was provided in the EDR database report.

3.2 Current Use of Property

Penguin ACC, a general contractor specializing in mechanical systems, employs approximately 45 individuals at the site. These individuals conduct administrative operations related to the

general contracting industry. Facility personnel did not know the appropriate Standard Industrial Classification (SIC) code to describe the site's operations. Based on the operations conducted, it appears that the most appropriate primary Standard Industrial Classification (SIC) code is 1711, *Plumbing, Heating, Air-conditioning*; the corresponding North American Industry Classification System (NAICS) code is 238220 *Plumbing, Heating, and Air-Conditioning Contractors*.[1] There are no major manufacturing operations on site.

Penguin ACC's operations at the site are administrative office activities including accounting, dispatching and engineering. Office-related supplies are stored in the southeast corner of the building. The building is heated by a 250,000-BTU/hr natural gas-fired forced air HVAC unit. The building is cooled by three units containing R-410A. The larger unit contains 6 pounds of refrigerant; the smaller units contain between 2 and 3 pounds of refrigerant. According to facility personnel, Penguin ACC's operations have remained generally consistent during its period of occupancy at the facility, beginning in 1986.

According to facility personnel, no chlorinated solvents are currently used at the facility, and use of such chemicals would not be expected based on the nature of current site operations. Facility personnel were not aware of any historical use of chlorinated solvents at the site; however, Penguin ACC has only occupied the site since 1986, and chemical use prior to that time is unknown.

3.3 Current Uses of Adjoining Properties

The property is located in a mixed industrial, residential, and commercial land use area. The nearest residential area is located adjacent to the eastern site boundary. Based on discussions with facility personnel, ENVIRON's visual observations from the property boundary and public rights-of-way, and a limited review of publicly available information, a general determination of the current use of adjacent properties was developed, as described Table 2.

Table 2: Current Use of Properties Adjacent to the Site

Direction	Property/Land Use	ENVIRON's Observations
North	Oak Street, beyond which is Grant Storage Yard and a vacant residential apartment (currently under construction).	No apparent exterior manufacturing or chemical storage operations were observed. Residential areas consist of an apartment building, which is under construction. No concerns were noted.
East	Residences, beyond which is Franklin Street.	No apparent exterior manufacturing or chemical storage operations were observed. Residential areas consist of townhomes. No concerns were noted.
South	Clayer Street, beyond which is Nouveau Elevators.	No apparent exterior manufacturing or chemical storage operations were observed. No concerns were noted.
West	West Street, beyond which is a parking lot and Tri State Lumber.	No apparent exterior manufacturing or chemical storage operations were observed. No concerns were noted.

[1] A formal determination of the most appropriate SIC/NAICS code for the site was beyond the scope of ENVIRON's review.

Table 2: Current Use of Properties Adjacent to the Site		
Direction	**Property/Land Use**	**ENVIRON's Observations**
Notes: During the site visit, ENVIRON walked or drove by the borders of these properties that are shared with the subject site. ENVIRON did not enter the neighboring properties.		

4 Review of Public Records and Other Information Sources

4.1 Environmental Regulatory Database Review

ENVIRON contracted with EDR in December 2013 to prepare of summary of listings in federal and state agency databases for the site and facilities within applicable radii of the property, as specified by the ASTM standard.[2] A copy of the EDR report is presented in Appendix B.

4.1.1 Database Review for Site

ENVIRON reviewed the results of the state and federal environmental database searches performed by EDR (see Appendix B) and also reviewed information available in the NY Spills database. The site is listed on one environmental database, as discussed below.

- Lot 1 Tax Block 2571 is listed on the New York Environmental (E) Designation database. The description is underground gasoline storage tank (UST) testing protocol, which indicates the property was formerly used as or in close proximity to either a gas station, manufacturing facility, heavily trafficked street or highway, or railroad. The E designation provides notice of the presence of an environmental requirement pertaining to potential hazardous material contamination, high ambient noise levels, or air emission concerns on a particular tax lot and is governed by Section 11-15 of the New York City Zoning Resolution. The E designation does not indicate that any contamination or USTs are confirmed to exist onsite; however, should any construction occur on-site, the New York Office of Environmental Remediation must be contacted and soil sampling, groundwater sampling and soil vapor sampling may be required.

4.1.2 Database Review for Surrounding Properties

There are several listings in the EDR report for off-site facilities located within applicable ASTM search radii. Several of these listings (e.g., hazardous waste generators, registered underground storage tanks [USTs], registered above ground storage tanks [ASTs], New York chemical bulk storage [CBS] facilities, and New York major oil storage facilities [MOSF], Facility Index System/ Facility Registration System [FINDS], state pollutant discharge elimination system [SPDES]), by themselves, are not necessarily indicative of an environmental concern, and these listings are therefore not discussed herein. A number of sites appear on databases indicative of potential contamination concerns (e.g., Leaking Underground Storage Tank [LUST], State Hazardous Waste Site [SHWS], voluntary cleanup program [VCP], and Spills). Of these latter facilities, only those that are located adjacent to or upgradient of (but not necessarily adjacent to) the property and have not been issued regulatory closure for all listings of concern are discussed in this section.[3] This analysis was based on the assumption that a hazardous material released to the subsurface generally does not migrate laterally within the unsaturated soil for a significant distance, although a hazardous material can migrate in groundwater in a generally downgradient direction; however, there are limitations to this interpretation.

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[2] EDR uses the term “radii” to refer to the ASTM terminology “approximate minimum search distance” in the environmental database report.

[3] Shallow groundwater beneath the site likely flows to the southeast, assuming the gradient follows surface topography.

Table 3: Summary of Listings with Open/Active Status on Databases Potentially Indicative of Contamination for Upgradient or Adjacent Properties

Listing Name or Address	Database	Comments	Reference for Further Discussion
101-105 West Street	VCP	The 101-105 West Street site, located approximately 0.18 miles north of the site, is listed on the VCP database (HW Code V00231). Contamination at the site includes metals (arsenic , selenium, chromium, cadmium, lead, zinc and mercury) and semi volatile organic compounds (SVOCs) (benzo(a)anthracene, benzo (a) fluoranthene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, chrysene, and dibenzofuram), which resulted from historic fill and uncontrolled dumping of oil and oil-related products from trucks. The Remedial Investigation (RI) work plan was completed in 2000. Remedial field work was completed in 2002. Contaminated soils have been excavated or covered by a concrete slab. Groundwater has not been impacted.	N/A, based on apparent completion of remedial activities and absence of groundwater contamination
Huxley Envelope Corp	Resource Conservation and Recovery Act (RCRA) NonGen/ NLR, FINDS, LTNAKS, NY UST, NY AST, Manifest, Spills	The Huxley Envelope Corp site, located approximately 0.3 miles north of the site, is listed on the LTANKS database (in addition to a number of compliance databases) for two release of #2 fuel oil in 1994. Both spill cases were closed in 1994 (Spill numbers 9408283 and 9408663). The site is also listed on the Spills database for a release in 2012 (Spill number 1202875). Light non-aqueous phase liquid (LNAPL) of #2 fuel oil was identified when installing a monitoring well near the former 20,000-gallon fuel oil UST. Regulatory closure has not yet been granted for this spill, and the site is regulated under the brownfields program.	Section 6.1.2
176 McGuinness Boulevard	NY LTANKS, NY UST, NY Spills	The 176 McGuinness Boulevard site, located approximately 0.44 miles east of the subject site, is listed in the Spills database for an odor complaint in 1998; this complaint was closed in 2003 (spill number 0204172). The LTANKS database listing for the site indicates that there was a tank test failure in 1991 (spill number 9108332). Because the tanks used submersible pumps, there was a potential for a release. This spill has not received regulatory closure.	Section 6.1.2

Table 3: Summary of Listings with Open/Active Status on Databases Potentially Indicative of Contamination for Upgradient or Adjacent Properties

Listing Name or Address	Database	Comments	Reference for Further Discussion
Former Ney Smelting and Refining Company	SHWS	The Former Ney Smelting and Refining Company, located approximately 0.62 miles north of the site is listed in the SHWS database as of 2010 (HW code 224144). The shallow subsurface is comprised of historic fill that contains building debris. The material contains elevated concentrations of inorganics. SVOCs are also present in the soil at the site, but concentrations do not exceed standards. No VOCs were detected at levels "that cause concern." Groundwater is sporadically impacted by PCE; however there is no continuous plume of impacted groundwater. The case has not received regulatory closure.	Section 6.1.2
Carbona Products Co	RCRA NonGen / NLR, FINDS, NY SHWS, NY LTANKS, Manifest, Spills, NY CBS	The Carbona Products Co site, located approximately 0.68 miles east northeast of the subject site is listed in the SHWS database (and other compliance databases) as of 1999 (HW code 224023); no information is provided except that "the site did not qualify for addition to the registry of inactive hazardous waste sites." The site is listed in the LTANKS database for a tank test failure in 1994; the spill case was closed in 1998 (spill number 9401962). The site is listed in the Spills database for a release of an unknown petroleum product in 1994 (9402866); the spill case was closed in 1994.	Section 6.1.2
Mobil Green Point	NY SHWS, NY LTANKS, NY Spills, NY SPDES, NY MOSF, NY CBS	The Mobil Green Point site, located approximately 0.76-miles east-northeast of the subject site is listed on the SHWS database (and several compliance databases) as of 1999 (HW code 224013), with no additional information. The site is listed in the LTANKS and Spills databases for the following releases: a spill in 1989 of gasoline (closed in 2003; spill number 8808149); a spill in 1994 of crude oil (closed in 2002; spill number 9312129); a spill in 1990 of kerosene (closed in 2003; spill number 8910558); a spill in 1988 of kerosene (closed in 2003; spill number 8800842); a spill in 1996 of diesel fuel (closed in 1996; spill number 9605875); a spill in 1991 of gasoline (closed in 1995; spill number 9103174); a spill of crude oil in 1988 (closed in 2003; spill number 8801000); a spill of gasoline in 1988 (no regulatory closure; spill number 8800244); a spill in 1995 of waste oil (closed in 1995; spill number 9414801); a spill in 1990 of waste oil (closed in 2003; spill number 9009468); a spill in 2003 of crude oil (closed in 2009; spill number 0308199); a spill in 2006 of diesel fuel (closed in 2006; spill number 0512276); and a spill in 1992 of kerosene (closed in 1992; spill number 9110597).	Section 6.1.2

The EDR report indicates that poor or inadequate address information was available for several sites located in the vicinity of the property; therefore, these sites could not be readily mapped by EDR. Because the location of these sites with respect to the property could not be evaluated, ENVIRON is limited in its ability to express an opinion regarding the potential for impact to the property from these sites. It was beyond the scope of this review to accurately locate each of the unmapped sites identified by EDR; however, ENVIRON reviewed the list of unmapped sites and verified that none appeared to be adjacent to the subject site.

4.2 Historical Uses of the Site and Adjacent Sites

4.2.1 Past Uses of the Site

The site has been developed since at least 1887 for industrial, commercial, and residential purposes. In the 1880s and 1890s, the site was occupied by Pattern Storage, a dwelling, a shop and several smaller structures. In the 1900s and 1910s, the site was occupied by an iron works facility. Occupants of the site in the 1920s are unknown. In 1930, the site was cleared of buildings and a new structure was constructed along West Street. The George Douglas Lumber Yard operated at the site from the 1930s until the 1960s. In 1972, the George Douglas Lumber Yard structure was demolished and the current structure was constructed. In the 1970s and 1980s, the site was occupied by various trucking companies (Terminal Enterprises, Auto Parts U-O-T, and Hap Dong Express) and used for the following purposes: automobile, truck, motorcycle, and trailer repair, with accessory welding; parking; sale of auto supplies; trade school for sale of new or used cars, trucks, or trailers; truck and trailer rental; and commercial vehicle storage. Penguin ACC purchased the site in 1984 or 1986[4] and began administrative operations at the site soon thereafter.

A summary of ENVIRON's key observations from the available historical sources is presented in Table 4.

Table 4: Summary of Key Observations from Historical Sources for the Subject Site

Historical Source	Key Observations Regarding Site History
Sanborn Maps (1887, 1905, 1916, 1922, 1928, 1942, 1951, 1965, 1978, 1979, 1980, 1981, 1982, 1983, 1986, 1987, 1988, 1989, 1991, 1993, 1995, 1996, 2001, 2002, 2003, 2004, 2005, 2006, 2007)	The 1887 map depicts Pattern Storage, a dwelling, and a shop along West Street, and three sheds and two wagon houses in the central portion of the site. The 1905 Sanborn map depicts Iron Works in the southern portion of the site, two shops along Oak Street and a vacant structure in the eastern portion of the site. The 1916 map no longer depicts the shops and the vacant structure. The 1922 and 1928 maps do not depict any structures at the subject site; however, these maps do not appear to identify any features other than fire hydrants. The 1942, 1951, and 1965 maps depict one structure in the southwest corner of the site, which is used for lumber storage by George Douglas Lumber Yard. The 1978 and subsequent maps depict the site in its present configuration, with one non-combustible building constructed in 1972 in the southern portion of the site.

[4] Site representatives reported that operations commenced in 1986, but the City of New York records indicate that the property was acquired by Penguin ACC in 1984.

Table 4: Summary of Key Observations from Historical Sources for the Subject Site	
Historical Source	**Key Observations Regarding Site History**
Aerial Photographs and Satellite Imagery[1] (1941, 1944, 1954, 1966, 1975, 1978, 1984, 1994, 2006, 2009, 2011)	The site is appears as developed with a structure in the southwest corner of the site and exterior lumber storage in the 1941, 1944, 1954, and 1966 photographs. The 1975 and subsequent sources show the site in its present configuration, with one building present.
Topographic Maps (1900, 1924, 1947, 1956, 1967, 1979, 1995)	All topographic maps depict the streets surrounding the site. The topographic maps do not depict specific structures on the subject site, and instead identify the site as located within a developed urban area.
City Directory Abstracts (1928, 1934, 1940, 1945, 1949, 1960, 1965, 1970, 1973, 1976, 1980, 1985, 1992, 1997, 2000, 2005, 2008, 2013)	The occupants of the site are listed as: Acosta J A R (1928), Douglas Leo Lumber (1930s - 1960s), Terminal Enterprises (1973), John Mauro and Vincent Barra (1976) Auto Parts by U-O-T (1980), Hap Dong Express Inc (1985) Penguin Air Conditioning Corp (1997, 2005, 2008), and Broadway Maintenance Corp and EMCOR Group (2008).
New York City Department of Finance	Documents reviewed at the New York City Department of Finance included a list of prior property transfers and a tax map. A list of prior property transfers indicates the following owners: Clayer St Realty (prior to 1969), George Douglass (1969-1970), John Mauro (1970-1975), Gruen Herbert (1975-1977), Ranlynn Rental and Service Corp (1977-1983), Tae Hee Kim (1983-1984), Penguin Air Conditioning (1984), NYC Industrial (1984-2002), Penguin Air Conditioning (2002-present). The site is described on the New York tax map as Brooklyn block 2571, lot 1.
New York City Department of Housing and Development	A Certificate of Occupancy, dated September 8 1930, lists the owner of the site as Geo Douglas Lumber Co. and identifies one structure on site to be used for lumber storage. A Certificate of Occupancy dated July 22, 1936 identifies the site to be used for lumber storage. A Certificate of Occupancy dated October 9, 1973 identifies the recent construction of a building that is to be used as a trucking terminal warehouse only; open space is used for storage of motor vehicles. A Certificate of Occupancy, dated December 11, 1977 lists the use of the site as auto truck, motorcycle or trailer repair with accessory welding, public garage, sale of auto supplies parts and accessories, trade school for the audit and sale of new or used cars, truck and trailer rental and open commercial vehicle storage.
[1] In addition to aerial photographs provided by EDR, ENVIRON viewed historical satellite imagery provided via Google Earth. Printed copies were not obtained, and imagery dates were not independently verified.	

Penguin ACC previously operated at a leased location at 136 Metropolitan Avenue in Brooklyn, New York prior to 1986. A review of this property, and of any other properties formerly operated by Penguin ACC, was not included in ENVIRON's scope of work.

4.2.2 Past Uses of Adjacent Sites

The properties in the vicinity of the site have been used for industrial, commercial and residential purposes since the 1880s. Notable operations on the surrounding properties include foundries (adjacent to the south in 1887, 1905, 1916, 1942, 1951, 1965), Abendroth & Root Manufacturing Company (adjacent to the north in 1887), American Manufacturing Company (adjacent to the north in 1916 through 2007), auto repair service (adjacent to the southwest 1965 through 2007). Other uses include residential and commercial (adjacent to the east), parking and storage (adjacent to the west), and light industrial including woodworking and fire door assembly (adjacent to the south).

4.3 Review of Local and State Agency Information

ENVIRON visited or otherwise contacted local governmental agencies and regulatory bodies for information relating to the site. An overview of the findings of this review is presented in Table 5.

Table 5: Local Agency Information for the Site

Agency Contacted / Document Reviewed	Information Obtained
New York City Department of Finance	See Table 4
New York City Department of Housing and Development	See Table 4 for Certificate of Occupancy information. A representative from the building department indicated that there are no open building violations for the site.
New York City Fire Department	ENVIRON submitted a FOIL request to the New York City Fire Department requesting information pertaining to USTs at the site. As of the date of this report, a response has not been received from the Fire Department.
New York City Department of Environmental Protection	ENVIRON submitted a FOIL request to the New York City Department of Environmental Protection requesting information pertaining to storage tanks, spills, releases, contamination, remediation, or sampling at the site. As of the date of this report, a response has not been received from the Department of Environmental Protection.
New York City Department of Health and Mental Hygiene	ENVIRON submitted a FOIL request to the New York City Department of Health and Mental Hygiene requesting information pertaining to storage tanks, septic systems, spills, releases or contamination. As of the date of this report, a response has not been received from the Department of Health and Mental Hygiene.
New York Department State of Environmental Conservation (NYDEC)	ENVIRON submitted a FOIL request to the NYSDEC requesting information pertaining to storage tanks, spills, releases, contamination, remediation, or sampling at the site. As of the date of this report, a response has not been received from NYSDEC.

4.4 Previous Environmental Assessments and Activities

Based on a review of historical site documents and interviews with facility personnel, no prior Phase I environmental assessments, UST closures, environmental sampling, or remediation activities are known to have been conducted at the site.

4.5 User-Provided Information

Because this assessment is being prepared on behalf of the owner of this site, user-provided information (e.g., relating to environmental liens, AULs, specialized knowledge of the property, property value diminution, chain-of-title, or any other commonly known or obvious indications of site contamination) was obtained through the site reconnaissance and interviews and is referenced in the applicable sections of this report.

5 Site Reconnaissance

5.1 Methodology and Limiting Conditions

ENVIRON conducted a visit to the site on December 4, 2013. During the site visit, observations of both the interior of the building and exterior portions of the site were made to evaluate if any RECs, as defined in Chapter 2, are present. ENVIRON did not observe the roof of the building.

5.2 General Site Setting and Observations

ENVIRON made observations concerning all of the interior and exterior issues specified in Sections 9.4.2 through 9.4.4 of the ASTM E1527-05 Standard. The presence or absence of each issue of environmental interest or concern is noted in Table 6. Additional information regarding observed and historical items is provided in the sections following the table.

Table 6: Summary of Site Reconnaissance Observations

Issue	ASTM Section	Observation
Interior and Exterior Issues		
Current use(s) of the property	9.4.2.1	See Section 3.3
Past use(s) of the property	9.4.2.2	See Section 4.2
Hazardous substances and petroleum products used, treated, stored, disposed of, or generated on the property in connection with identified present or past uses	9.4.2.3	Absent
Storage tanks: Underground storage tanks (fill ports, vent pipes, manholes) Aboveground storage tanks	9.4.2.4	Absent Absent Absent
Odors (strong, pungent or noxious)	9.4.2.5	Absent
Pools of liquid, standing surface water or sumps	9.4.2.6	Absent
Drums of hazardous substances or petroleum products (five-gallon, 55-gallon or totes)	9.4.2.7	Absent
Hazardous substance and petroleum product containers (not necessarily in connection with identified uses)	9.4.2.8	Absent
Unidentified substance containers suspected of containing hazardous substances or petroleum products	9.4.2.9	Absent
Polychlorinated biphenyls (PCBs) Electrical equipment on-site (e.g., transformers, capacitors) Electrical equipment known or likely to contain PCBs Hydraulic equipment on-site (e.g., elevators, truck dock lifts) Hydraulic equipment known or likely to contain PCBs	9.4.2.10	(see Section 5.2.1) **Present** **Possible** Absent Absent
Interior Issues		
Heating/cooling systems	9.4.3.1	**Present** (see Section 5.2.2)

Table 6: Summary of Site Reconnaissance Observations

Issue	ASTM Section	Observation
Stains or corrosion on interior floors, walls or ceilings (except for staining from water)	9.4.3.2	Absent
Floor drains and interior sumps	9.4.3.3	Absent
Exterior Issues		
Pits, ponds or lagoons on property or adjacent sites	9.4.4.1	Absent
Stained soil or pavement	9.4.4.2	Absent
Stressed vegetation (from other than insufficient water)	9.4.4.3	Absent
On-site solid waste disposal; areas apparently filled or graded by non-natural causes; or mounds or depressions suggesting solid waste disposal	9.4.4.4	Absent
Wastewater or other liquid (including storm water) or any discharge into a drain, ditch, underground injection system or stream on or adjacent to the property	9.4.4.5	**Present** (see Section 5.2.3)
Wells (including dry wells, irrigation wells, injection wells, abandoned wells, or other wells)	9.4.4.6	Absent
Septic systems or cesspools	9.4.4.7	Absent

Notes:

Observations noted in this table and discussed further below are based on information obtained during the site visit and from a review of the sources summarized in Section 4.

See the ASTM Standard for a detailed description of the issues included in each referenced ASTM section.

Per the ASTM Standard, fluorescent light ballasts likely to contain PCBs do not need to be noted.

N/A – Not applicable

5.2.1 Polychlorinated Biphenyls (PCBs)

Facility personnel were not aware of on-site equipment that is known to contain polychlorinated biphenyls (PCBs). No pad-mounted transformers are present on the property

Because the building was constructed prior to the 1979 federal ban on the manufacture of PCBs, it is possible that types of electrical equipment, such as capacitors, contain PCBs. ENVIRON saw no indication of leaks or releases from electrical equipment observed during the site visit.

5.2.2 Heating/Cooling Systems

The facility's heating, ventilation, and air conditioning (HVAC) system is located on the roof. The facility is heated by a 250,000 BTU/hr natural gas-fired forced air unit. The facility is cooled by three units containing R-410A. The larger unit contains 6 pounds of refrigerant; the smaller units contain between 2 and 3 pounds of refrigerant.

5.2.3 Wastewater

Sanitary wastewater, which includes wastewater from kitchen and bathroom areas, is discharged to the combined municipal sewer system.

No process wastewater is generated at the site. No vehicles or equipment are washed on the property.

Storm water at the site runs off paved areas into a storm drain present in the parking area north of the building. The storm drain discharges the storm water to the combined municipal sewer system located on West Street.

6 Findings, Opinion, and Conclusions

ENVIRON performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-05 of the Penguin Air Conditioning Corp property located at 26 West Street in Brooklyn, New York in December 2013. Any exceptions to, or deletions from, this practice are described in Section 6.3.

6.1 Findings and Opinion

6.1.1 Recognized Environmental Conditions

This assessment has revealed no evidence of RECs, as defined by ASTM (see Chapter 2.0), in connection with the property.

6.1.2 Other Findings

In addition to RECs discussed above, the following additional findings related to potential contamination concerns were identified:

- **Past Operations at the Site.** The site has been used for various industrial, commercial and residential purposes since at least the 1880s. Due to the extended history of the site, not all former operations are known; however, known notable prior operations have included warehousing (1880s-1900s); iron working (1900s-1910s); unknown operations (1910s-1920s); lumber yard (1930s-1960s); and vehicle repair, sale of auto supplies, vehicle rental, vehicle storage and a trade school (1970s-1980s). These former industrial operations may have included the use of petroleum products, solvents, adhesives, paints and other chemicals. The historical handling, disposal, and use of these chemicals were not strictly regulated, controlled, or monitored during the sites early operational history (starting in 1887). No subsurface characterization activities are known to have been conducted at the property, and the property is not currently the subject of regulatory scrutiny related to contamination matters. Absent further information regarding the specific nature of historical chemical use, chemical handling practices, and associated wastes, ENVIRON cannot rule out the possibility that spills or releases of chemicals or petroleum products may have adversely affected the soil and groundwater conditions at the site.
- **Potential Migration of Contamination from Off-site Properties.** The site is located in the presumed downgradient direction from several off-site properties listed with open database listings related to potential soil and groundwater contamination. These off-site properties include Huxley Envelope Corp (located 0.3 miles north of the site; listed in the Spills database), 176 McGuinness Boulevard (located 0.44 miles east of the site; listed in the leaking tanks database), the Former Ney Smelting and Refining Company (located 0.62 miles north of the site; listed in the state hazardous waste site database), Carbona Products Co (located 0.68 miles north of the site; listed in the state hazardous waste site database) and Mobil Green Point (located 0.76 miles east-northeast of the site; listed in the Spills and leaking tanks databases). There has been no apparent regulatory impetus to investigate whether contamination from these properties has migrated to the subject site. If contamination associated with these off-site properties is found to have migrated onto the subject site, it is expected that any remedial activities would be the responsibility of the entities named in the listings or other designated responsible parties and not Penguin ACC.

6.2 Conclusions

ENVIRON has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527 of the Penguin ACC property located at 26 West Street in Brooklyn New York. Any exceptions to, or deletions from, this practice are described in Section 6.3 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the property.

6.3 Analysis of Data Gaps

The ASTM Standard defines a data gap as "a lack of or inability to obtain information required by the practice despite good faith efforts by the environmental professional to gather such information." A data gap is only significant if other information obtained during the ESA, or professional experience, raises reasonable concerns and affects the ability of the environmental professional to identify whether a given issue is a REC. The ASTM Standard requires that the ESA report identify and comment on significant data gaps.

Site reconnaissance deviations, deletions, limitations, and exceptions, to the ASTM Standard for the assessment are discussed below.

- Due to extended age of the site, it was not possible to interview representatives dating back to the site's first developed use in 1887. However, ENVIRON conducted interviews with representatives of Penguin ACC dating back to 2003 and reviewed other historical sources regarding former uses of the property.
- ENVIRON did not observe the roof of the building.
- Historical information, such as aerial photographs, was not readily available to characterize the property from the present back to the property's obvious first developed use or 1940, whichever is earlier. The earliest readily available historical source that would indicate specific site uses is a Sanborn map dated 1887, which shows that at least a portion of the property was already developed for industrial, commercial and residential uses.
- Because this assessment is being prepared on behalf of the seller of this site (and not the User of the report), the information required in the User Questionnaire consistent with Appendix X3 of the ASTM Standard was obtained through the site reconnaissance and interviews. As such, no User Questionnaire was completed.
- In lieu of conducting interviews with a local regulatory official, ENVIRON submitted formal document requests to regulatory agencies and reviewed information provided in response to those requests.
- As it is a user requirement, ENVIRON did not conduct a review of records to identify whether any environmental liens or activity and use limitations (AULs) have been imposed on the site.

None of the exceptions, deletions, deviations, or site reconnaissance limitations noted above are considered to represent significant data gaps.

7 References

7.1 Documents

EDR. 2013. “Aerial Photography Print Service: Inquiry Number 3799022.5.” December 2.

EDR. 2013. “City Directory, Abstract, Inquiry Number 3799022.6.” December 2.

EDR. 2013. “Historical Topographic Map Report, Inquiry Number 3799022.4.” December 2.

EDR. 2013. “Radius Map, Inquiry Number: 3799022.2s.” December 2.

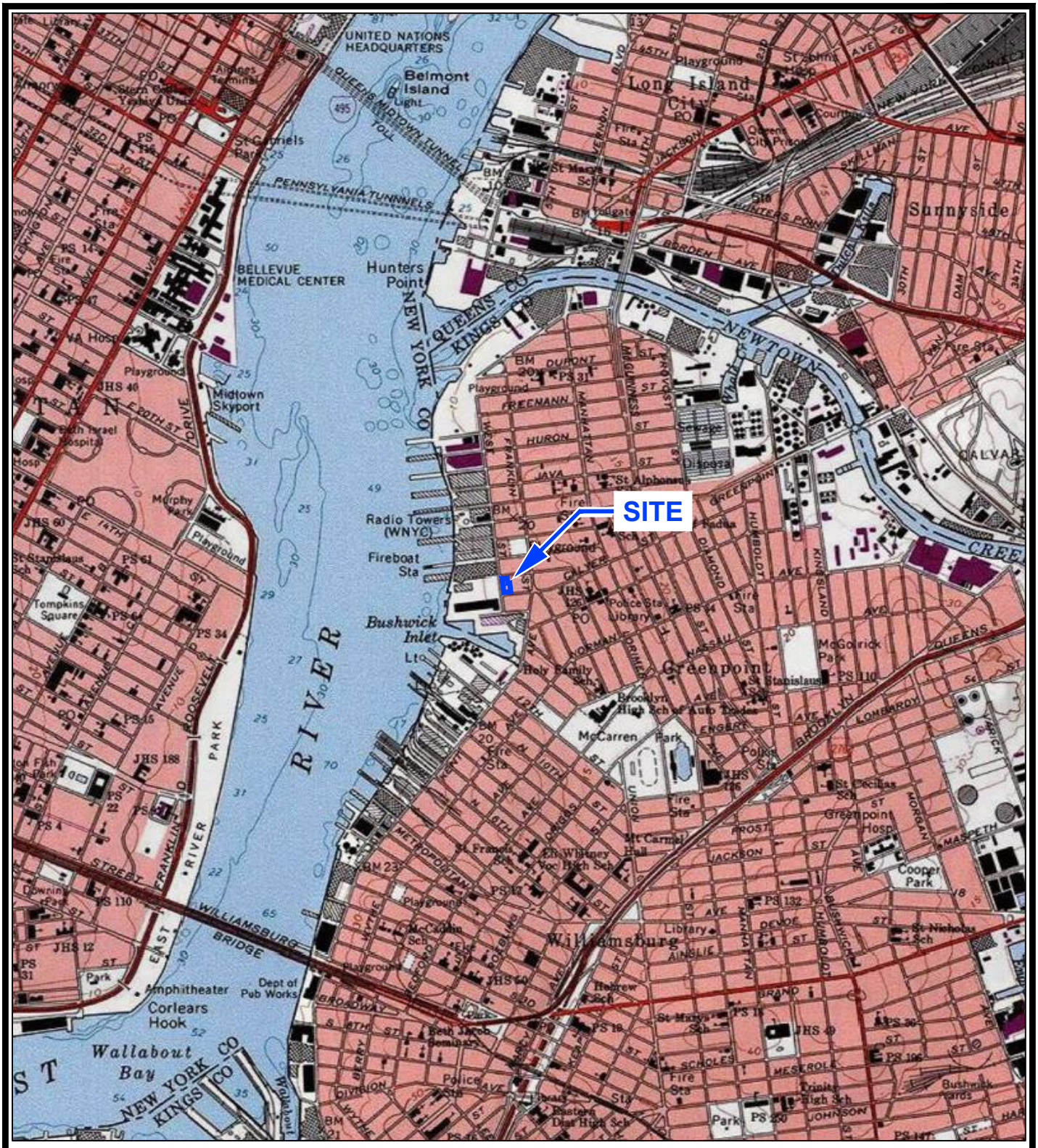
EDR. 2013. “Sanborn® Map Report, Inquiry Number 3799022.3.” December 2.

7.2 Interviews

Frank Gibbons. Penguin Air Conditioning Corp. 2013. Personal interview. December 4.

02-33710A\PRIN_WP\36664.docx\v2

Figures



0 1/2 1

Scale in Miles

2000 0 2000 4000

Scale in Feet

SOURCE:
USGS QUAD MAP: BY NATIONAL GEOGRAPHIC TOPO!. USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE; 40°43'38.14N 73°57'30.79W WGS84; BROOKLYN, NEW YORK. MAP CURRENT AS OF 2011.

ENVIRON

DRAFTED BY: BJK | DATE: 12/12/2013

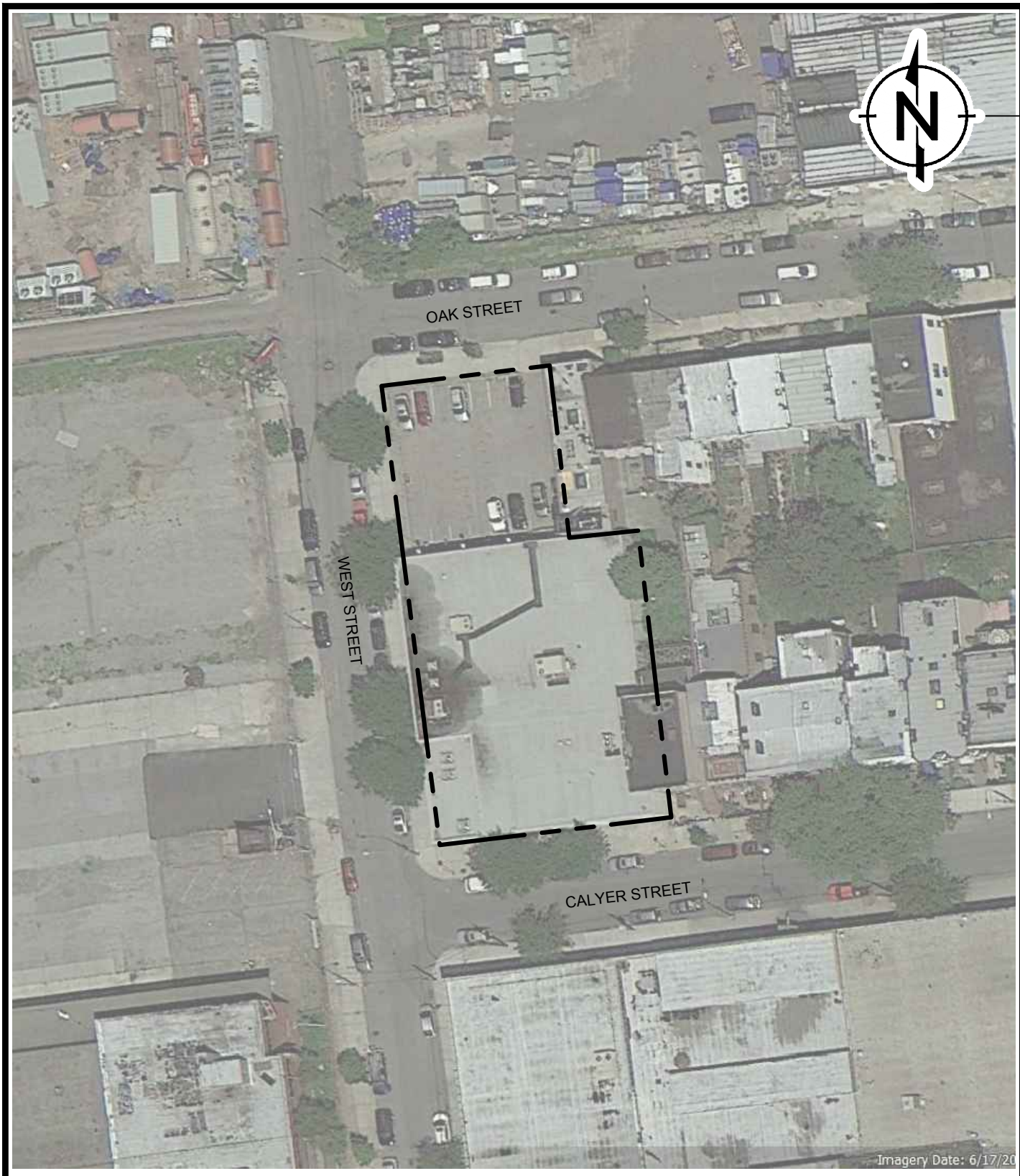
SITE LOCATION MAP

26 WEST STREET
BROOKLYN, NEW YORK

FIGURE
1

0233710A

BKLEIN 12/12/13 [SLM_0233710] F:\0233710



LEGEND

PROPERTY BOUNDARY

0 60
SCALE IN FEET

ENVIRON

DRAFTED BY: BJK | DATE: 12/11/2013

SITE LAYOUT

26 WEST STREET
BROOKLYN, NEW YORK

FIGURE
2

0233710A

BKLEIN 12/12/13 [SL_0233710] F:\0233710

Appendix A

Site Photographs

Photo 1: Building facing east

Photo 2: Storage Room

ENVIRON

Site Photographs

Penguin Air Conditioning Corp

26 West Street Brooklyn, New York

December 2013

Photo 3: Office Space

Photo 4: Recycling

Photo 5: Kitchen

Photo 6: Dumpster

Photo 7: Storm Sewer

Photo 8: Parking area and building facing south

ENVIRON

Site Photographs
Penguin Air Conditioning Corp
26 West Street Brooklyn, New York
December 2013

Appendix B

Environmental Database Report

EDR conducted its searches for the standard environmental record sources and the minimum search distances, as specified by the ASTM Standard. The ASTM Standard uses the terminology “approximate minimum search distance” to refer to the radii searched in the environmental database report.

EDR conducted the search of environmental databases in December 2013. Because the environmental databases themselves are sometimes not updated by the specific regulatory agencies for periods of up to one year or more (depending on the database and the state), the database search conducted herein will not necessarily list any facility or site for which an environmental investigation/listing has been initiated subsequent to the last update.

Penguin
26 West Street
Brooklyn, NY 11222

Inquiry Number: 3799022.2s
December 02, 2013

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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Map Findings Summary	4
Map Findings	8
Orphan Summary	623
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

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

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EXECUTIVE SUMMARY

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

TARGET PROPERTY INFORMATION

ADDRESS

26 WEST STREET
BROOKLYN, NY 11222

COORDINATES

Latitude (North):	40.7272000 - 40˚ 43' 37.92''
Longitude (West):	73.9586000 - 73˚ 57' 30.96''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	587946.5
UTM Y (Meters):	4508784.5
Elevation:	10 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

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

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	2010, 2011
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
LOT 1,TAXBLOCK 2571 26 WEST STREET BROOKLYN, NY 11222	NY E DESIGNATION	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

Delisted NPL ..... National Priority List Deletions

Federal CERCLIS list

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

Federal CERCLIS NFRAP site List

CERC-NFRAP ..... CERCLIS No Further Remedial Action Planned

Federal RCRA generators list

RCRA-LQG ..... RCRA - Large Quantity Generators

Federal institutional controls / engineering controls registries

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

Federal ERNS list

ERNS ..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

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

State and tribal leaking storage tank lists

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

State and tribal registered storage tank lists

NY TANKS ..... Storage Tank Faciliy Listing

EXECUTIVE SUMMARY

INDIAN UST ..... Underground Storage Tanks on Indian Land
FEMA UST ..... Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

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

State and tribal voluntary cleanup sites

INDIAN VCP ..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

NY ERP ..... Environmental Restoration Program Listing
NY BROWNFIELDS ..... Brownfields Site List

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

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

Local Lists of Hazardous waste / Contaminated Sites

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

Local Land Records

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

Records of Emergency Release Reports

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

Other Ascertainable Records

DOT OPS ..... Incident and Accident Data
DOD ..... Department of Defense Sites

EXECUTIVE SUMMARY

FUDS	Formerly Used Defense Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
US MINES	Mines Master Index File
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
MLTS	Material Licensing Tracking System
RADINFO	Radiation Information Database
RAATS	RCRA Administrative Action Tracking System
RMP	Risk Management Plans
NY UIC	Underground Injection Control Wells
NY AIRS	Air Emissions Data
INDIAN RESERV	Indian Reservations
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
NY COAL ASH	Coal Ash Disposal Site Listing
NY Financial Assurance	Financial Assurance Information Listing
LEAD SMELTERS	Lead Smelter Sites
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PRP	Potentially Responsible Parties
PCB TRANSFORMER	PCB Transformer Registration Database
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
COAL ASH DOE	Steam-Electric Plant Operation Data

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 07/11/2013 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RADIAC RESEARCH CORP	***33 S 1ST ST***	***SSW 1/2 - 1 (0.883 mi.)***	***156***	***556***

EXECUTIVE SUMMARY

Federal RCRA generators list

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

A review of the RCRA-SQG list, as provided by EDR, and dated 07/11/2013 has revealed that there are 3 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WH CHRISTIAN & SONS	***211-217 BANKER ST***	***SE 1/8 - 1/4 (0.180 mi.)***	***I92***	***235***

Lower Elevation	Address	Direction / Distance	Map ID	Page
NYC TRANSIT - STORAGE FACILITY	***90 QUAY ST***	***S 0 - 1/8 (0.056 mi.)***	***C17***	***66***
8 MESEROLE AVE BUILDING	***8 MESEROLE AVE***	***SSE 0 - 1/8 (0.115 mi.)***	***H66***	***173***

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

A review of the RCRA-CESQG list, as provided by EDR, and dated 07/11/2013 has revealed that there are 5 RCRA-CESQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON	NOBLE ST & WEST ST	NNW 0 - 1/8 (0.056 mi.)	D24	80
BROOKLYN WOODWORKERS CO-OP LTD	***61 GREENPOINT AVE 6TH F***	***N 1/8 - 1/4 (0.162 mi.)***	***L85***	***219***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON	QUAY ST & WEST ST	S 0 - 1/8 (0.055 mi.)	C13	61
TRANSGAS ENERGY SYSTEMS	***1 NORTH 12TH STREET***	***SW 1/8 - 1/4 (0.209 mi.)***	***S105***	***277***
NYCPR - MONUMENTS FIELD OFFICE	***10 KENT ST***	***NNW 1/8 - 1/4 (0.214 mi.)***	***114***	***339***

State- and tribal - equivalent CERCLIS

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

A review of the NY SHWS list, as provided by EDR, and dated 11/13/2013 has revealed that there are 11 NY SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BROOKLYN NORTH 1 (BROOKLYN GAR	***50 KENT AVENUE***	***S 1/4 - 1/2 (0.306 mi.)***	***U127***	***372***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FORMER CLEANERS SALES & EQUIPM	***135 KENT AVENUE***	***SSW 1/2 - 1 (0.533 mi.)***	***146***	***510***
FORMER NEY SMELTING AND REFINI	269 FREEMAN STREET	NE 1/2 - 1 (0.615 mi.)	147	513
BERKMAN BROS INC	***ECKFORD ST***	***SE 1/2 - 1 (0.656 mi.)***	***148***	***516***
CARBONA PRODUCTS CO	***330 CALYER ST***	***ENE 1/2 - 1 (0.676 mi.)***	***149***	***529***
S & G WOODWORKING INC	***1155 MANHATTAN AVE - MA***	***NNE 1/2 - 1 (0.741 mi.)***	***150***	***535***
FYN PAINT & LAQUER CO. INC.	***230 KENT AVENUE***	***SSW 1/2 - 1 (0.761 mi.)***	***151***	***538***
MOBIL GREENPOINT	***300 NORTH HENRY STREET***	***ENE 1/2 - 1 (0.761 mi.)***	***152***	***542***
CITY BARREL CO.	421-429 MEEKER STREET	SE 1/2 - 1 (0.844 mi.)	155	555

Lower Elevation	Address	Direction / Distance	Map ID	Page
460 KINGSLAND AVENUE LLC	***460 KINGSLAND AVE***	***ENE 1/2 - 1 (0.892 mi.)***	***X157***	***607***
FORMER MANHATTAN ADHESIVES PLA	425-459 GREENPOINT AVEN	ENE 1/2 - 1 (0.924 mi.)	X158	621

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

NY SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the list.

A review of the NY SWF/LF list, as provided by EDR, and dated 10/08/2013 has revealed that there are 4 NY SWF/LF sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CORZO CONTRACTING CO INC	***190 BANKER STREET***	***SE 1/8 - 1/4 (0.210 mi.)***	***Q108***	***318***
NATIONAL PAPER STOCK; INC.	136 NORTH 10TH STREET	S 1/4 - 1/2 (0.487 mi.)	145	509

Lower Elevation	Address	Direction / Distance	Map ID	Page
NORTH 12TH ST. TRANSFER STA.	***20 NORTH 12TH STREET***	***SSW 1/8 - 1/4 (0.214 mi.)***	***S111***	***334***
NEKBOH RECYCLING(5 N. 7TH ST.	5 NORTH 7TH STREET (KE	SSW 1/4 - 1/2 (0.463 mi.)	143	508

State and tribal leaking storage tank lists

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

A review of the NY LTANKS list, as provided by EDR, and dated 09/25/2013 has revealed that there are 20 NY LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WH CHRISTIAN & SONS	31 FRANKLIN ST	SE 0 - 1/8 (0.074 mi.)	E40	112
Spill Number/Closed Date: 9710386 / 3/3/2003				
111 MILTON STREET	***111 MILTON STREET***	***NE 1/8 - 1/4 (0.156 mi.)***	***K81***	***210***
Spill Number/Closed Date: 9312646 / 1/27/1994				
WH CHRISTIAN & SONS	***211-217 BANKER ST***	***SE 1/8 - 1/4 (0.180 mi.)***	***I92***	***235***
Spill Number/Closed Date: 0212557 / 5/26/2005				
BROOKLYN NORTH 01 DOS -DDC	***50 KENT AVENUE***	***S 1/4 - 1/2 (0.306 mi.)***	***U126***	***368***
Spill Number/Closed Date: 9600011 / 5/31/2005				

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SYLVAN EQUIPMENT	***91 NORTH 12TH ST***	***S 1/4 - 1/2 (0.312 mi.)***	***128***	***385***
Spill Number/Closed Date: 0003390 / 12/9/2003				
HUXLEY ENVELOPE CORP	***145 WEST ST***	***N 1/4 - 1/2 (0.320 mi.)***	***129***	***407***
Spill Number/Closed Date: 9408663 / 12/2/1994				
Spill Number/Closed Date: 9408283 / 12/2/1994				
BAROUH EATON CORP	***67 KENT AVENUE***	***S 1/4 - 1/2 (0.352 mi.)***	***V132***	***427***
Spill Number/Closed Date: 9908120 / 5/6/2003				
NASH METALWARE CO, INC	***1 NASSAU AVENUE***	***SSE 1/4 - 1/2 (0.365 mi.)***	***133***	***431***
Spill Number/Closed Date: 0408142 / 5/11/2009				
RESIDENCE	92 NORMAN AVE	ESE 1/4 - 1/2 (0.376 mi.)	134	436
Spill Number/Closed Date: 0513280 / 2/21/2006				
MERIT OIL CORP	***210 GREENPOINT AVE***	***ENE 1/4 - 1/2 (0.405 mi.)***	***W135***	***437***
Spill Number/Closed Date: 9303423 / 10/28/2003				
203 JAVA ST.	203 JAVA ST	NE 1/4 - 1/2 (0.434 mi.)	137	468
Spill Number/Closed Date: 9303193 / 6/10/1993				
AUTOMOTIVE TRADE HS 610 - BROO	***50 BEDFORD AVENUE***	***SE 1/4 - 1/2 (0.435 mi.)***	***138***	***469***
Spill Number/Closed Date: 0900454 / 3/22/2011				
Spill Number/Closed Date: 0004062 / 3/21/2005				
176 MCGUINNESS BOULEVARD	***176 MCGUINNESS BOULEVARE***	***E 1/4 - 1/2 (0.435 mi.)***	***139***	***489***
Spill Number/Closed Date: 9108332 / Not Reported				
132-140 GREEN STREET	132-140 GREEN STREET	NNE 1/4 - 1/2 (0.436 mi.)	140	502
Spill Number/Closed Date: 0011967 / 4/11/2003				
GREENPOINT AVE/MERIT S/S	***GREENPOINT AVENUE***	***ENE 1/4 - 1/2 (0.453 mi.)***	***W141***	***503***
Spill Number/Closed Date: 9004970 / 8/5/1990				
COMMERCIAL BUILDING	***93 NORTH 9TH STREET***	***S 1/4 - 1/2 (0.454 mi.)***	***142***	***505***
Spill Number/Closed Date: 9913062 / 6/21/2005				
146 WYTHE AVE/BROOKLYN	146 WYTHE AVENUE	S 1/4 - 1/2 (0.477 mi.)	144	508
Spill Number/Closed Date: 8905160 / 8/24/1989				

Lower Elevation	Address	Direction / Distance	Map ID	Page
P. CHIMENTO TRUCKING, INC	***11 WEST ST***	***S 0 - 1/8 (0.033 mi.)***	***A10***	***24***
Spill Number/Closed Date: 8906488 / 3/6/2003				
WH CHRISTIAN & SONS	***22-28 FRANKLIN ST***	***SSE 0 - 1/8 (0.095 mi.)***	***E51***	***144***
Spill Number/Closed Date: 9704053 / 12/15/2009				
TRANSGAS ENERGY SYSTEMS	***1 NORTH 12TH STREET***	***SW 1/8 - 1/4 (0.209 mi.)***	***S105***	***277***
Spill Number/Closed Date: 0411570 / 9/22/2006				

State and tribal registered storage tank lists

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

A review of the NY UST list, as provided by EDR, and dated 11/13/2013 has revealed that there are 11

EXECUTIVE SUMMARY

NY UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
64 OAK ST	64 OAK ST	N 0 - 1/8 (0.007 mi.)	A3	12
S & B CAAMANO	***54 FRANKLIN ST***	***ESE 0 - 1/8 (0.063 mi.)***	***E28***	***85***
W. H. CHRISTIAN & SONS INC	***31 FRANKLIN ST***	***SE 0 - 1/8 (0.074 mi.)***	***E41***	***114***
WH CHRISTIAN & SONS	***211-217 BANKER ST***	***SE 1/8 - 1/4 (0.180 mi.)***	***I92***	***235***
CORZO CONTRACTING CO INC	***190 BANKER STREET***	***SE 1/8 - 1/4 (0.210 mi.)***	***Q108***	***318***

Lower Elevation	Address	Direction / Distance	Map ID	Page
P. CHIMENTO TRUCKING, INC	***11 WEST ST***	***S 0 - 1/8 (0.033 mi.)***	***A10***	***24***
QUAY STREET SHOP	***40-96 QUAY STREET***	***SSW 0 - 1/8 (0.063 mi.)***	***C29***	***88***
W. H. CHRISTIAN & SONS, INC.	22-28 FRANKLIN STREET	SSE 0 - 1/8 (0.095 mi.)	E53	150
FORMER RUBICK CONSTRUCTION BUI	9 FRANKLIN ST.	SSE 0 - 1/8 (0.112 mi.)	H62	169
V E 2 PLATING CO	***7-11 N 15 ST***	***SSE 1/8 - 1/4 (0.143 mi.)***	***H78***	***199***
ACME SMOKED FISH CO	26-56 GEM ST	SE 1/8 - 1/4 (0.194 mi.)	N99	269

NY CBS UST: Chemical Bulk Storage Database. Registration data collected as required by 6 NYCRR Part 596. It includes facilities storing hazardous substances listed in 6 NYCRR Part 597, in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size. Includes facilities registered (and closed) since effective date of CBS regulations (July 15, 1988) through the date request is processed.

A review of the NY CBS UST list, as provided by EDR, and dated 01/01/2002 has revealed that there is 1 NY CBS UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
TRANSGAS ENERGY SYSTEMS	***1 NORTH 12TH STREET***	***SW 1/8 - 1/4 (0.209 mi.)***	***S105***	***277***

NY MOSF UST: Major Oil Storage Facilities Database. Facilities are licensed pursuant to Article 12 of the Navigation Law, 6 NYCRR Part 610 and 17 NYCRR Part 30. These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater. Includes MOSF's licensed or closed since April 1, 1986, (responsibility was transferred from DOT on October 13, 1985) plus available data obtained from DOT facilities licensed since Article 12 became law on April 1, 1978.

A review of the NY MOSF UST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 2 NY MOSF UST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NORTH FIRST STREET FUEL OIL TE	***214 KENT AVENUE***	***NE 1/4 - 1/2 (0.426 mi.)***	***W136***	***461***

Lower Elevation	Address	Direction / Distance	Map ID	Page
TRANSGAS ENERGY SYSTEMS	***1 NORTH 12TH STREET***	***SW 1/8 - 1/4 (0.209 mi.)***	***S105***	***277***

EXECUTIVE SUMMARY

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

A review of the NY AST list, as provided by EDR, and dated 11/13/2013 has revealed that there are 15 NY AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MESEROLE AVENUE LLC	239 BANKER STREET	ESE 1/8 - 1/4 (0.138 mi.)	I75	195
GUARD GENERAL MERCHANDISE CO	***61 GREENPOINT AVE***	***N 1/8 - 1/4 (0.162 mi.)***	***L84***	***215***
37 GREENPOINT AVE (AKA 96 WEST	96 WEST STREET	N 1/8 - 1/4 (0.173 mi.)	J90	233
WH CHRISTIAN & SONS	***211-217 BANKER ST***	***SE 1/8 - 1/4 (0.180 mi.)***	***I92***	***235***
KENT STREET	59 KENT STREET	N 1/8 - 1/4 (0.204 mi.)	101	272
CORZO CONTRACTING CO INC	***190 BANKER STREET***	***SE 1/8 - 1/4 (0.210 mi.)***	***Q108***	***318***
PUBLIC SCHOOL 31 (OLD)-BROOKLY	75 MESEROLE AVE	ESE 1/8 - 1/4 (0.212 mi.)	M110	332
101 GREENPOINT AVE.	101 GREENPOINT AVENUE	NNE 1/8 - 1/4 (0.214 mi.)	R113	337
1125 LORIMER STREET	1125 LORIMER ST	ENE 1/8 - 1/4 (0.222 mi.)	O115	345
POLISH NATIONAL ALLIANCE OF TH	155 NOBLE STREET	ENE 1/8 - 1/4 (0.229 mi.)	P118	355
105-115 GREENPOINT LLC	111 GREENPOINT AVE	NE 1/8 - 1/4 (0.232 mi.)	R119	357
128-130 GREENPOINT AV	128-130 GREENPOINT AVEN	NE 1/8 - 1/4 (0.232 mi.)	R120	359
1066 LORIMER ST	***1066 LORIMER ST***	***E 1/8 - 1/4 (0.242 mi.)***	***123***	***363***

Lower Elevation	Address	Direction / Distance	Map ID	Page
P. CHIMENTO TRUCKING, INC	***11 WEST ST***	***S 0 - 1/8 (0.033 mi.)***	***A10***	***24***
W. H. CHRISTIAN & SONS, INC.	22-28 FRANKLIN STREET	SSE 0 - 1/8 (0.095 mi.)	E52	148

NY CBS AST: Chemical Bulk Storage Database. Registration data collected as required by 6 NYCRR Part 596. It includes facilities storing hazardous substances listed in 6 NYCRR Part 597, in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size. Includes facilities registered (and closed) since effective date of CBS regulations (July 15, 1988) through the date request is processed.

A review of the NY CBS AST list, as provided by EDR, and dated 01/01/2002 has revealed that there is 1 NY CBS AST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
TRANSGAS ENERGY SYSTEMS	***1 NORTH 12TH STREET***	***SW 1/8 - 1/4 (0.209 mi.)***	***S105***	***277***

NY MOSF AST: Major Oil Storage Facilities Database. Facilities are licensed pursuant to Article 12 of the Navigation Law, 6 NYCRR Part 610 and 17 NYCRR Part 30. These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater. Includes MOSF's licensed or closed since April 1, 1986, (responsibility was transferred from DOT on October 13, 1985) plus available data obtained from DOT facilities licensed since Article 12 became law on April 1, 1978.

A review of the NY MOSF AST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 2 NY MOSF AST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NORTH FIRST STREET FUEL OIL TE	***214 KENT AVENUE***	***NE 1/4 - 1/2 (0.426 mi.)***	***W136***	***461***

Lower Elevation	Address	Direction / Distance	Map ID	Page
TRANSGAS ENERGY SYSTEMS	***1 NORTH 12TH STREET***	***SW 1/8 - 1/4 (0.209 mi.)***	***S105***	***277***

NY MOSF: These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

A review of the NY MOSF list, as provided by EDR, and dated 11/13/2013 has revealed that there is 1 NY MOSF site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
TRANSGAS ENERGY SYSTEMS	***1 NORTH 12TH STREET***	***SW 1/8 - 1/4 (0.209 mi.)***	***S105***	***277***

NY CBS: These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

A review of the NY CBS list, as provided by EDR, and dated 11/13/2013 has revealed that there is 1 NY CBS site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
TRANSGAS ENERGY SYSTEMS	***1 NORTH 12TH STREET***	***SW 1/8 - 1/4 (0.209 mi.)***	***S105***	***277***

State and tribal voluntary cleanup sites

NY VCP: Voluntary Cleanup Agreements. The voluntary remedial program uses private monies to get contaminated sites remediated to levels allowing for the sites' productive use. The program covers virtually any kind of site and contamination.

A review of the NY VCP list, as provided by EDR, and dated 11/13/2013 has revealed that there are 3 NY VCP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
101-105 WEST STREET	101-105 WEST STREET, BR	N 1/8 - 1/4 (0.182 mi.)	J93	254
WILLIAMSBURG WORKS	KENT AVE & 12TH STREET	S 1/4 - 1/2 (0.268 mi.)	U124	366

Lower Elevation	Address	Direction / Distance	Map ID	Page
BAYSIDE OIL	1-65 NORTH 12TH STREET	SW 1/8 - 1/4 (0.209 mi.)	S104	276

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

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

A review of the NY HIST UST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 10 NY HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
S & B CAAMANO	***54 FRANKLIN ST***	***ESE 0 - 1/8 (0.063 mi.)***	***E28***	***85***
W. H. CHRISTIAN & SONS INC	***31 FRANKLIN ST***	***SE 0 - 1/8 (0.074 mi.)***	***E41***	***114***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WH CHRISTIAN & SONS	***211-217 BANKER ST***	***SE 1/8 - 1/4 (0.180 mi.)***	***I92***	***235***
NYC DEP B-9 FACILITY	22 NORTH 15TH STREET	SSE 1/8 - 1/4 (0.190 mi.)	N98	266
CORZO CONTRACTING CO INC	***190 BANKER STREET***	***SE 1/8 - 1/4 (0.210 mi.)***	***Q108***	***318***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CONSOLIDATED FREIGHTWAYS	11 WEST STREET	S 0 - 1/8 (0.033 mi.)	A8	21
P. CHIMENTO TRUCKING, INC	***11 WEST ST***	***S 0 - 1/8 (0.033 mi.)***	***A10***	***24***
QUAY STREET SHOP	***40-96 QUAY STREET***	***SSW 0 - 1/8 (0.063 mi.)***	***C29***	***88***
WH CHRISTIAN AND SONS	***22-28 FRANKLIN ST***	***SSE 0 - 1/8 (0.095 mi.)***	***E50***	***142***
V E 2 PLATING CO	***7-11 N 15 ST***	***SSE 1/8 - 1/4 (0.143 mi.)***	***H78***	***199***

Records of Emergency Release Reports

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

A review of the NY Spills list, as provided by EDR, and dated 09/25/2013 has revealed that there are 24 NY Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
VAULT 2772 Spill Number/Closed Date: 9907752 / 6/17/2003	45 WEST ST	NNW 0 - 1/8 (0.016 mi.)	A7	20
MANHOLE #8303 Spill Number/Closed Date: 0206616 / 1/20/2004	SO OF NOBLE ST-WEST ST	NNW 0 - 1/8 (0.056 mi.)	D18	72
TM 1081 Spill Number/Closed Date: 0004584 / 10/19/2001	NOBLE ST /W OF WEST ST	NNW 0 - 1/8 (0.056 mi.)	D19	74
VAULT # 2795 Spill Number/Closed Date: 0413090 / 10/23/2006	WEST STREET/NOBEL STREE	NNW 0 - 1/8 (0.056 mi.)	D21	76
VAULT #2155 Spill Number/Closed Date: 0413081 / 3/20/2008	WEST ST / NOBEL ST	NNW 0 - 1/8 (0.056 mi.)	D22	77
VAULT #2772 Spill Number/Closed Date: 0413087 / 10/23/2006	WEST STREET/NOBEL STREE	NNW 0 - 1/8 (0.056 mi.)	D23	78
RAMOS RESIDENCE Spill Number/Closed Date: 0811007 / 1/8/2009	84 FRANKLIN ST	ENE 0 - 1/8 (0.066 mi.)	B33	100
OAK ST &FRANKLIN AV/BKLYN Spill Number/Closed Date: 9001959 / 6/12/2006	OAK ST / FRANKLIN AVE	ENE 0 - 1/8 (0.068 mi.)	B35	102
MANHOLE #5761 Spill Number/Closed Date: 0010226 / 4/19/2001	QUA STREET & FRANKLYN A	SE 0 - 1/8 (0.072 mi.)	E38	109
79 FRANKLIN ST Spill Number/Closed Date: 9301226 / 10/16/1997	79 FRANKLIN ST	NE 0 - 1/8 (0.086 mi.)	F46	138
FRANKLIN & NOBLE ST Spill Number/Closed Date: 9110269 / 12/31/1991	FRANKLIN & NOBLE ST	NE 0 - 1/8 (0.088 mi.)	F47	139
TRANSFORMER VAULT # V7947 Spill Number/Closed Date: 0609203 / 3/19/2007	COR. OF NOBLE ST & FRAN	NE 0 - 1/8 (0.088 mi.)	F48	140

Lower Elevation	Address	Direction / Distance	Map ID	Page
P. CHIMENTO TRUCKING, INC Spill Number/Closed Date: 9614166 / 2/12/2003	***11 WEST ST***	***S 0 - 1/8 (0.033 mi.)***	***A10***	***24***

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
VAULT 5803 Spill Number/Closed Date: 0000060 / 1/22/2002	QUAY ST/WEST ST	S 0 - 1/8 (0.055 mi.)	C14	62
VS 5761 Spill Number/Closed Date: 0000054 / 5/29/2003	QUAY ST/ E OF WEST ST	S 0 - 1/8 (0.055 mi.)	C15	63
VAULT 5778 Spill Number/Closed Date: 0000056 / 1/22/2002	QUAY ST	SSE 0 - 1/8 (0.057 mi.)	C25	81
MERCO WHOLESALE CO Spill Number/Closed Date: 9407468 / 9/2/1994 Spill Number/Closed Date: 0302307 / 9/26/2003	40-96 QUAY STREET	SSW 0 - 1/8 (0.063 mi.)	C31	96
MANHOLE# 62580 Spill Number/Closed Date: 0404080 / 10/6/2006	18 FRANKLIN ST	SSE 0 - 1/8 (0.102 mi.)	E56	158
MANHOLE #62581 Spill Number/Closed Date: 9904561 / 10/21/1999	MERSEROLE AVE/FRANKLIN	SSE 0 - 1/8 (0.112 mi.)	H63	170
VANAGE SERVICE 3184 Spill Number/Closed Date: 9904547 / 4/4/2002	MESEROLE AVE & GEM ST	SE 0 - 1/8 (0.118 mi.)	H68	185
VAULT VS3184 Spill Number/Closed Date: 9904106 / 5/3/2007	MESEROLE & GEM ST	SE 0 - 1/8 (0.118 mi.)	H69	186
VS #3184 Spill Number/Closed Date: 9912478 / 2/26/2002	MESEROLE AVE/GEM ST	SE 0 - 1/8 (0.118 mi.)	H70	187
VAULT VS3184 Spill Number/Closed Date: 9904235 / 10/19/1999	MESEROLE AVE/ GEM ST	SE 0 - 1/8 (0.118 mi.)	H71	188
VAULT 3184 Spill Number/Closed Date: 9912676 / 2/26/2002	SS MESEROL AVE & GEM ST	SE 0 - 1/8 (0.118 mi.)	H72	189

Other Ascertainable Records

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

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 07/11/2013 has revealed that there are 18 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON	NOBLE ST & WEST ST	NNW 0 - 1/8 (0.056 mi.)	D20	75
W H CHRISTIAN & SONS INC	***31 FRANKLIN ST***	***SE 0 - 1/8 (0.074 mi.)***	***E39***	***111***
GMDC	***37 GREENPOINT AVE***	***N 1/8 - 1/4 (0.159 mi.)***	***J82***	***212***
ARTHUR J EVERS CORP	***221 BANKER ST***	***SE 1/8 - 1/4 (0.165 mi.)***	***I86***	***224***
SOVERN ELLEN	***118 MILTON ST***	***NE 1/8 - 1/4 (0.167 mi.)***	***K87***	***227***
NYCDEP - BROOKLYN WATER MAINTE	22 N 15TH ST	SSE 1/8 - 1/4 (0.190 mi.)	N96	257
RUEBRO MFG COMPANY INC	***1002 GRAND ST***	***S 1/8 - 1/4 (0.210 mi.)***	***T107***	***317***
NYC BD OF ED - PUBLIC SCHOOL 3	***75 MESEROLE AVE***	***ESE 1/8 - 1/4 (0.212 mi.)***	***M109***	***324***
TM759	***KENT ST. C162W FRANKLIN***	***NNE 1/8 - 1/4 (0.214 mi.)***	***112***	***336***
IDEAL PRECISION METER CO	***126 GREENPOINT AVE***	***NE 1/8 - 1/4 (0.229 mi.)***	***R117***	***348***
CON EDISON - VAULT 4146	13 ST & KENT AVE	S 1/8 - 1/4 (0.232 mi.)	T121	361

Lower Elevation	Address	Direction / Distance	Map ID	Page
CONSOLIDATED FREIGHTWAYS	***11 WEST ST***	***S 0 - 1/8 (0.033 mi.)***	***A9***	***22***

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON - VS 5778	***40-49 QUAY ST.***	***SSW 0 - 1/8 (0.063 mi.)***	***C32***	***98***
PAT & DOMS BODY & FENDER REPAI	***25 FRANKLIN ST***	***SE 0 - 1/8 (0.083 mi.)***	***E45***	***132***
WH CHRISTIAN & SONS	***22-28 FRANKLIN ST***	***SSE 0 - 1/8 (0.095 mi.)***	***E51***	***144***
POLY CONVERTERS OF AMERICA INC	***2 MESEROLE AVE***	***SSE 0 - 1/8 (0.125 mi.)***	***H73***	***191***
V2306	***2-50 NOBLE STREET***	***WNW 1/8 - 1/4 (0.129 mi.)***	***74***	***193***
V E 2 PLATING CO	***7-11 N 15 ST***	***SSE 1/8 - 1/4 (0.143 mi.)***	***H78***	***199***

NY HSWDS: The List includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity The latest version of the study is frozen in time. The sites on the study will not automatically be made superfund sites, rather each site will be further evaluated for listing in the registry. So overtime they will be added to the registry or not.

A review of the NY HSWDS list, as provided by EDR, and dated 01/01/2003 has revealed that there are 2 NY HSWDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BUG, WILLIAMSBURG WORKS	KENT AVENUE, NORTH 12TH	S 1/4 - 1/2 (0.275 mi.)	U125	367
BUG, PEOPLES WORKS	KENT AVE.	S 1/4 - 1/2 (0.332 mi.)	V130	425

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

A review of the NY MANIFEST list, as provided by EDR, and dated 11/01/2013 has revealed that there are 29 NY MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON	BANKER & MESEROLE AVE	ESE 1/8 - 1/4 (0.140 mi.)	I77	198
CONSOLIDATED EDISON	WEST ST & GREENPOINT AV	N 1/8 - 1/4 (0.154 mi.)	J79	208
NYC DEP HAZ MAT UNIT	WEST ST & GREENPOINT AV	N 1/8 - 1/4 (0.154 mi.)	J80	209
GMDC	***37 GREENPOINT AVE***	***N 1/8 - 1/4 (0.159 mi.)***	***J82***	***212***
BROOKLYN WOODWORKERS CO-OP LTD	***61 GREENPOINT AVE 6TH F***	***N 1/8 - 1/4 (0.162 mi.)***	***L85***	***219***
ARTHUR J EVERS CORP	***221 BANKER ST***	***SE 1/8 - 1/4 (0.165 mi.)***	***I86***	***224***
SOVERN ELLEN	***118 MILTON ST***	***NE 1/8 - 1/4 (0.167 mi.)***	***K87***	***227***
CONSOLIDATED EDISON	12 CLIFFORD PLACE - MH1	ESE 1/8 - 1/4 (0.168 mi.)	M88	229
CONSOLIDATED EDISON MH19129	MH19129 12 CLIFFORD PL	ESE 1/8 - 1/4 (0.168 mi.)	M89	231
WH CHRISTIAN & SONS	***211-217 BANKER ST***	***SE 1/8 - 1/4 (0.180 mi.)***	***I92***	***235***
NYCDEP - BROOKLYN WATER MAINTE	***22 N 15TH ST***	***SSE 1/8 - 1/4 (0.190 mi.)***	***N97***	***258***
CON EDISON	135 NOBLE ST	ENE 1/8 - 1/4 (0.195 mi.)	P100	271
ALBEST METAL STAMPING	1 KENT AVENUE	S 1/8 - 1/4 (0.210 mi.)	T106	316
NYC BD OF ED - PUBLIC SCHOOL 3	***75 MESEROLE AVE***	***ESE 1/8 - 1/4 (0.212 mi.)***	***M109***	***324***
TM759	***KENT ST. C162W FRANKLIN***	***NNE 1/8 - 1/4 (0.214 mi.)***	***112***	***336***
IDEAL PRECISION METER CO	***126 GREENPOINT AVE***	***NE 1/8 - 1/4 (0.229 mi.)***	***R117***	***348***

Lower Elevation	Address	Direction / Distance	Map ID	Page
P. CHIMENTO TRUCKING, INC	***11 WEST ST***	***S 0 - 1/8 (0.033 mi.)***	***A10***	***24***
CONSOLIDATED EDISON	90 QUAY ST AND WEST ST	S 0 - 1/8 (0.056 mi.)	C16	65
NYC TRANSIT - STORAGE FACILITY	***90 QUAY ST***	***S 0 - 1/8 (0.056 mi.)***	***C17***	***66***

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON - VS 5778	***40-49 QUAY ST.***	***SSW 0 - 1/8 (0.063 mi.)***	***C32***	***98***
PAT & DOMS BODY & FENDER REPAI	***25 FRANKLIN ST***	***SE 0 - 1/8 (0.083 mi.)***	***E45***	***132***
WH CHRISTIAN AND SONS	***22-28 FRANKLIN ST***	***SSE 0 - 1/8 (0.095 mi.)***	***E50***	***142***
POLY CONVERTERS OF AMERICA INC	2 MESEROLE AVE	SSE 0 - 1/8 (0.111 mi.)	H61	167
8 MESEROLE AVE BUILDING	***8 MESEROLE AVE***	***SSE 0 - 1/8 (0.115 mi.)***	***H66***	***173***
V2306	***2-50 NOBLE STREET***	***WNW 1/8 - 1/4 (0.129 mi.)***	***74***	***193***
V E 2 PLATING CO	***7-11 N 15 ST***	***SSE 1/8 - 1/4 (0.143 mi.)***	***H78***	***199***
CON EDISON	23 N 15TH ST	SSE 1/8 - 1/4 (0.186 mi.)	N94	255
TRANSGAS ENERGY SYSTEMS	***1 NORTH 12TH STREET***	***SW 1/8 - 1/4 (0.209 mi.)***	***S105***	***277***
NYCPR - MONUMENTS FIELD OFFICE	***10 KENT ST***	***NNW 1/8 - 1/4 (0.214 mi.)***	***114***	***339***

NJ MANIFEST: Hazardous waste manifest information.

A review of the NJ MANIFEST list, as provided by EDR, and dated 11/01/2013 has revealed that there is 1 NJ MANIFEST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
NYCPR - MONUMENTS FIELD OFFICE	***10 KENT ST***	***NNW 1/8 - 1/4 (0.214 mi.)***	***114***	***339***

NY DRYCLEANERS: A listing of all registered drycleaning facilities.

A review of the NY DRYCLEANERS list, as provided by EDR, and dated 10/17/2013 has revealed that there is 1 NY DRYCLEANERS site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
W.H. CHRISTIAN & SONS	211 BANKER ST(22-28 FRA	SE 1/8 - 1/4 (0.180 mi.)	I91	235

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

A review of the NY E DESIGNATION list, as provided by EDR, and dated 09/17/2013 has revealed that there are 20 NY E DESIGNATION sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOT 1,TAXBLOCK 2570	27 WEST STREET	SW 0 - 1/8 (0.005 mi.)	A2	9
LOT 9,TAXBLOCK 2571	64 OAK STREET	N 0 - 1/8 (0.007 mi.)	A4	14
LOT 1,TAXBLOCK 2567	43 WEST STREET	NNW 0 - 1/8 (0.011 mi.)	A5	16
LOT 5,TAXBLOCK 2589	64 CALYER STREET	ESE 0 - 1/8 (0.034 mi.)	A11	56
LOT 18,TAXBLOCK 2571	82 OAK STREET	NE 0 - 1/8 (0.044 mi.)	B12	58
LOT 1,TAXBLOCK 2565	62 WEST STREET	NNW 0 - 1/8 (0.071 mi.)	D36	103
LOT 2,TAXBLOCK 2569	96 FRANKLIN STREET	ENE 0 - 1/8 (0.071 mi.)	B37	106
LOT 1,TAXBLOCK 2568	71 WEST STREET	NNW 0 - 1/8 (0.099 mi.)	D54	153
LOT 1,TAXBLOCK 2564	61 WEST STREET	NNW 0 - 1/8 (0.099 mi.)	D55	155
LOT 4,TAXBLOCK 2566	118 FRANKLIN STREET	NNE 0 - 1/8 (0.103 mi.)	F57	159
LOT 39,TAXBLOCK 2562	39 MILTON STREET	N 0 - 1/8 (0.109 mi.)	G60	165
LOT 37,TAXBLOCK 2562	55 MILTON STREET	NNE 0 - 1/8 (0.113 mi.)	G64	171
LOT 29,TAXBLOCK 2562	61 MILTON STREET	NNE 0 - 1/8 (0.115 mi.)	G67	183

Lower Elevation	Address	Direction / Distance	Map ID	Page
LOT 25,TAXBLOCK 2590	56 QUAY STREET	SSW 0 - 1/8 (0.058 mi.)	C26	82

Lower Elevation	Address	Direction / Distance	Map ID	Page
LOT 13,TAXBLOCK 2589	93 QUAY STREET	SE 0 - 1/8 (0.062 mi.)	E27	83
LOT 1,TAXBLOCK 2590	40 QUAY STREET	SSW 0 - 1/8 (0.063 mi.)	C30	93
LOT 222,TAXBLOCK 2590	9 QUAY STREET	SW 0 - 1/8 (0.078 mi.)	42	123
LOT 210,TAXBLOCK 2590	27 FRANKLIN STREET	SE 0 - 1/8 (0.080 mi.)	E43	126
LOT 36,TAXBLOCK 2570	2 OAK STREET	W 0 - 1/8 (0.082 mi.)	44	129
LOT 215,TAXBLOCK 2590	11 FRANKLIN STREET	SSE 0 - 1/8 (0.108 mi.)	E59	162

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

A review of the EDR MGP list, as provided by EDR, has revealed that there are 3 EDR MGP sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WYTHE AVE. (BERRY ST.) STATION	WYTHE AVE., BERRY ST.,	SSE 1/4 - 1/2 (0.351 mi.)	131	426

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON - EAST 14TH ST. WOR	EAST 14TH - EAST 16TH S	W 1/2 - 1 (0.773 mi.)	153	555
CON EDISON - EAST 11TH ST. WOR	EAST 11TH - EAST 13TH S	W 1/2 - 1 (0.782 mi.)	154	555

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

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 9 EDR US Hist Auto Stat sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	44 WEST ST	NNW 0 - 1/8 (0.016 mi.)	A6	19
Not reported	88 FRANKLIN ST	ENE 0 - 1/8 (0.067 mi.)	B34	102
Not reported	109 FRANKLIN ST	NNE 1/8 - 1/4 (0.161 mi.)	L83	214
Not reported	193 BANKER ST	SE 1/8 - 1/4 (0.206 mi.)	Q102	276
Not reported	97 GREENPOINT AVE	NNE 1/8 - 1/4 (0.207 mi.)	R103	276

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	179 BANKER ST	SE 1/8 - 1/4 (0.227 mi.)	Q116	347
Not reported	163 NOBLE ST	ENE 1/8 - 1/4 (0.236 mi.)	P122	363

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	11 FRANKLIN ST	SSE 0 - 1/8 (0.108 mi.)	E58	162
Not reported	11 MESEROLE AVE	SE 0 - 1/8 (0.114 mi.)	H65	173

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

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 3 EDR US Hist Cleaners sites within approximately 0.25 miles of the target property.

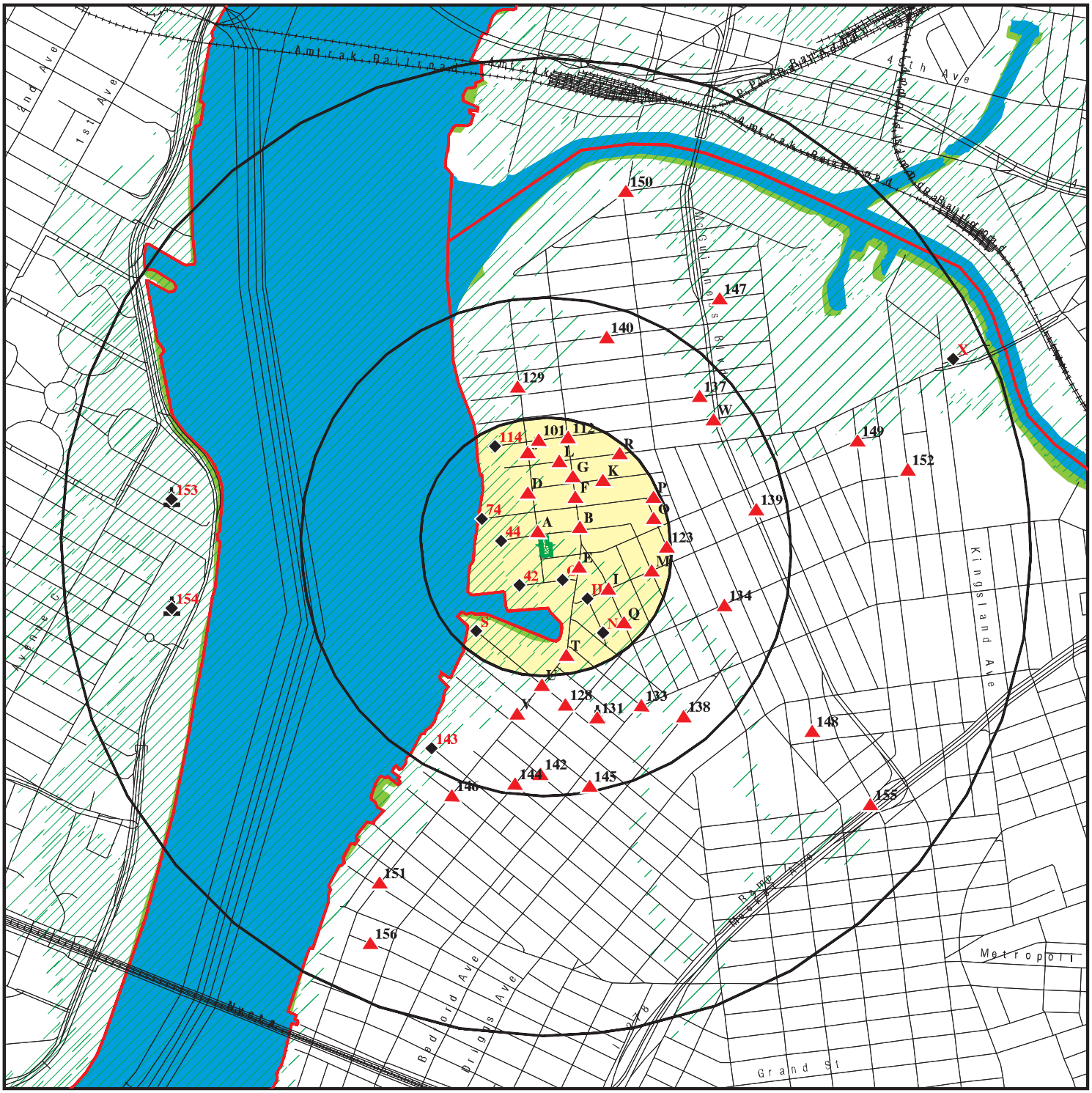
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	88 NOBLE ST	NE 0 - 1/8 (0.091 mi.)	F49	142
Not reported	132 FRANKLIN ST	NNE 1/8 - 1/4 (0.138 mi.)	G76	197
Not reported	155 CALYER ST	E 1/8 - 1/4 (0.188 mi.)	O95	256

EXECUTIVE SUMMARY

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

Site Name	Database(s)
NYSDOT BIN 1066220	FINDS, NY MANIFEST
BELL ATLANTIC-NY	NY MANIFEST
NYCDOT	RCRA NonGen / NLR, FINDS, NY MANIFEST
BELL ATLANTIC-NY	RCRA NonGen / NLR, NY MANIFEST
NYCTA - FULTON & BRIDGE ST STORAGE	RCRA NonGen / NLR, FINDS, NY MANIFEST
CONSOLIDATED EDISON	RCRA NonGen / NLR, NY MANIFEST
CONSOLIDATED EDISON	RCRA NonGen / NLR, NY MANIFEST
CONSOLIDATED EDISON	RCRA NonGen / NLR, NY MANIFEST
NYC BOARD OF EDUCATION PS 369 BKLY	RCRA NonGen / NLR, FINDS, NY MANIFEST
CONSOLIDATED EDISON	RCRA NonGen / NLR, NY MANIFEST
CONSOLIDATED EDISON	RCRA NonGen / NLR, NY MANIFEST
CONSOLIDATED EDISON	RCRA NonGen / NLR, NY MANIFEST
CONSOLIDATED EDISON	RCRA NonGen / NLR, NY MANIFEST
CONSOLIDATED EDISON	RCRA NonGen / NLR, NY MANIFEST
CONSOLIDATED EDISON	RCRA NonGen / NLR, NY MANIFEST
EXIT 34	NY Spills
ROADWAY	NY Spills
KINGS HIGHWAY MOBIL	NY Spills
BETW/AVE X &	NY Spills
205842; KINGS HWY	NY Spills

OVERVIEW MAP - 3799022.2s



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

County Boundary

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

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

SITE NAME: Penguin	CLIENT: ENVIRON International Corporation
ADDRESS: 26 West Street Brooklyn NY 11222	CONTACT: William Holm
LAT/LONG: 40.7272 / -73.9586	INQUIRY #: 3799022.2s
	DATE: December 02, 2013 1:15 pm

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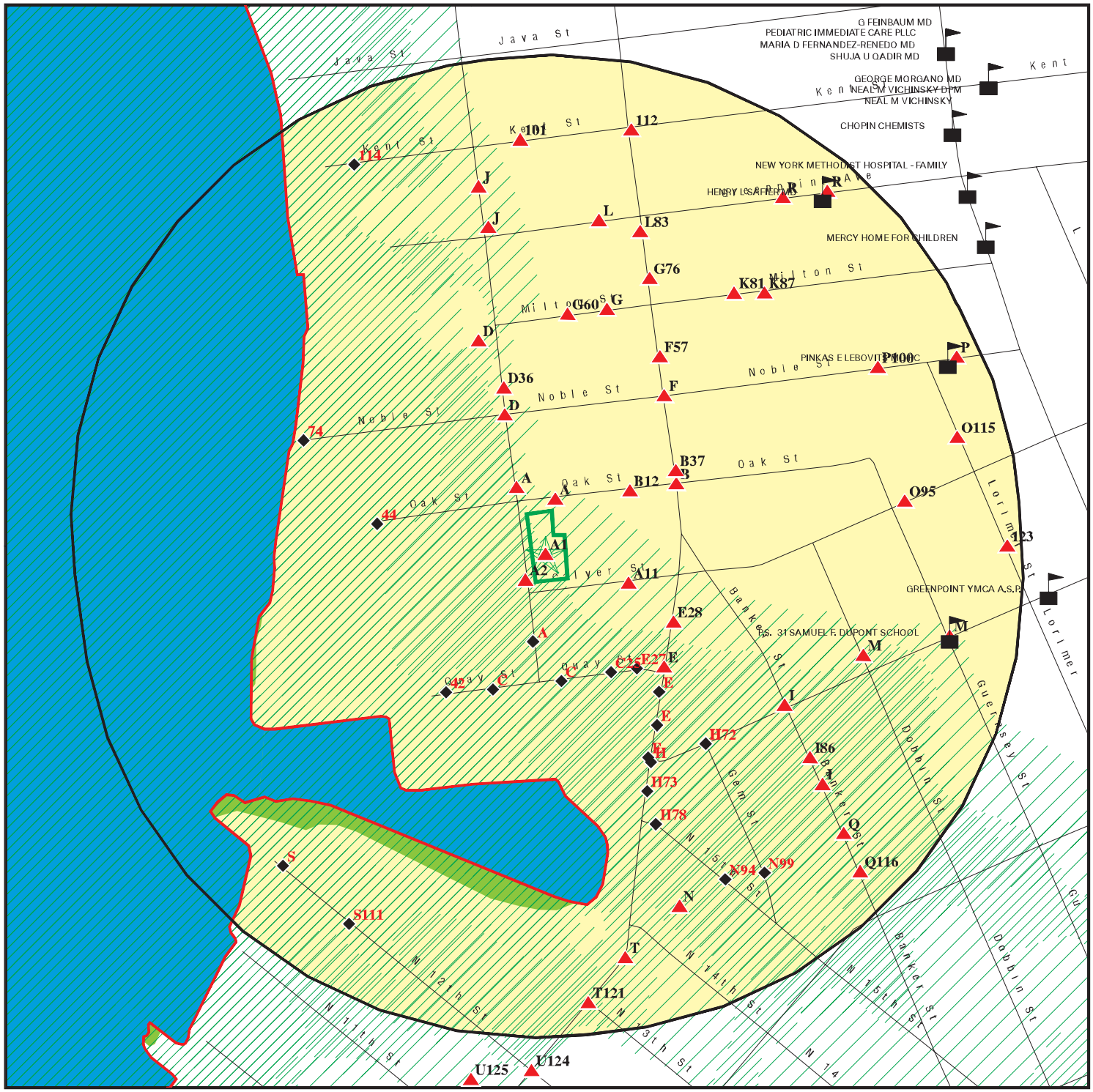
DETAIL MAP - 3799022.2s



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

County Boundary

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

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

SITE NAME: Penguin	CLIENT: ENVIRON International Corporation
ADDRESS: 26 West Street Brooklyn NY 11222	CONTACT: William Holm
LAT/LONG: 40.7272 / -73.9586	INQUIRY #: 3799022.2s
	DATE: December 02, 2013 1:18 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	1	NR	1
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		2	1	NR	NR	NR	3
RCRA-CESQG	0.250		2	3	NR	NR	NR	5
Federal institutional controls / engineering controls registries								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
NY SHWS	1.000		0	0	1	10	NR	11
NY VAPOR REOPENED	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
NY SWF/LF	0.500		0	2	2	NR	NR	4
State and tribal leaking storage tank lists								
NY LTANKS	0.500		3	3	14	NR	NR	20
NY HIST LTANKS	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
State and tribal registered storage tank lists								
NY TANKS	0.250		0	0	NR	NR	NR	0
NY UST	0.250		7	4	NR	NR	NR	11
NY CBS UST	0.250		0	1	NR	NR	NR	1
NY MOSF UST	0.500		0	1	1	NR	NR	2
NY AST	0.250		2	13	NR	NR	NR	15
NY CBS AST	0.250		0	1	NR	NR	NR	1
NY MOSF AST	0.500		0	1	1	NR	NR	2
NY MOSF	0.500		0	1	0	NR	NR	1
NY CBS	0.250		0	1	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
NY ENG CONTROLS	0.500		0	0	0	NR	NR	0
NY INST CONTROL	0.500		0	0	0	NR	NR	0
NY RES DECL	0.125		0	NR	NR	NR	NR	0
State and tribal voluntary cleanup sites								
NY VCP	0.500		0	2	1	NR	NR	3
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
NY ERP	0.500		0	0	0	NR	NR	0
NY BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
NY SWRCY	0.500		0	0	0	NR	NR	0
NY SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
NY DEL SHWS	1.000		0	0	0	0	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
NY HIST UST	0.250		6	4	NR	NR	NR	10
NY HIST AST	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
NY LIENS	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
NY Spills	0.125		24	NR	NR	NR	NR	24
NY Hist Spills	0.125		0	NR	NR	NR	NR	0
NY SPILLS 90	0.125		0	NR	NR	NR	NR	0
NY SPILLS 80	0.125		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		7	11	NR	NR	NR	18
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
NY HSWDS	0.500		0	0	2	NR	NR	2
NY UIC	TP		NR	NR	NR	NR	NR	0
NY MANIFEST	0.250		8	21	NR	NR	NR	29
RI MANIFEST	0.250		0	0	NR	NR	NR	0
NJ MANIFEST	0.250		0	1	NR	NR	NR	1
NY DRYCLEANERS	0.250		0	1	NR	NR	NR	1
NY SPDES	TP		NR	NR	NR	NR	NR	0
NY AIRS	TP		NR	NR	NR	NR	NR	0
NY E DESIGNATION	0.125	1	20	NR	NR	NR	NR	21
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
NY COAL ASH	0.500		0	0	0	NR	NR	0
NY Financial Assurance	TP		NR	NR	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	1	2	NR	3
EDR US Hist Auto Stat	0.250		4	5	NR	NR	NR	9
EDR US Hist Cleaners	0.250		1	2	NR	NR	NR	3

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 Target Property | **LOT 1,TAXBLOCK 2571**
26 WEST STREET
BROOKLYN, NY 11222 | **NY E DESIGNATION** | **S108076177**
N/A

Site 1 of 11 in cluster A

Actual: 10 ft.

E DESIGNATION:

Tax Lot(s):	1
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A)ZRK, 050111 (A)ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	BK
Community District:	301
Census Tract:	559
Census Block:	1001
School District:	14
City Council District:	33
Fire Company:	L106
Health Area:	30
Police Precinct:	094
Zone District 1:	M1-2/R6A
Zone District 2:	M1-2/R6B
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	MX-8
Special Purpose District2:	Not reported
All Components1:	M1-2/R6A/MX-8
All Components2:	M1-2/R6B
Split Boundary Indicator:	Y
Building Class:	O9
Land Use Category:	05
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	NEW YORK CITY INDUSTR
Lot Area:	000018125
Total Building Floor Area:	00000025000
Commercial Floor Area:	00000025000
Office Floor Area:	00000012500
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000012500
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0025.00
Lot Depth:	0043.00
Building Frontage:	0075.00
Building Depth:	0125.00
Proximity Code:	0
Irregular Lot Code:	Y

LOT 1,TAXBLOCK 2571 (Continued) **S108076177**

Lot Type:	3
Basement Type Grade:	5
Land Assessed Value:	00000090450
Total Assessed Value:	00000383400
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1972
Year Built Code:	Not reported
Year Altered1:	1991
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.38
Maximum Allowable Far:	03.00
Borough Code:	3
Borough Tax Block And Lot:	3025710001
Condominium Number:	00000
Census Tract 2:	0559
X Coordinate:	0995731
Y Coordinate:	0204231
Zoning Map:	12C
Sanborn Map:	304 033
Tax Map:	30902
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

A2
SW
< 1/8
0.005 mi.
28 ft.

LOT 1,TAXBLOCK 2570 **NY E DESIGNATION** **S108076176**
27 WEST STREET **N/A**
BROOKLYN, NY 11222

Site 2 of 11 in cluster A

Relative:
Higher

Actual:
10 ft.

E DESIGNATION:

Tax Lot(s):	1
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A)ZRK, 050111 (A)ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	BK
Community District:	301
Census Tract:	577
Census Block:	1010
School District:	14
City Council District:	33
Fire Company:	L106
Health Area:	30

LOT 1,TAXBLOCK 2570 (Continued) **S108076176**

Police Precinct:	094
Zone District 1:	R8
Zone District 2:	R6
Commercial Overlay1:	C2-4
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C2-4/R8
All Components2:	R6
Split Boundary Indicator:	Y
Building Class:	T9
Land Use Category:	07
Number of Easements:	0
Owner, Type of Code:	C
Owner Name:	M & H REALTY
Lot Area:	000213100
Total Building Floor Area:	00000077000
Commercial Floor Area:	00000077000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000077000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00003
Number of Floors:	002.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0460.00
Lot Depth:	0803.00
Building Frontage:	0150.00
Building Depth:	0075.00
Proximity Code:	0
Irregular Lot Code:	Y
Lot Type:	3
Basement Type Grade:	5
Land Assessed Value:	00001147500
Total Assessed Value:	00002205000
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1931
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.36
Maximum Allowable Far:	06.02
Borough Code:	3
Borough Tax Block And Lot:	3025700001
Condominium Number:	00000
Census Tract 2:	0577
X Coordinate:	0995073
Y Coordinate:	0203933
Zoning Map:	12C
Sanborn Map:	304 004

LOT 1,TAXBLOCK 2570 (Continued) **S108076176**

Tax Map:	30902
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1
Tax Lot(s):	1
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A)ZRK, 050111 (A)ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	BK
Community District:	301
Census Tract:	577
Census Block:	1010
School District:	14
City Council District:	33
Fire Company:	L106
Health Area:	30
Police Precinct:	094
Zone District 1:	R8
Zone District 2:	R6
Commercial Overlay1:	C2-4
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C2-4/R8
All Components2:	R6
Split Boundary Indicator:	Y
Building Class:	T9
Land Use Category:	07
Number of Easements:	0
Owner, Type of Code:	C
Owner Name:	M & H REALTY
Lot Area:	000213100
Total Building Floor Area:	00000077000
Commercial Floor Area:	00000077000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000077000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00003
Number of Floors:	002.00
Residential Units:	00000

LOT 1,TAXBLOCK 2570 (Continued) **S108076176**

Non and Residential Units:	00001
Lot Frontage:	0460.00
Lot Depth:	0803.00
Building Frontage:	0150.00
Building Depth:	0075.00
Proximity Code:	0
Irregular Lot Code:	Y
Lot Type:	3
Basement Type Grade:	5
Land Assessed Value:	00001147500
Total Assessed Value:	00002205000
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1931
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.36
Maximum Allowable Far:	06.02
Borough Code:	3
Borough Tax Block And Lot:	3025700001
Condominium Number:	00000
Census Tract 2:	0577
X Coordinate:	0995073
Y Coordinate:	0203933
Zoning Map:	12C
Sanborn Map:	304 004
Tax Map:	30902
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

A3 **64 OAK ST** **NY UST** **U004156998**
North **64 OAK ST** **N/A**
< 1/8 **BROOKLYN, NY 11222**
0.007 mi.
36 ft. **Site 3 of 11 in cluster A**

Relative:
Higher

Actual:
11 ft.

UST:

Id/Status:	2-611390 / Unregulated
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	Not reported
UTM Y:	Not reported
Site Type:	Private Residence

Affiliation Records:

64 OAK ST (Continued) **U004156998**

Site Id:	437008
Affiliation Type:	Facility Owner
Company Name:	ANTHONY PILIASKAS
Contact Type:	OWNER
Contact Name:	ANTHONY PILIASKAS
Address1:	64 OAK ST
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11222
Country Code:	001
Phone:	(347) 29740458
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	7/6/2010

Site Id:	437008
Affiliation Type:	Mail Contact
Company Name:	ANTHONY PILIASKAS
Contact Type:	Not reported
Contact Name:	ANTHONY PILIASKAS
Address1:	64 OAK ST
Address2:	PO BOX 383
City:	BROOKLYN
State:	NY
Zip Code:	11222
Country Code:	001
Phone:	(347) 29740458
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	7/6/2010

Site Id:	437008
Affiliation Type:	On-Site Operator
Company Name:	64 OAK ST
Contact Type:	Not reported
Contact Name:	N/A
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	N/A
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	7/6/2010

Site Id:	437008
Affiliation Type:	Emergency Contact
Company Name:	ANTHONY PILIASKAS
Contact Type:	Not reported
Contact Name:	N/A
Address1:	Not reported

64 OAK ST (Continued) **U004156998**

Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	N/A
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	7/6/2010

Tank Info:

Tank Number:	001
Tank ID:	235105
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	1080
Install Date:	Not reported
Date Tank Closed:	01/29/2007
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	MSBAPTIS
Last Modified:	07/06/2010

Equipment Records:

E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
L00 - Piping Leak Detection - None
I00 - Overfill - None
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
C02 - Pipe Location - Underground/On-ground
B00 - Tank External Protection - None
K00 - Spill Prevention - None

A4 **LOT 9,TAXBLOCK 2571** **NY E DESIGNATION** **S108076734**
North **64 OAK STREET** **N/A**
< 1/8 **BROOKLYN, NY 11222**
0.007 mi.
36 ft. **Site 4 of 11 in cluster A**

Relative:
Higher

Actual:
11 ft.

E DESIGNATION:

Tax Lot(s):	9
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported

LOT 9,TAXBLOCK 2571 (Continued) **S108076734**

Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A)ZRK, 050111 (A)ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Borough Code:	BK
Community District:	301
Census Tract:	559
Census Block:	1001
School District:	14
City Council District:	33
Fire Company:	L106
Health Area:	30
Police Precinct:	094
Zone District 1:	M1-2/R6A
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	MX-8
Special Purpose District2:	Not reported
All Components1:	M1-2/R6A/MX-8
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	E9
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	ORMINSKI FAMILY PROPE
Lot Area:	000001625
Total Building Floor Area:	00000001575
Commercial Floor Area:	00000001575
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000001575
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0021.67
Lot Depth:	0075.00
Building Frontage:	0021.00
Building Depth:	0075.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000009000
Total Assessed Value:	00000033075
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1931
Year Built Code:	Not reported
Year Altered1:	0000

Appendix C

Historical Research Documentation

Appendix C.1

Topographic Maps

Penguin
26 West Street
Brooklyn, NY 11222

Inquiry Number: 3799022.4
December 02, 2013

EDR Historical Topographic Map Report

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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

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Historical Topographic Map

N	TARGET QUAD NAME: BROOKLYN MAP YEAR: 1900 SERIES: 15 SCALE: 1:62500	SITE NAME: Penguin ADDRESS: 26 West Street Brooklyn, NY 11222 LAT/LONG: 40.7272 / -73.9586	CLIENT: ENVIRON International Corporation CONTACT: William Holm INQUIRY#: 3799022.4 RESEARCH DATE: 12/02/2013

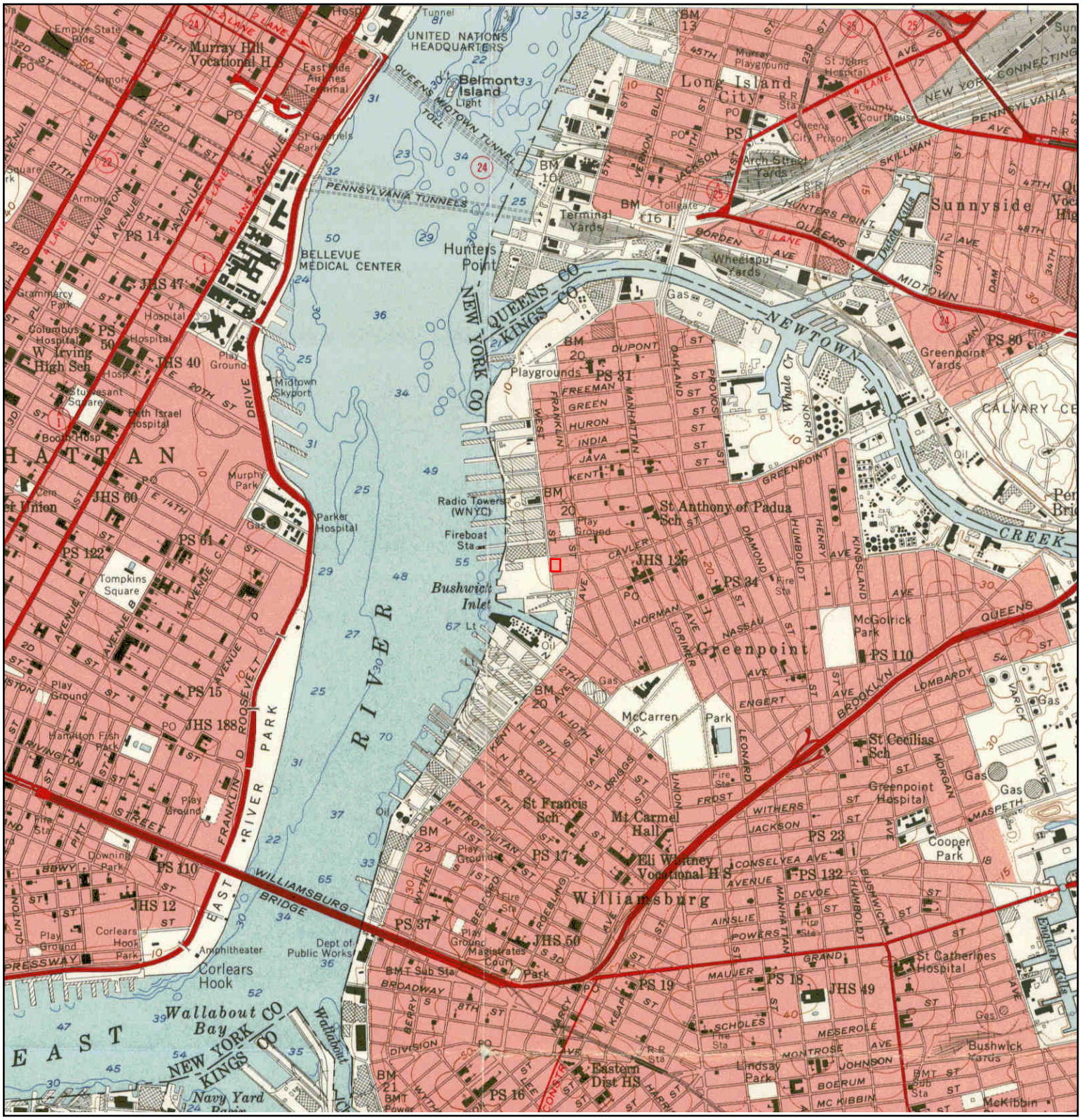
Historical Topographic Map

N	TARGET QUAD NAME: BROOKLYN MAP YEAR: 1924 REVISED FROM :1900 SERIES: 15 SCALE: 1:62500	SITE NAME: Penguin ADDRESS: 26 West Street Brooklyn, NY 11222 LAT/LONG: 40.7272 / -73.9586	CLIENT: ENVIRON International Corporation CONTACT: William Holm INQUIRY#: 3799022.4 RESEARCH DATE: 12/02/2013

Historical Topographic Map

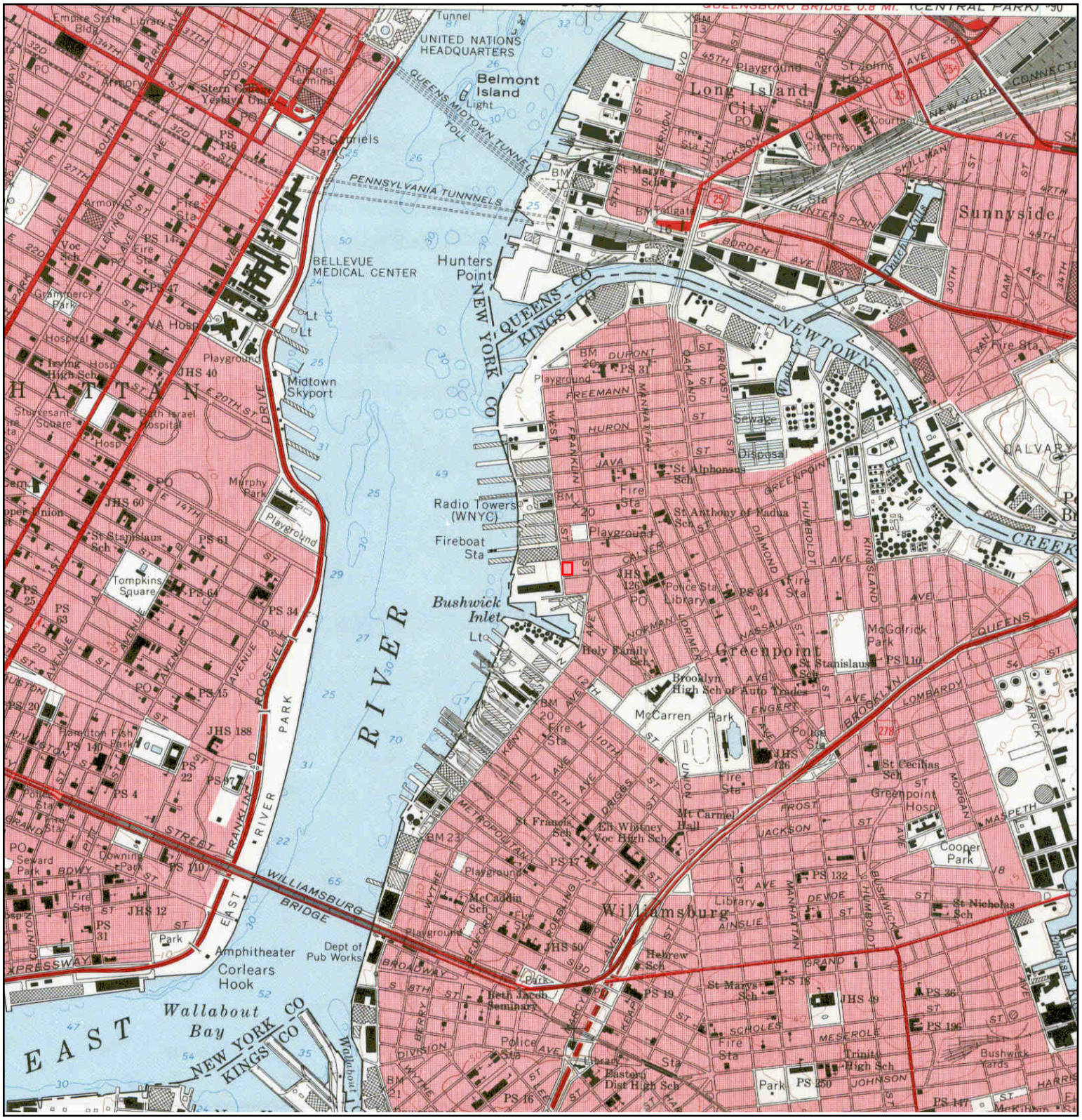
N	**TARGET QUAD** NAME: BROOKLYN MAP YEAR: 1947 SERIES: 7.5 SCALE: 1:25000	SITE NAME: Penguin ADDRESS: 26 West Street Brooklyn, NY 11222 LAT/LONG: 40.7272 / -73.9586	CLIENT: ENVIRON International Corporation CONTACT: William Holm INQUIRY#: 3799022.4 RESEARCH DATE: 12/02/2013

Historical Topographic Map



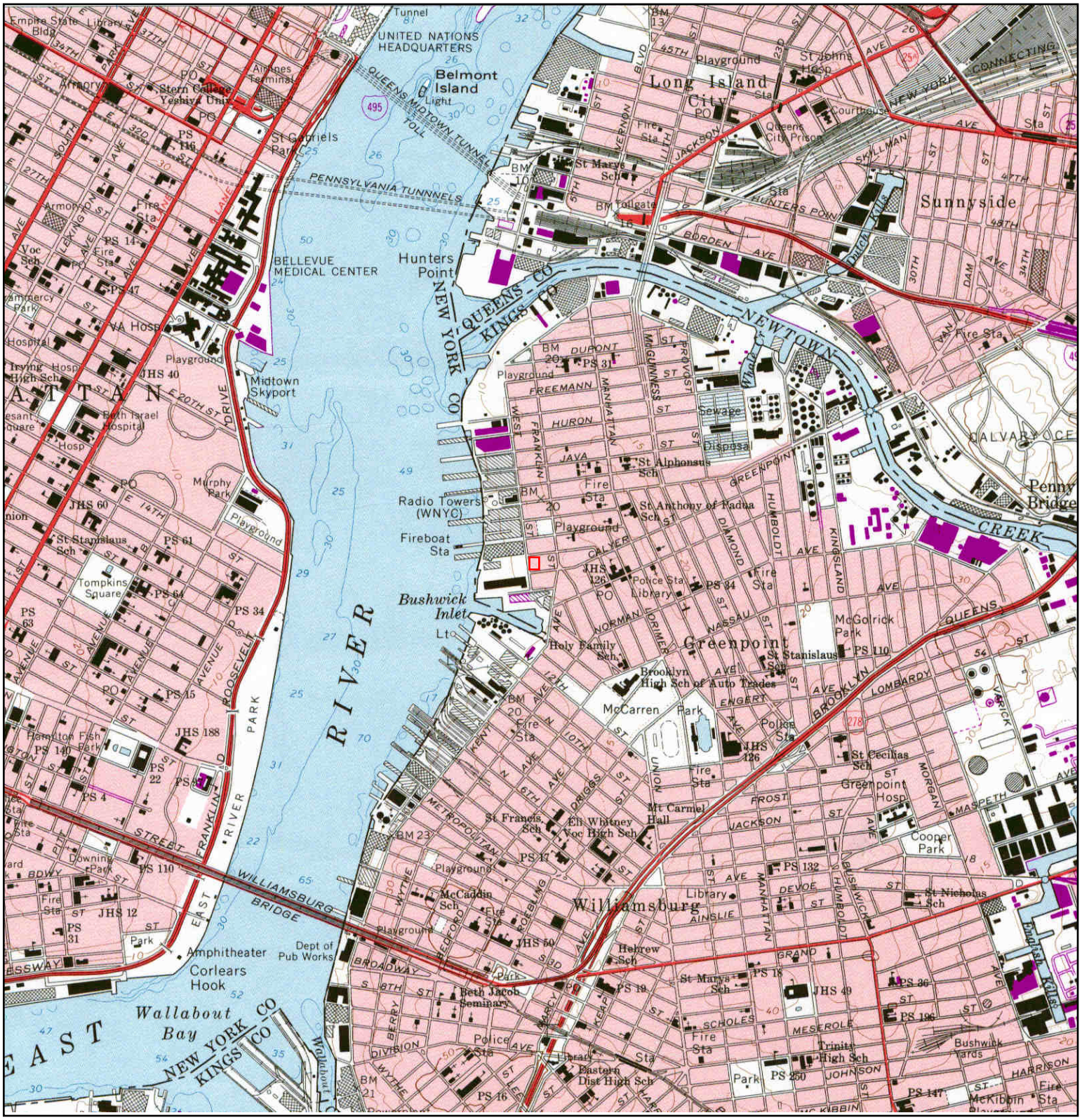
N	TARGET QUAD NAME: BROOKLYN MAP YEAR: 1956 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Penguin ADDRESS: 26 West Street Brooklyn, NY 11222 LAT/LONG: 40.7272 / -73.9586	CLIENT: ENVIRON International Corporation CONTACT: William Holm INQUIRY#: 3799022.4 RESEARCH DATE: 12/02/2013

Historical Topographic Map



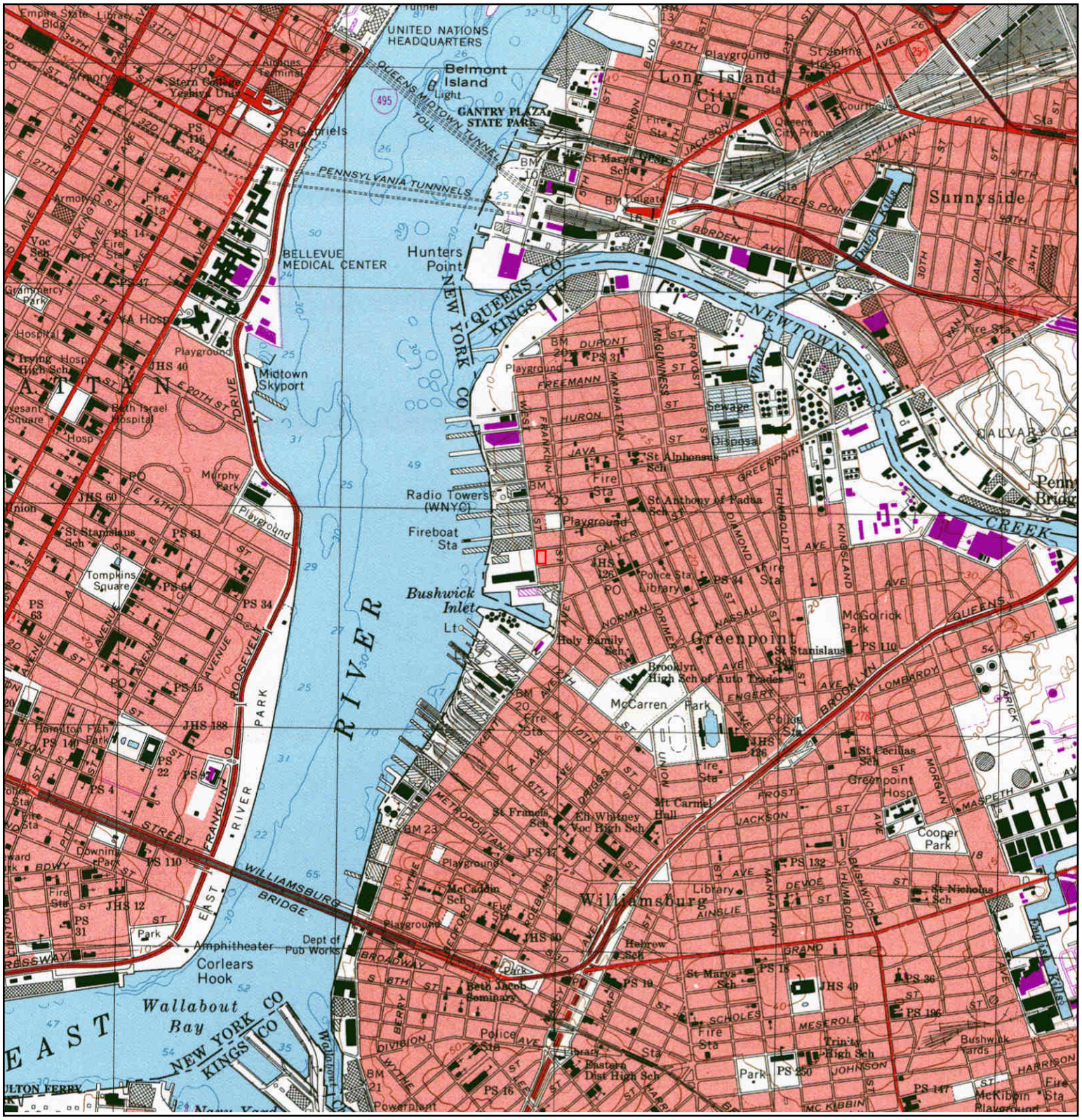
N	TARGET QUAD NAME: BROOKLYN MAP YEAR: 1967 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Penguin ADDRESS: 26 West Street Brooklyn, NY 11222 LAT/LONG: 40.7272 / -73.9586	CLIENT: ENVIRON International Corporation CONTACT: William Holm INQUIRY#: 3799022.4 RESEARCH DATE: 12/02/2013

Historical Topographic Map



N	TARGET QUAD NAME: BROOKLYN MAP YEAR: 1979 PHOTOREVISED FROM :1967 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Penguin ADDRESS: 26 West Street Brooklyn, NY 11222 LAT/LONG: 40.7272 / -73.9586	CLIENT: ENVIRON International Corporation CONTACT: William Holm INQUIRY#: 3799022.4 RESEARCH DATE: 12/02/2013

Historical Topographic Map



N	TARGET QUAD NAME: BROOKLYN MAP YEAR: 1995 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Penguin ADDRESS: 26 West Street Brooklyn, NY 11222 LAT/LONG: 40.7272 / -73.9586	CLIENT: ENVIRON International Corporation CONTACT: William Holm INQUIRY#: 3799022.4 RESEARCH DATE: 12/02/2013

Appendix C.2

Aerial Photographs

Penguin
26 West Street
Brooklyn, NY 11222

Inquiry Number: 3799022.5
December 02, 2013

The EDR Aerial Photo Decade Package

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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Date EDR Searched Historical Sources:

Aerial Photography December 02, 2013

Target Property:

26 West Street

Brooklyn, NY 11222

Year	***Scale***	***Details***	***Source***
1941	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Date: January 01, 1941	EDR
1944	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Date: January 01, 1944	EDR
1954	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Date: February 23, 1954	EDR
1966	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Date: February 23, 1966	EDR
1975	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Date: January 01, 1975	EDR
1978	Aerial Photograph. Scale: 1"=1000'	Panel #: 40073-F8, Brooklyn, NY;/Flight Date: October 01, 1978	EDR
1984	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Date: January 01, 1984	EDR
1994	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Date: January 01, 1994	EDR
1994	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/DOQQ - acquisition dates: April 04, 1994	EDR
2006	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Year: 2006	EDR
2009	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Year: 2009	EDR
2011	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-F8, Brooklyn, NY;/Flight Year: 2011	EDR

INQUIRY #: 3799022.5

YEAR: 1941

= 500'

N

INQUIRY #: 3799022.5

YEAR: 1944

= 500'

N

INQUIRY #: 3799022.5
YEAR: 1954
= 500'
N
EDR Environmental Data Resources Inc

INQUIRY #: 3799022.5
YEAR: 1966
= 500'
N

INQUIRY #: 3799022.5

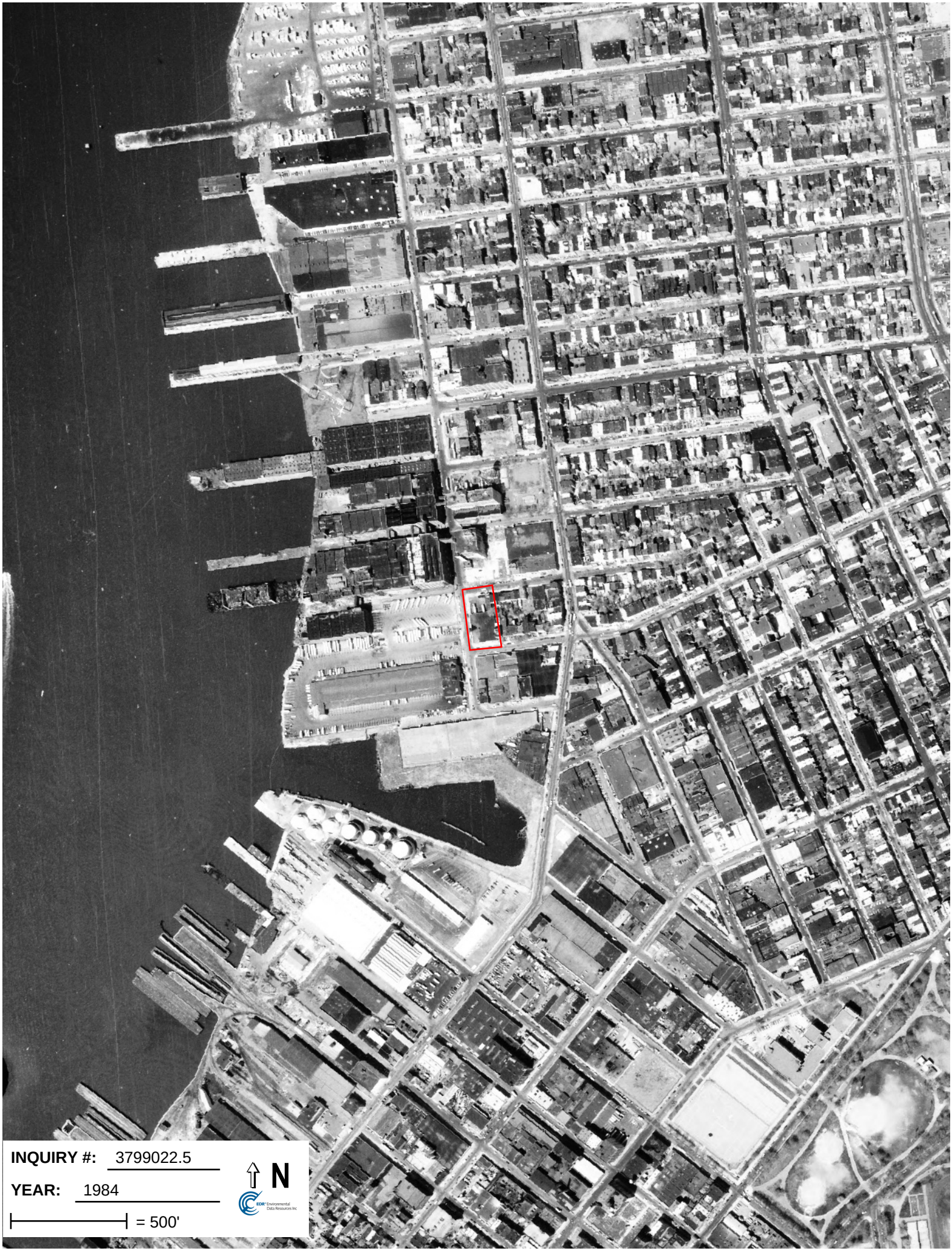
YEAR: 1975

= 500'

N

EDR Environmental Data Resources Inc

INQUIRY #: 3799022.5
YEAR: 1978
= 1000'
N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YEAR: 1984
= 500'
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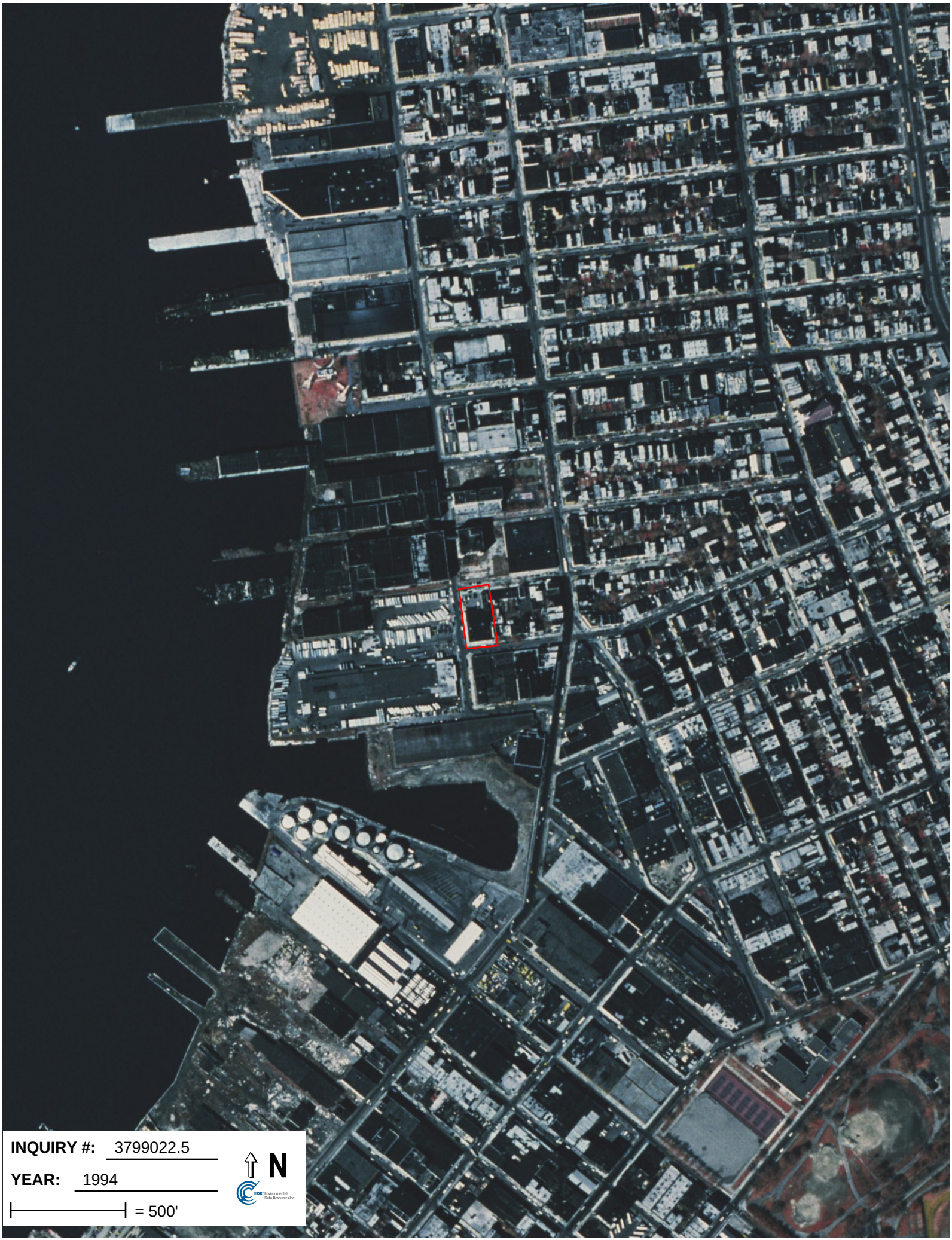
INQUIRY #: 3799022.5
YEAR: 1994
= 500'
N


INQUIRY #: 3799022.5
YEAR: 1994
= 500'
N

INQUIRY #: 3799022.5
YEAR: 2006
= 500'
N

INQUIRY #: 3799022.5
YEAR: 2009
= 500'
N

INQUIRY #: 3799022.5
YEAR: 2011
= 500'
N

Appendix C.3

Abstract of City Directories

Penguin
26 West Street
Brooklyn, NY 11222

Inquiry Number: 3799022.6
December 02, 2013

The EDR-City Directory Abstract

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

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

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EXECUTIVE SUMMARY

DESCRIPTION

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

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

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

RESEARCH SUMMARY

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

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

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

26 West Street
Brooklyn, NY 11222

FINDINGS DETAIL

Target Property research detail.

WEST

26 WEST

Year	Uses	Source
1985	HAP DONG EXPRESS INC	NYNEX Information Resources Company
1980	AUTO PARTS BY U-O-T	New York Telephone
1976	BARRA VINCENT B	New York Telephone
	MAURO JOHN B	New York Telephone
1960	DOUGLAS GEO LUMBR	New York Telephone
	DOUGLASS GEO LUMBR	New York Telephone
	Douglas Geo lumbr	New York Telephone Company
	DOUGLASS GEO lumbr	New York Telephone Company
1949	Douglas Geo lumbr	New York Telephone
1945	Douglas Geo lumbr	New York Telephone
	Douglass Geo lumbr	New York Telephone
1940	Douglas Geo lumbr	New York Telephone
	Douglass Geo lumbr	New York Telephone
1934	DOUGLASS GEO LUMBER	R. L. Polk & Co.

26L WEST

Year	Uses	Source
1976	PRENCIPE FRANK	New York Telephone

WEST ST

26 WEST ST

Year	Uses	Source
2008	BROADWAY MAINTENANCE CORP	Cole Information Services
	EMCOR GROUP	Cole Information Services
	PENGUIN AIR CONDITIONING	Cole Information Services
	PENGUIN BROADWAY ELECTRICAL MAINTENA	Cole Information Services

FINDINGS

Year	Uses	Source
2005	Penguin Air Conditioning Corp	Hill-Donnelly Corporation
	Penguin Maintenance & Svc	Hill-Donnelly Corporation
1997	Penguin Air Conditioning Corp	NYNEX

WEST st

26 WEST st

Year	Uses	Source
1973	Terminal Enterprises	New York Telephone

WEST St

26 WEST St

Year	Uses	Source
1965	Douglass Lumbr Corp	New York Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

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

CALYER

13 1/2 CALYER

Year	Uses	Source
1976	SHERVANICK ELMER A	New York Telephone

CALYER ST

16 CALYER ST

Year	Uses	Source
1940	White Jos I	New York Telephone

19 CALYER ST

Year	Uses	Source
1973	Dziedzic Clemens	New York Telephone

CALYR st

7 CALYR st

Year	Uses	Source
1970	ODonnell Lulu	New York Telephone

COLER st

10 COLER st

Year	Uses	Source
1973	Gentile Antorno	New York Telephone

WEST

17 WEST

Year	Uses	Source
1992	ARUZ FRANK	NYNEX Informantion Resource Co.
	COOPER LESTER	NYNEX Informantion Resource Co.
	COVINGTON HAZEL	NYNEX Informantion Resource Co.
	FAISON LINDA	NYNEX Informantion Resource Co.
	FRANCIS S	NYNEX Informantion Resource Co.

FINDINGS

Year	Uses	Source
1992	GONZALEZ SANDRA	NYNEX Informantion Resource Co.
	GORDON T	NYNEX Informantion Resource Co.
	GUSTAVE MORRIS	NYNEX Informantion Resource Co.
	HAMILTON E	NYNEX Informantion Resource Co.
	KENNEY BLOSSOM	NYNEX Informantion Resource Co.
	MINGO ROBBIN S	NYNEX Informantion Resource Co.
	MOBLEY MINNIE	NYNEX Informantion Resource Co.
	PEREZ EMILIA MRS	NYNEX Informantion Resource Co.
	PIERRE M	NYNEX Informantion Resource Co.
	RAMIREZ J	NYNEX Informantion Resource Co.
	RUIZ E	NYNEX Informantion Resource Co.
	SMALL MARY	NYNEX Informantion Resource Co.
	VERNET P	NYNEX Informantion Resource Co.
	WASHINGTON G	NYNEX Informantion Resource Co.
1985	BELL HELEN	NYNEX Information Resources Company
	BERDECIA M	NYNEX Information Resources Company
	BRADFORD M	NYNEX Information Resources Company
	COOPER LESTER	NYNEX Information Resources Company
	GUNTER D	NYNEX Information Resources Company
	HAMILTON E	NYNEX Information Resources Company
	JENKINS DOROTHY	NYNEX Information Resources Company
	JOHNSON R	NYNEX Information Resources Company
	KENNEY BLOSSOM	NYNEX Information Resources Company
	MOBLEY MINNIE	NYNEX Information Resources Company
	PADILLA V	NYNEX Information Resources Company
	PEREZ EMILIA MRS	NYNEX Information Resources Company
	RAMIREZ J	NYNEX Information Resources Company
	RUIZ ESTHER	NYNEX Information Resources Company
	VERNET PHILOMENE	NYNEX Information Resources Company
	WASHINGTON G	NYNEX Information Resources Company
1980	MENDEZ W	New York Telephone
	PECKER NOTTIE MRS	New York Telephone
	SIMPSON SHAWN	New York Telephone
	WASHINGTON JULIAN	New York Telephone
	WILLIAMS B	New York Telephone
	WRIGHT MAGGALEE	New York Telephone
1976	ADAMS W	New York Telephone
	BAKER SALLY	New York Telephone

FINDINGS

Year	Uses	Source
1976	BRONZ PAUL	New York Telephone
	CIPPARULO DOMENICK M	New York Telephone
	CRESPO PEDRO	New York Telephone
	DEUTSCH ANNA	New York Telephone
	FIELDS EVELYN MRS	New York Telephone
	GIORGIO LUCILLE	New York Telephone
	GONZALEZ C	New York Telephone
	GREENZWEIG ROSE	New York Telephone
	HERNANDEZ ADRIANA	New York Telephone
	KUGLER S	New York Telephone
	LEVINE H	New York Telephone
	MANETTA JOHN	New York Telephone
	MATACHIERA MAE MRS	New York Telephone
	MEONES M	New York Telephone
	PECKER NETTIE MRS	New York Telephone
	PELL R	New York Telephone
	ROSENBERG CHAS	New York Telephone
	RUEBIN JACQUELINE	New York Telephone
	SALIM AHMAD NASIR	New York Telephone
	SANCHEZ SAMUEL	New York Telephone
	SCHINDLINGER DAVID	New York Telephone
	SIMON G	New York Telephone
	VELES MIGDALIA	New York Telephone
	WASHINGTON JULIAN	New York Telephone
	WOLF M	New York Telephone
1960	ALTIERI FRED	New York Telephone
	ANDRUZZI JOS JR	New York Telephone
	BAFFUTO PHILIP	New York Telephone
	BLOOM SAML	New York Telephone
	BOFFA ANTHONY	New York Telephone
	CALABRO MATTEO	New York Telephone
	CALDEMONE MARY A	New York Telephone
	CARDONA E GEO	New York Telephone
	DIGARBO PETER E	New York Telephone
	FETTNER SAM	New York Telephone
	FORD MICHL	New York Telephone
	FRANCO FRANK	New York Telephone
	GISCHNER MARION MISS	New York Telephone

FINDINGS

Year	Uses	Source
1960	GOLD SAM	New York Telephone
	GOTTLIEB CHAS W	New York Telephone
	HORWITH ROBT G	New York Telephone
	JUNGE JEAN M	New York Telephone
	KORNREICH SARAH MRS	New York Telephone
	KUPERSMITH BERT	New York Telephone
	LAURO ANTHONY T	New York Telephone
	LEVINE SAM	New York Telephone
	LICASTRI SALVATORE	New York Telephone
	LOMBARDO PAT	New York Telephone
	MAGRI FRANK J	New York Telephone
	MANNINO VITO	New York Telephone
	MCKENZIE A MRS	New York Telephone
	MEDRESS JOS	New York Telephone
	MIGLIARA MICHL	New York Telephone
	MISTRETTA VINCEUT G	New York Telephone
	MOED REUBEN	New York Telephone
	MONHEIT IRVING	New York Telephone
	NICOLO JACK	New York Telephone
	ORLAENDO JOS	New York Telephone
	PECE JAS	New York Telephone
	PRICEMAN HENRRY H	New York Telephone
	RAYSOR WATTIE	New York Telephone
	RIGUARDI ANTHONY S	New York Telephone
	RISDELL CHAS	New York Telephone
	ROMOLO DANL	New York Telephone
	ROSENBERG ARNOLD	New York Telephone
	ROSENBERG CHAS	New York Telephone
	ROSENTHAL DORA	New York Telephone
	SANCHEZ MARIE	New York Telephone
	SCIRE PAUL	New York Telephone
	STILLMAN I	New York Telephone
	TENNER GERTRUDE MRS	New York Telephone
	WASHINGTON JULIAN C	New York Telephone
	WEBER ROBT J	New York Telephone

17O WEST

Year	Uses	Source
1934	SEROKA HELEN CLK R	R. L. Polk & Co.

FINDINGS

20 WEST

Year	Uses	Source
1976	ROMA PIZZERIA	New York Telephone

21 WEST

Year	Uses	Source
1960	Skaarup Shipping Corp	New York Telephone Company
	Rountree Wm J Co Inc ship brkrs	New York Telephone Company
	Murray Oil Prods Co	New York Telephone Company
	MITSUI LINE	New York Telephone Company
	Genl Standard & Marine Corp	New York Telephone Company
	Dalzell Towing Co Inc	New York Telephone Company
	COLUMBUS DIXON INC ofc	New York Telephone Company
1949	Pillsbury Mills Inc	New York Telephone
	Murray Oil Prods Co	New York Telephone
	Dunning Geo M Jr chmcals	New York Telephone
	Dalzell Towing Co Inc	New York Telephone
1945	Murray Oil Prods Co	New York Telephone
	Purchasing dept	New York Telephone
	Internatl Freighting Corp Inc Main office	New York Telephone

24 WEST

Year	Uses	Source
1976	QUINTO RICHARD	New York Telephone
	PRITCHARD EUGENE C W SIKLN	New York Telephone
1960	EPSTEIN SIDNEY	New York Telephone

25 WEST

Year	Uses	Source
1980	YOU-DO-IT AUTO ROPR CENTER GREENPOINT	New York Telephone

27 WEST

Year	Uses	Source
1980	TRIPP WILLIAM D	New York Telephone

30 WEST

Year	Uses	Source
1976	DAMBRO THOS	New York Telephone

FINDINGS

WEST DR

26-19 WEST DR

Year	Uses	Source
1928	ACOSTA J A R	New York Telephone

WEST ST

16 WEST ST

Year	Uses	Source
2005	h Lawrence Eva	Hill-Donnelly Corporation

18 WEST ST

Year	Uses	Source
2008	NUSTAR ELEVATOR CONSTRUCTION CO	Cole Information Services
1992	HUA MEI WICKER CRAFTS INC	NYNEX Informantion Resource Co.

21 WEST ST

Year	Uses	Source
1992	CHIMENTO P INC	NYNEX Informantion Resource Co.

WEST st

21 WEST st

Year	Uses	Source
1973	MCROBERTS PROTCTVE AGNCY INC	New York Telephone
	SKAARUP SHIPPING CORP	New York Telephone
	Flagship Cruises Inc	New York Telephone
1970	SKAARUP SHIPPING CORP	New York Telephone
	Buerk Percival G b	New York Telephone

WEST St

21 WEST St

Year	Uses	Source
1965	MC ROBERTS PROTCTVE AGNCY INC	New York Telephone
	SKAARUP SHIPPING CORP	New York Telephone
	Murray Oil Prods Co	New York Telephone

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

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

Address Researched	Address Not Identified in Research Source
26 West Street	2013, 2000, 1992, 1970, 1928

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

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

Address Researched	Address Not Identified in Research Source
10 COLER st	2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
13 1/2 CALYER	2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
16 CALYER ST	2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1934, 1928
16 WEST ST	2013, 2008, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
17 WEST	2013, 2008, 2005, 2000, 1997, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
17O WEST	2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
18 WEST ST	2013, 2008, 2005, 2000, 1997, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
18 WEST ST	2013, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
19 CALYER ST	2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
20 WEST	2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
21 WEST	2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1940, 1934, 1928
21 WEST ST	2013, 2008, 2005, 2000, 1997, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
21 WEST St	2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1960, 1949, 1945, 1940, 1934, 1928
21 WEST st	2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1965, 1960, 1949, 1945, 1940, 1934, 1928
24 WEST	2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
25 WEST	2013, 2008, 2005, 2000, 1997, 1992, 1985, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
26-19 WEST DR	2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934

FINDINGS

Address Researched	Address Not Identified in Research Source
27 WEST	2013, 2008, 2005, 2000, 1997, 1992, 1985, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
30 WEST	2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
7 CALYR st	2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1965, 1960, 1949, 1945, 1940, 1934, 1928

Appendix C.4

Historical Fire Insurance Maps

Penguin
26 West Street
Brooklyn, NY 11222

Inquiry Number: 3799022.3
December 02, 2013

Certified Sanborn® Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

12/02/13

Site Name:
Penguin
26 West Street
Brooklyn, NY 11222

EDR Inquiry # 3799022.3

Client Name:
ENVIRON International
One Riverfront Plaza 7th Flr
Newark, NJ 07102

Contact: William Holm

EDR® Environmental Data Resources Inc

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Certified Sanborn Results:

Site Name: Penguin
Address: 26 West Street
City, State, Zip: Brooklyn, NY 11222
Cross Street:
P.O. # NA
Project: Penguin
Certification # F1F9-4BAA-9386

Sanborn® Library search results
Certification # F1F9-4BAA-9386

Maps Provided:

2007	2001	1988	1980	1928
2006	1996	1987	1979	1922
2005	1995	1986	1978	1916
2004	1993	1983	1965	1905
2003	1991	1982	1951	1887
2002	1989	1981	1942	

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

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

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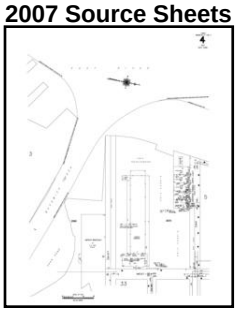
Sanborn Sheet Thumbnails

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

2007 Source Sheets



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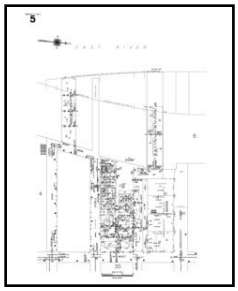
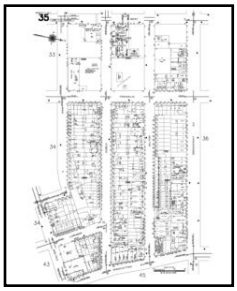


Volume 4, Sheet 5

Volume 4, Sheet 33



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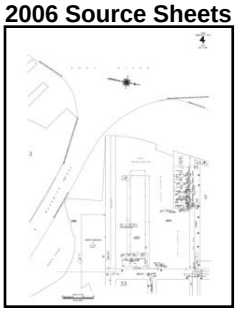
2006 Source Sheets



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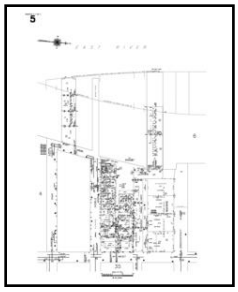

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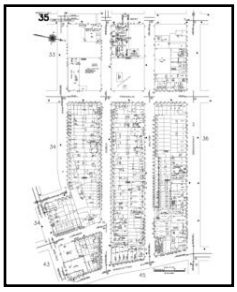

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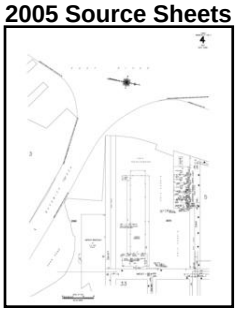

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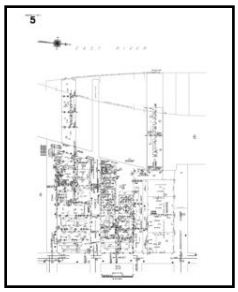

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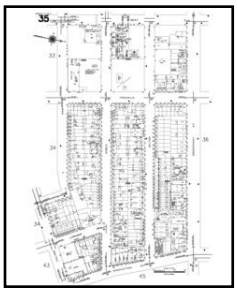

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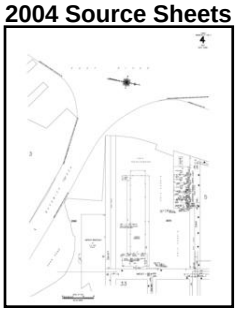

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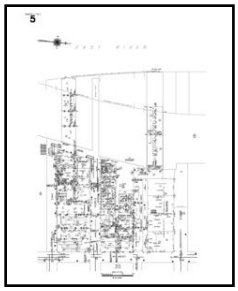

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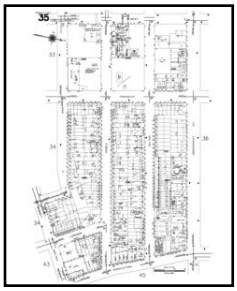

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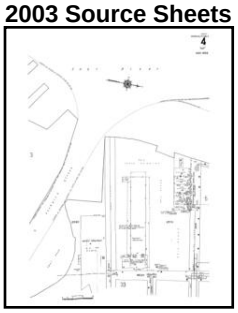
2003 Source Sheets



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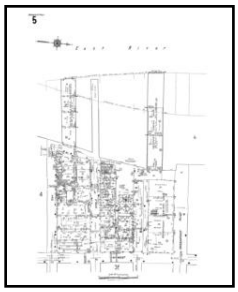

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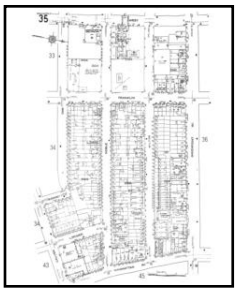

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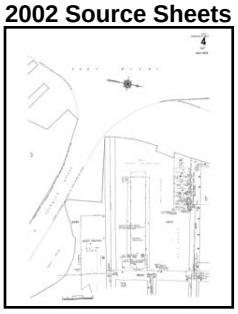

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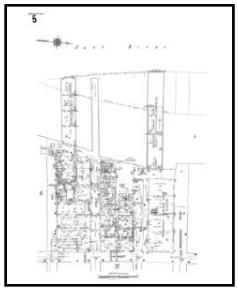

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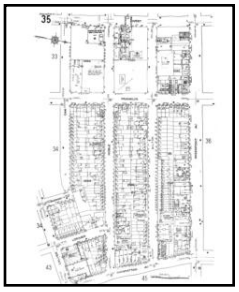

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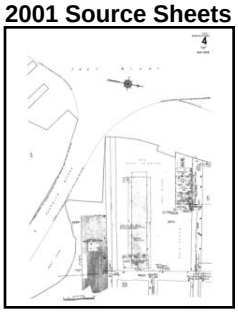

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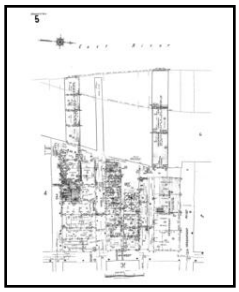

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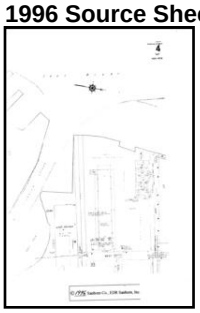

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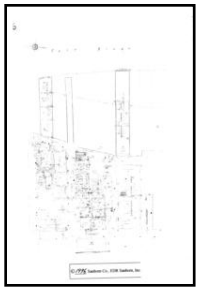

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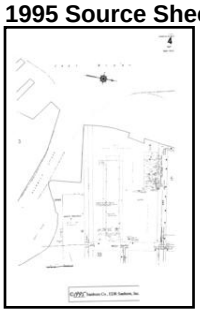

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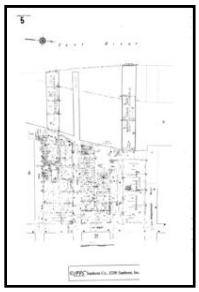

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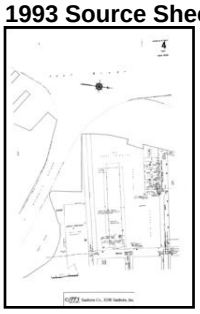

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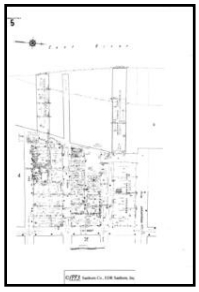

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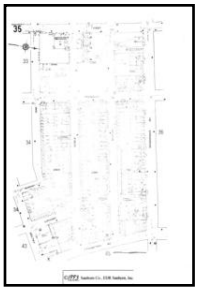

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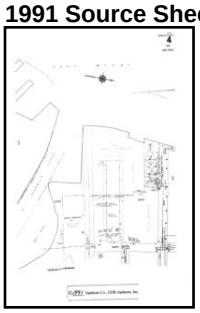

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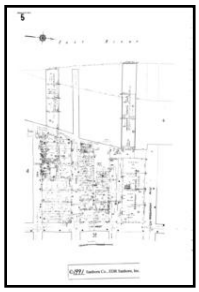

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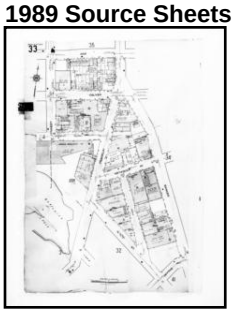

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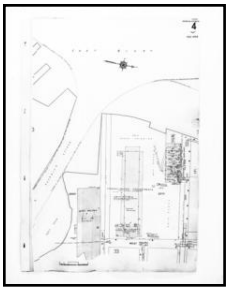

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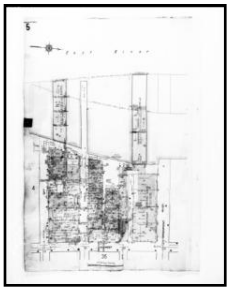

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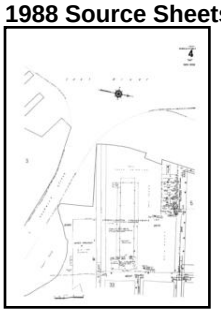

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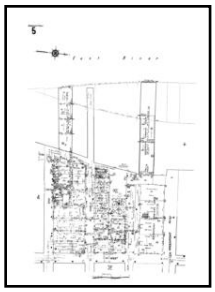

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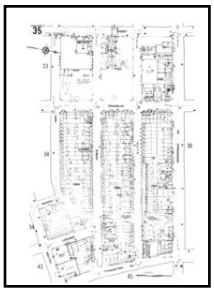

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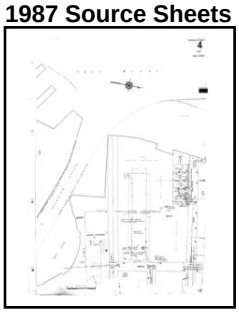

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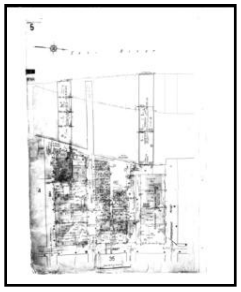

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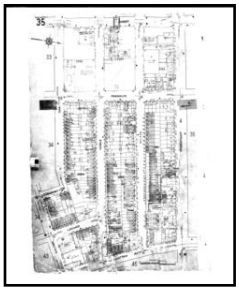

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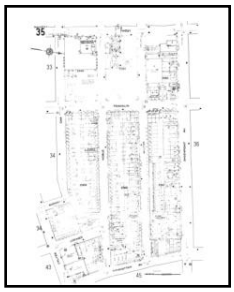

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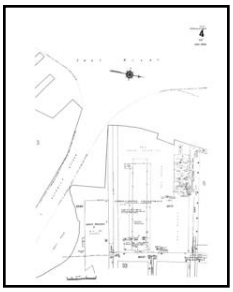

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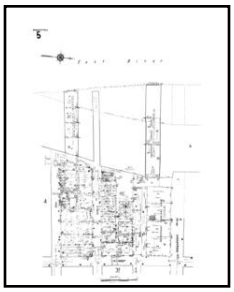

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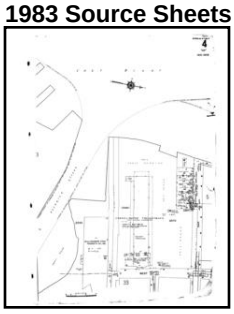

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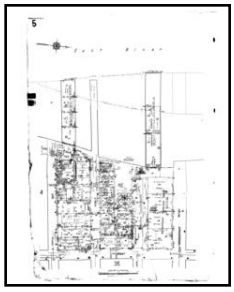

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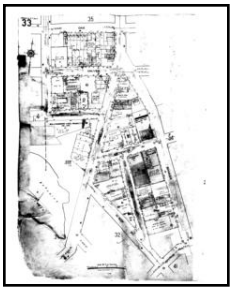

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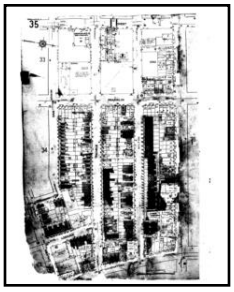

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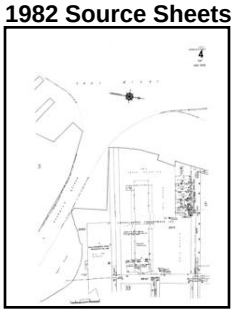

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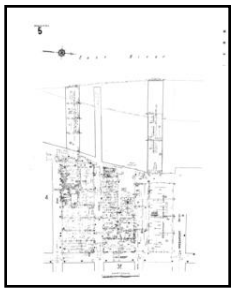

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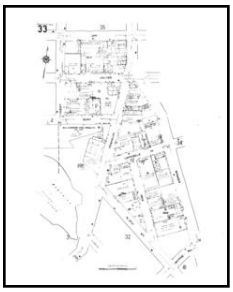

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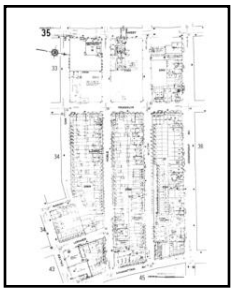

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1981 Source Sheets

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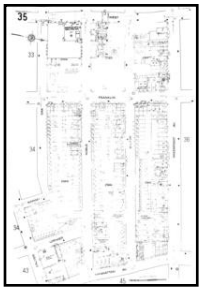

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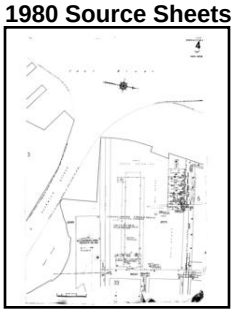

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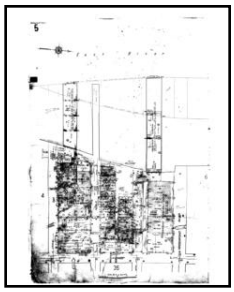

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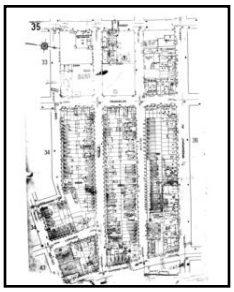

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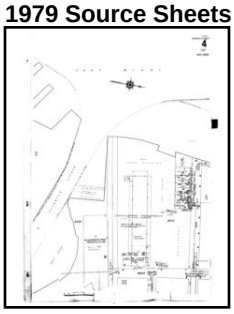

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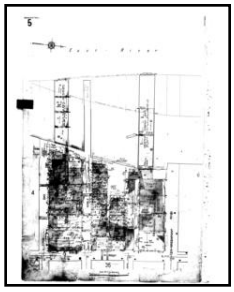

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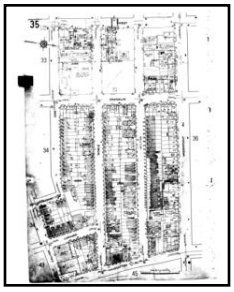

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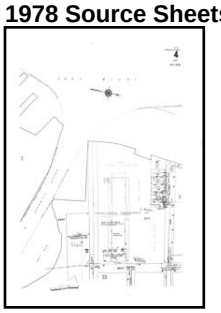

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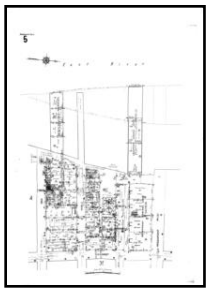

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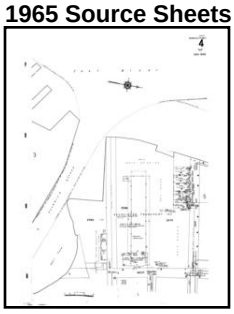

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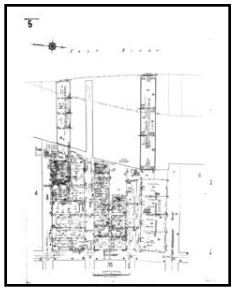

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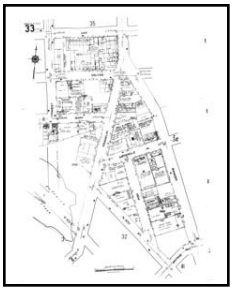

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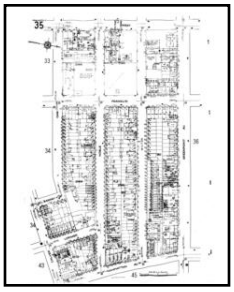

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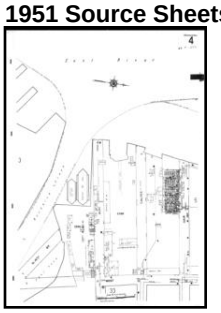

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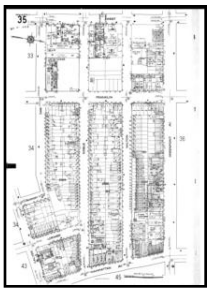

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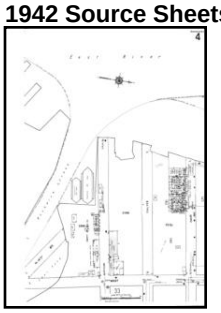

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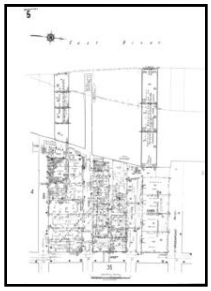

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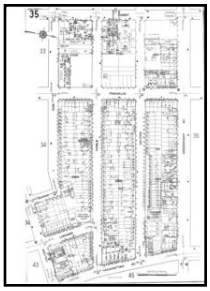

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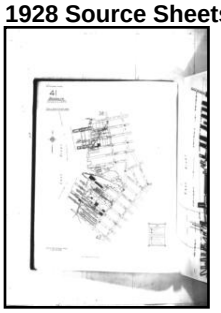

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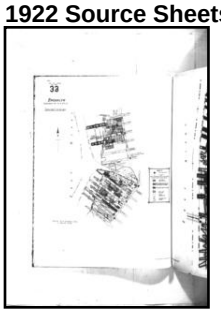

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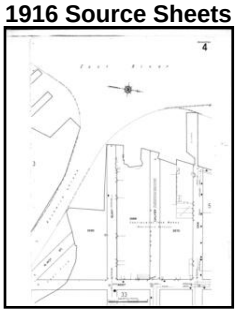

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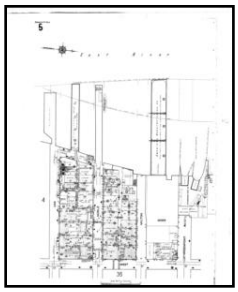

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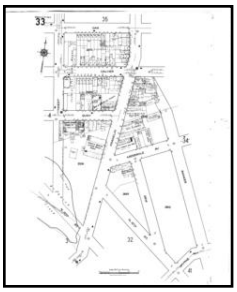

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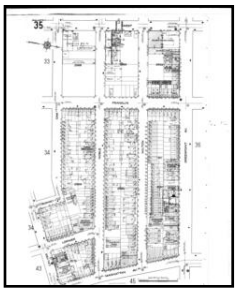

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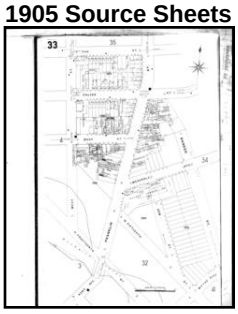
1905 Source Sheets



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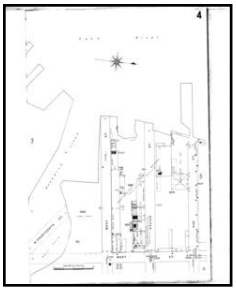

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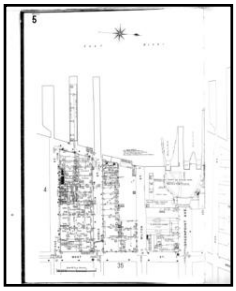

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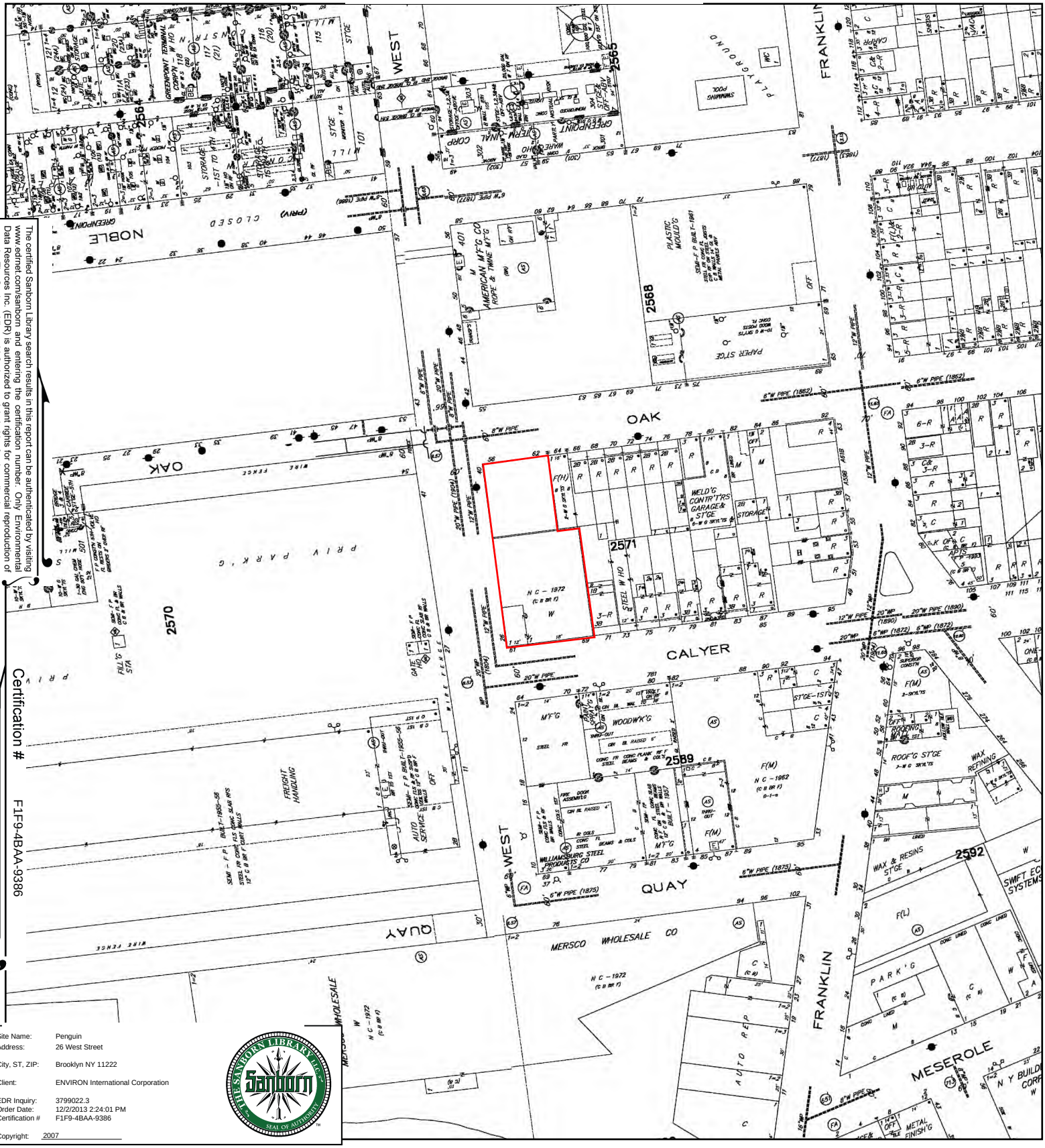

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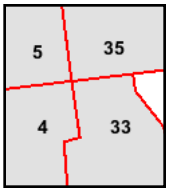

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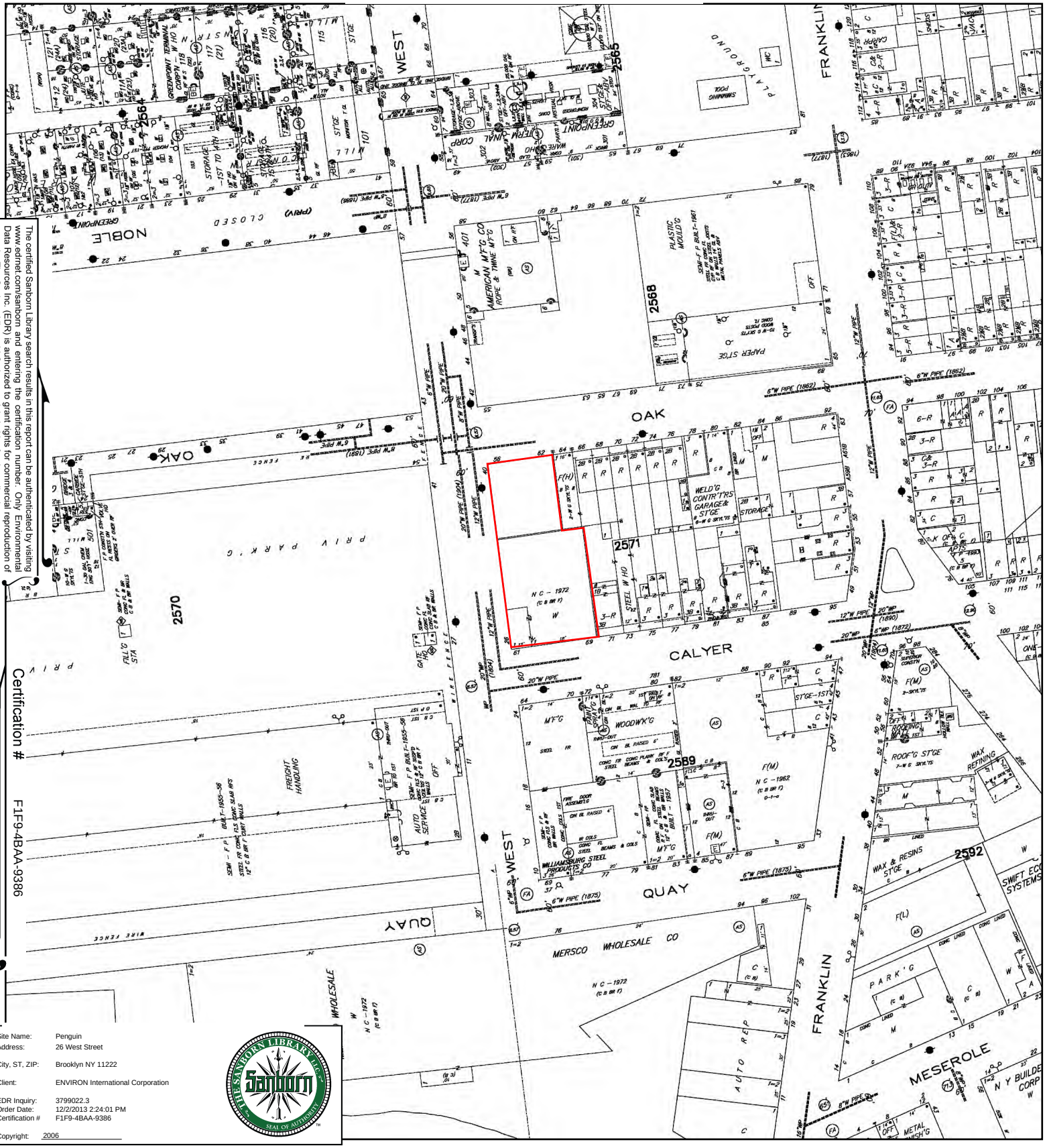

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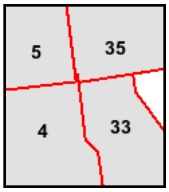

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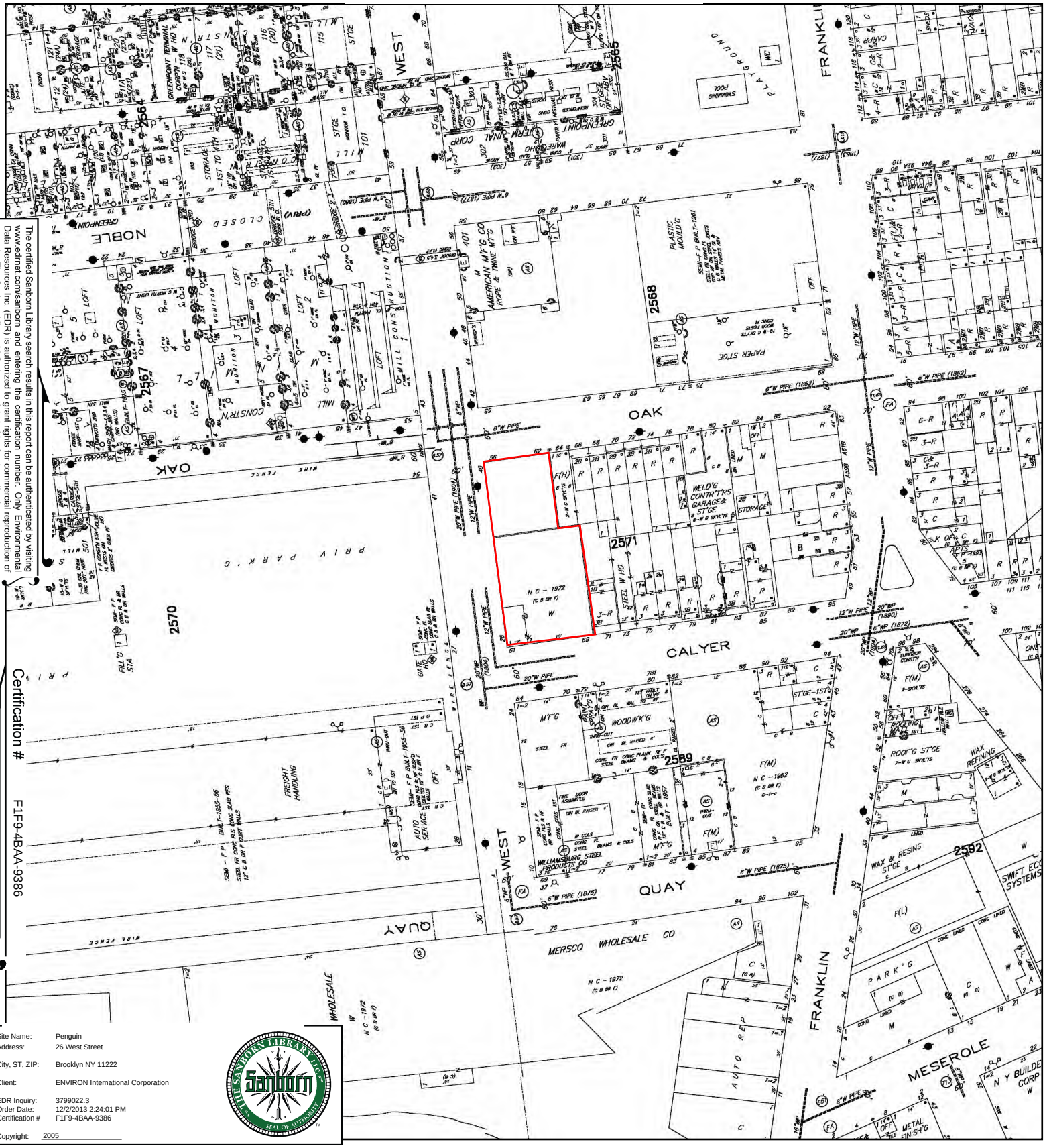

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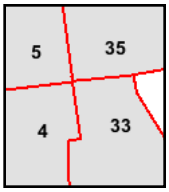

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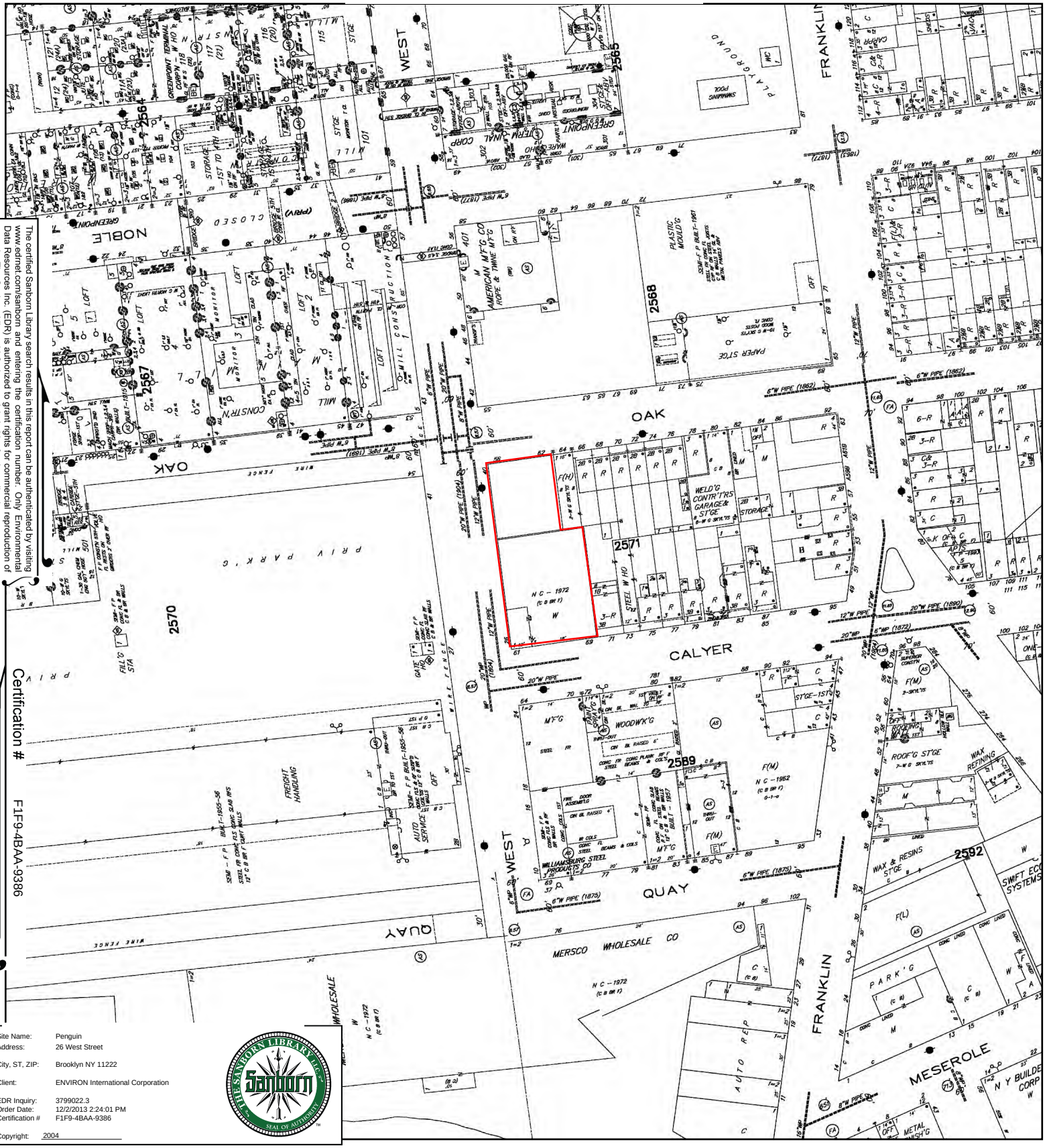

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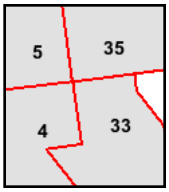

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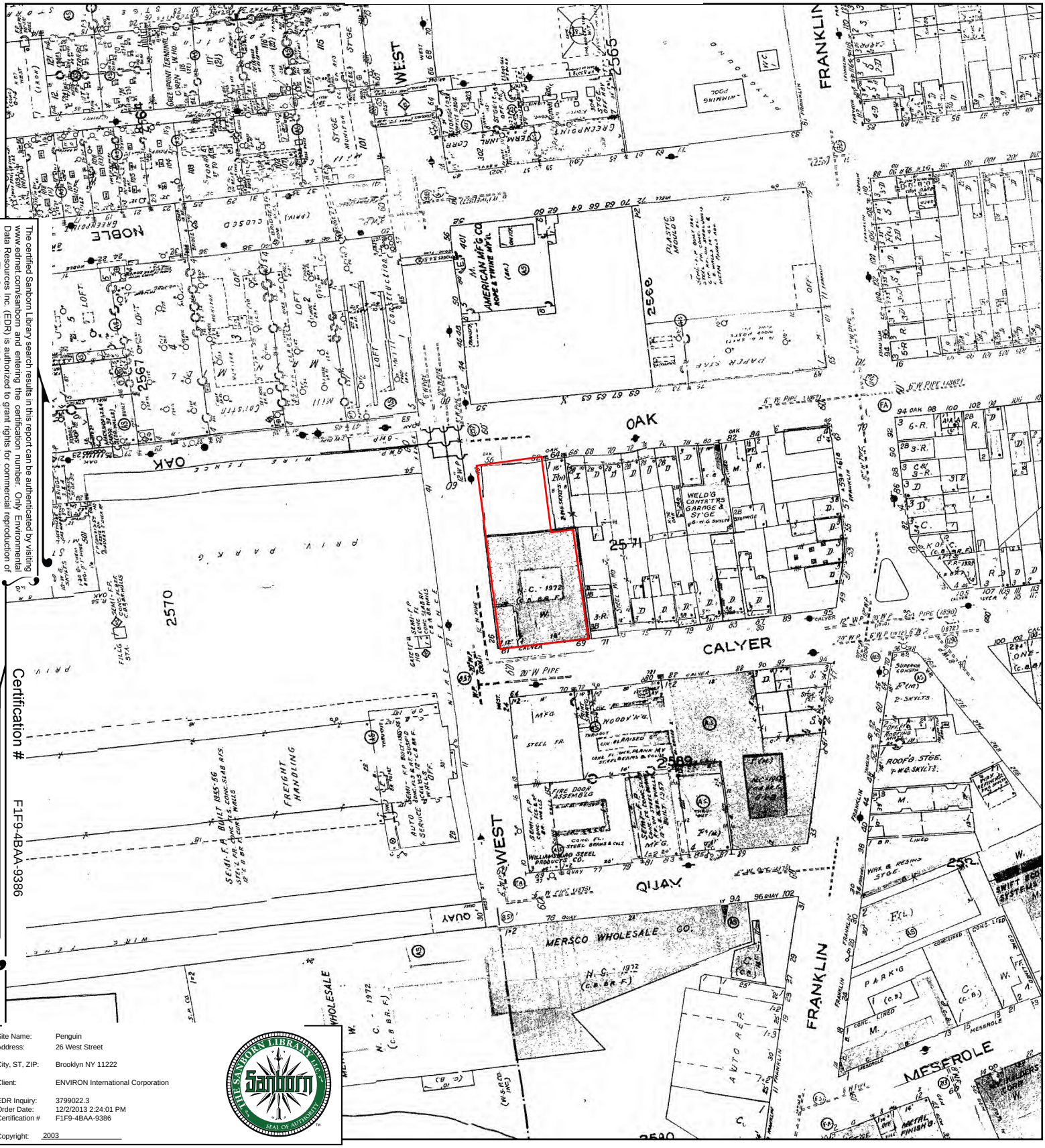

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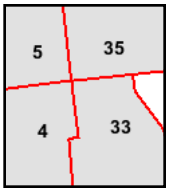

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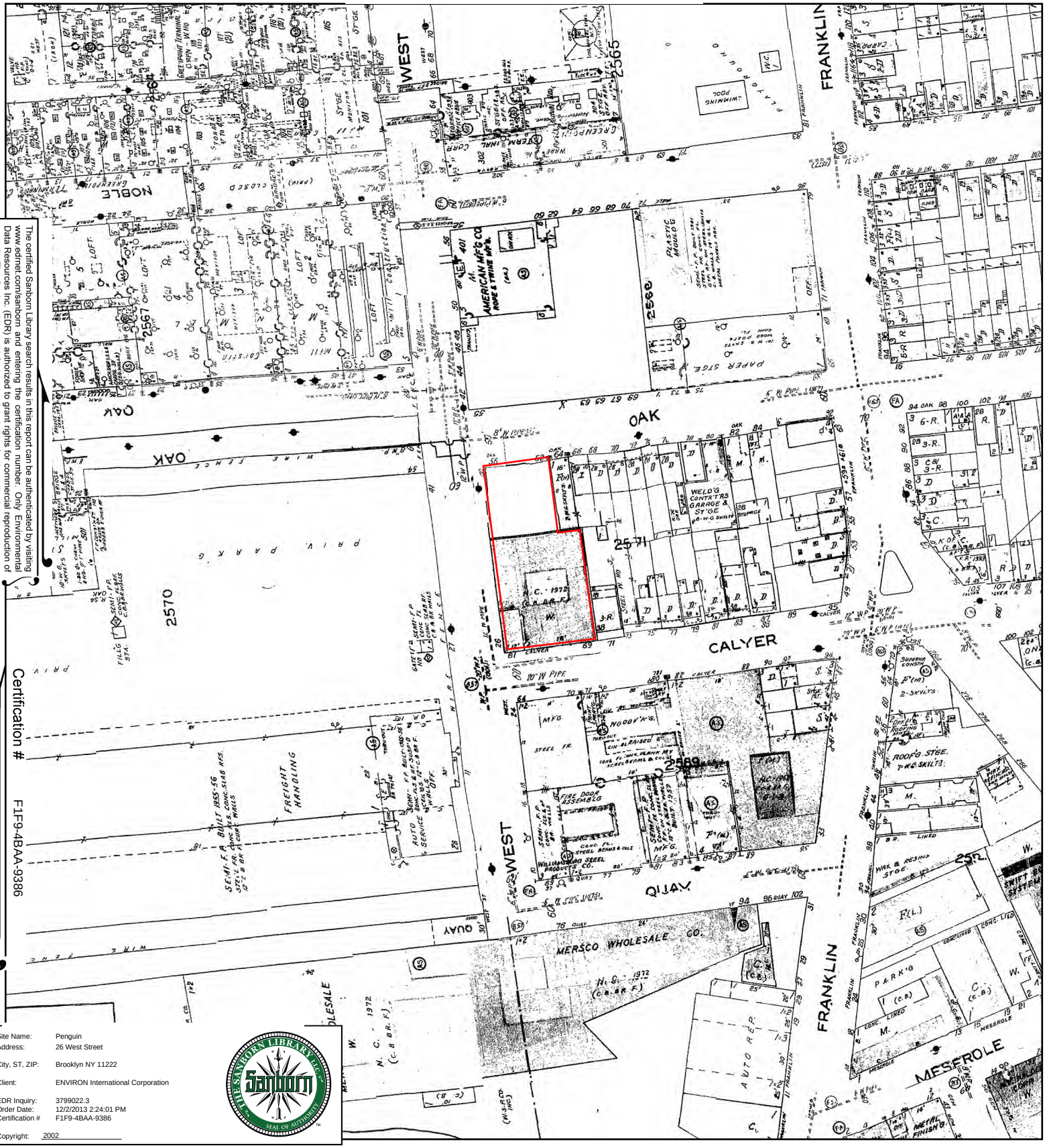

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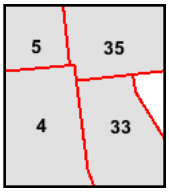

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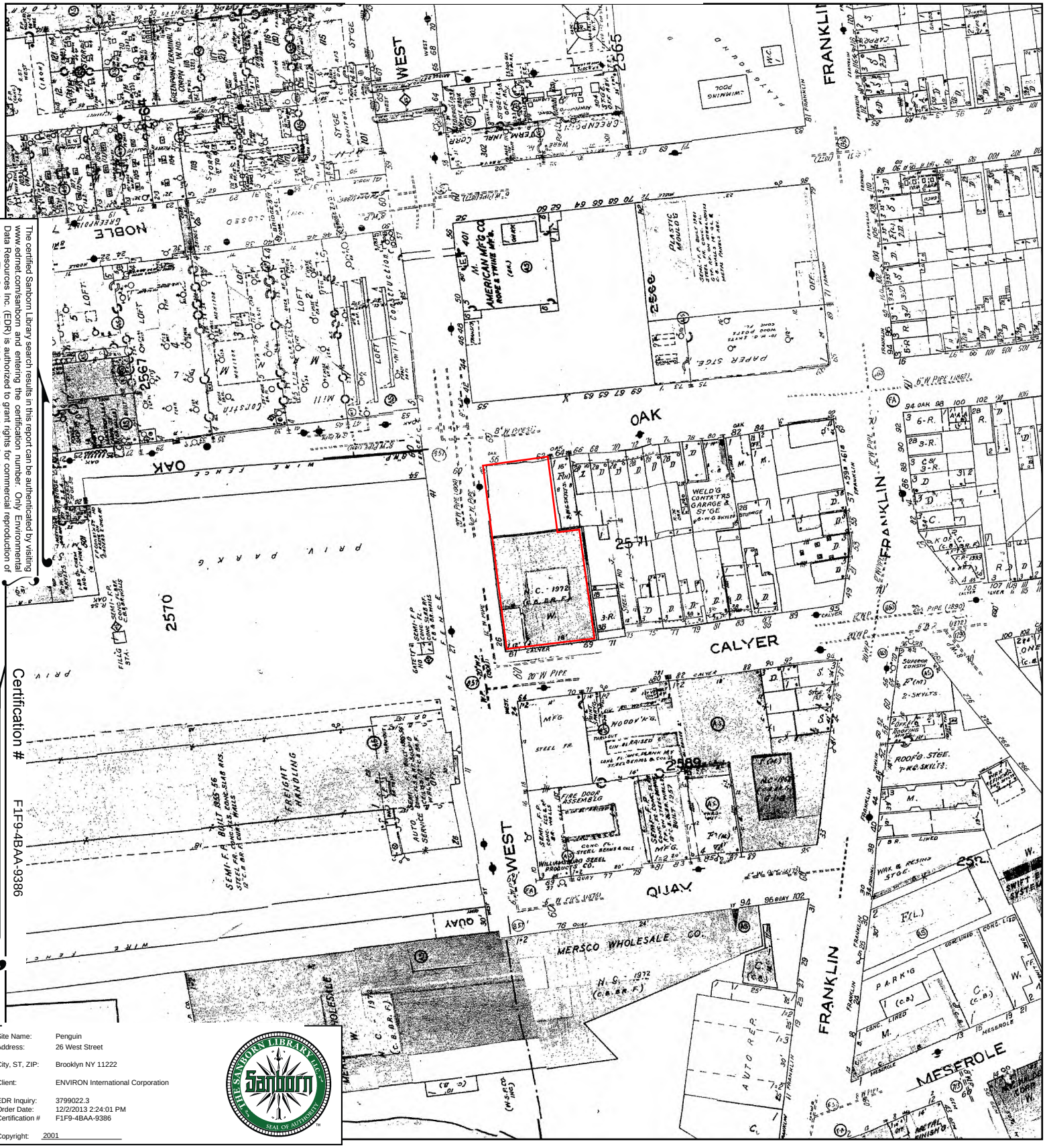

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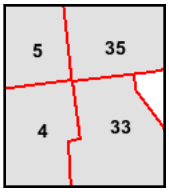

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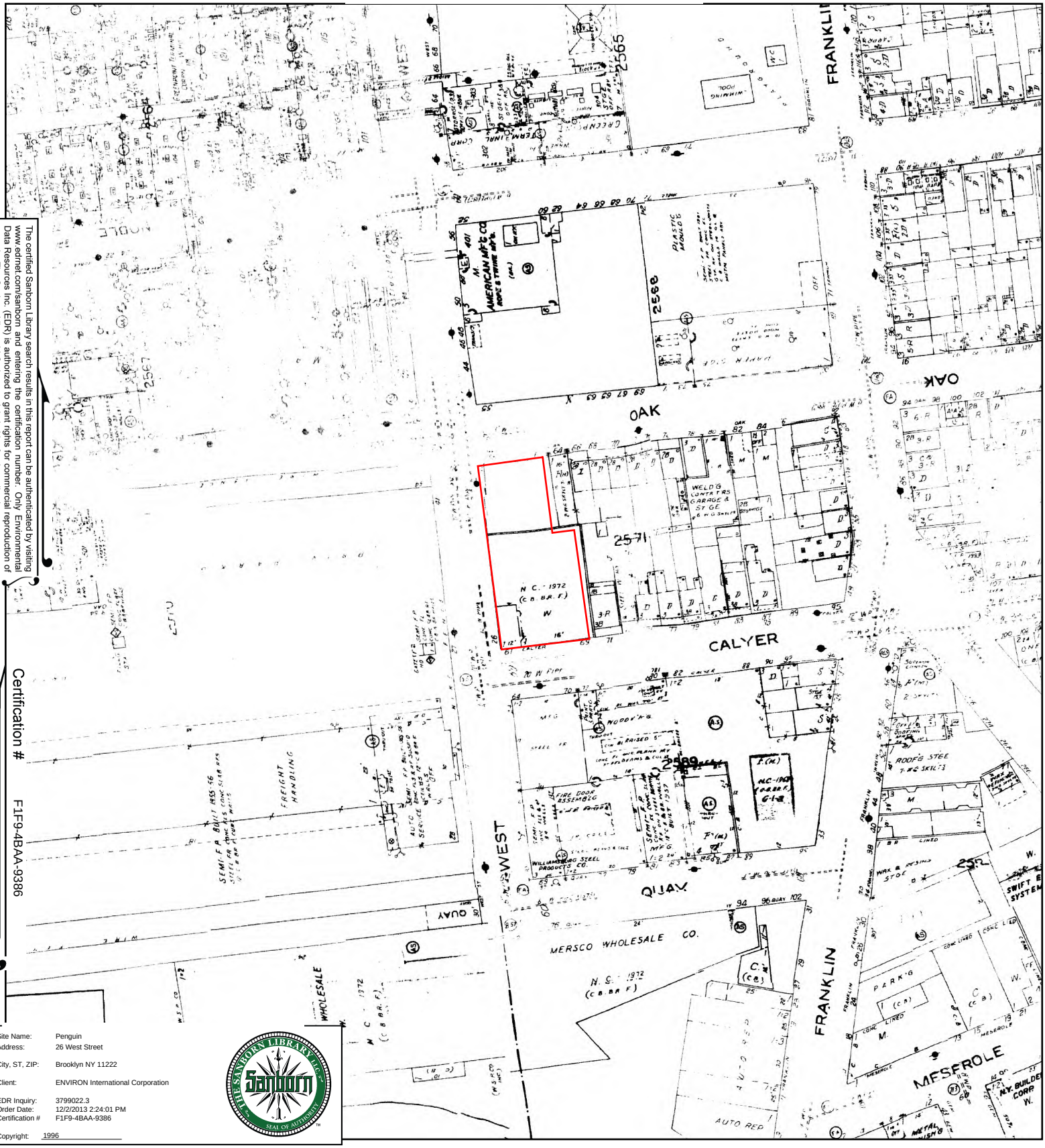

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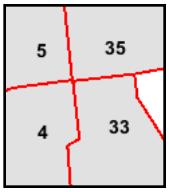

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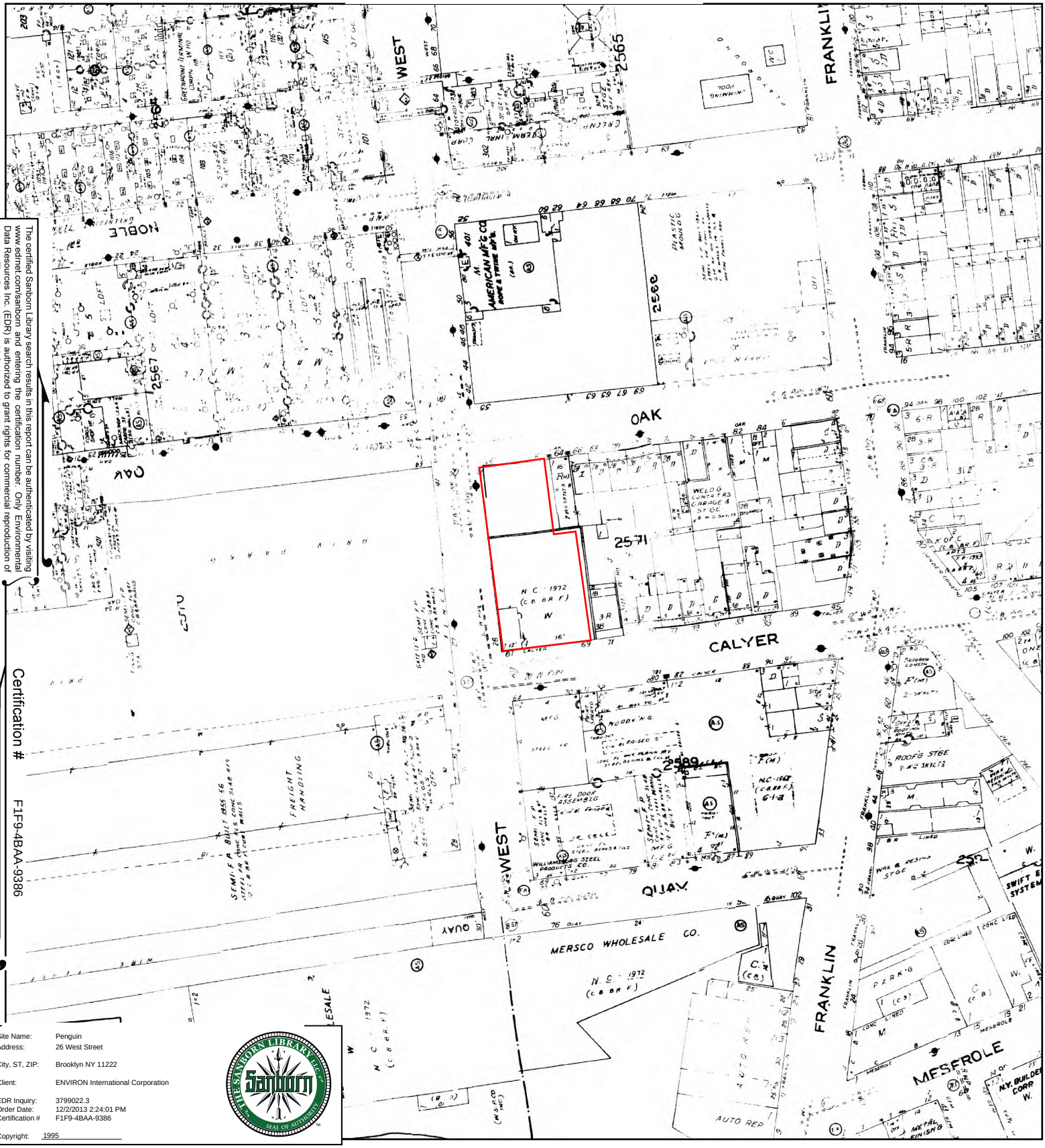

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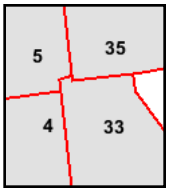

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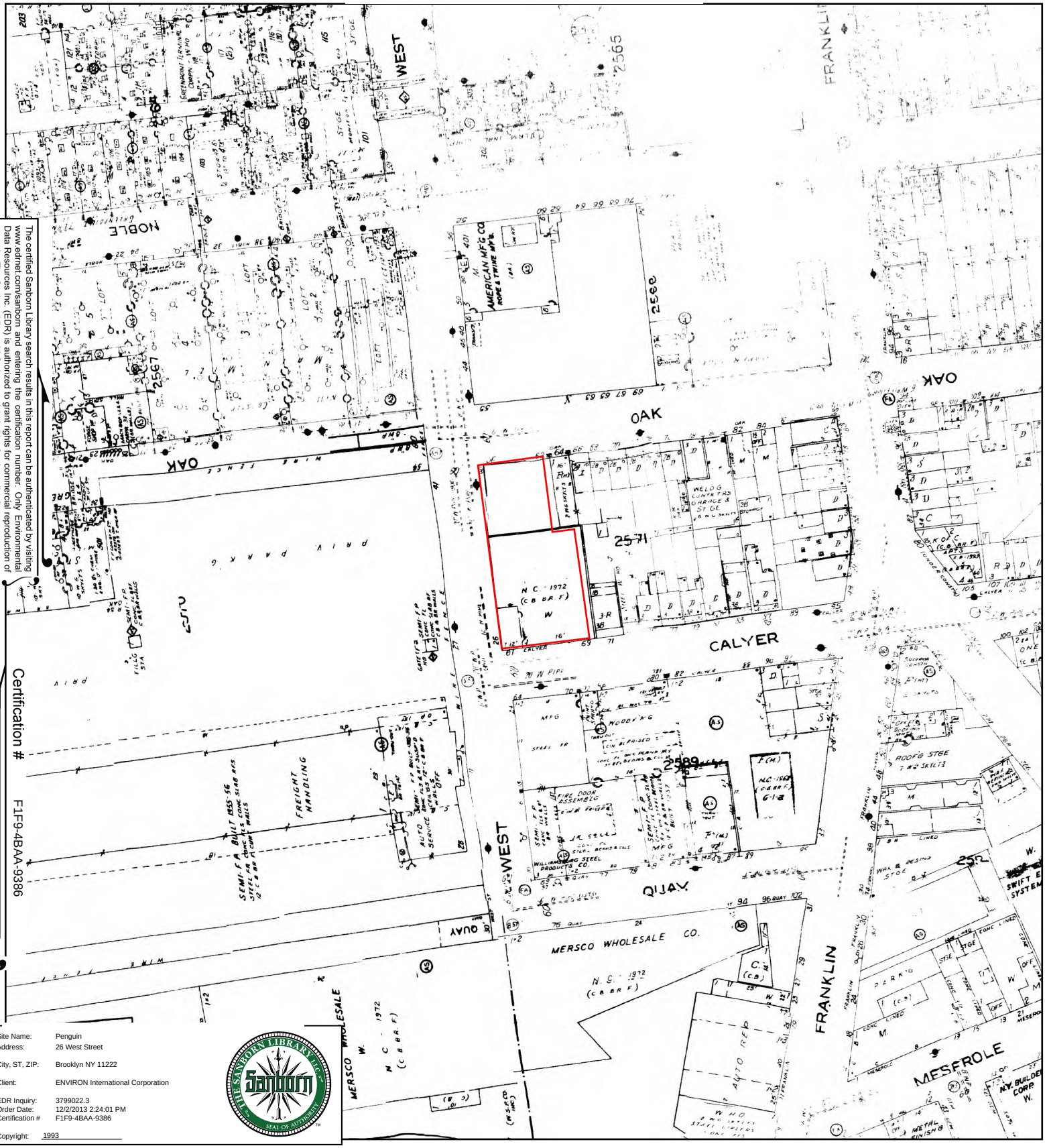

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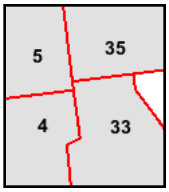

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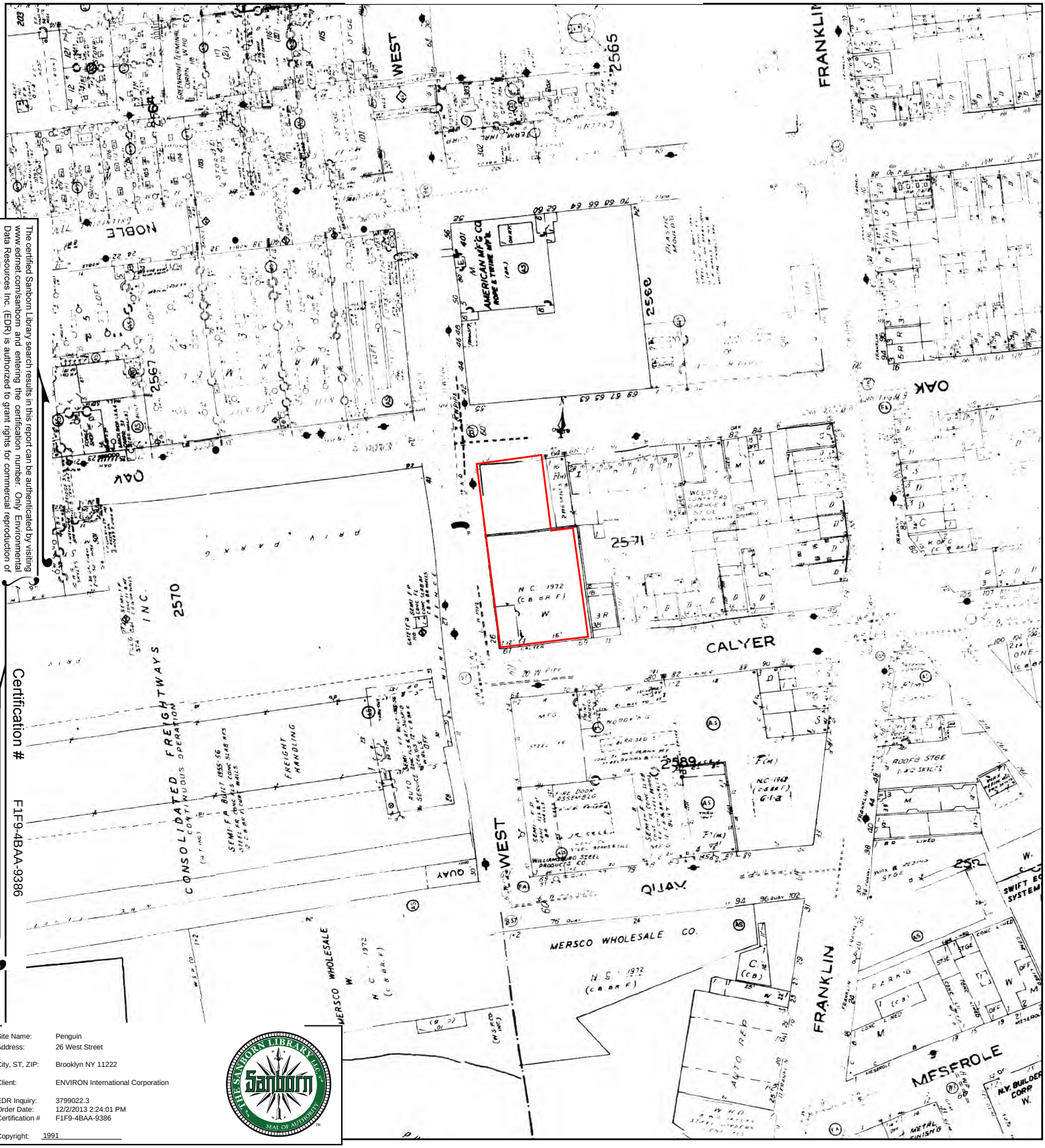

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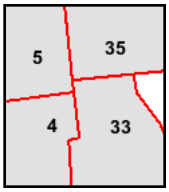

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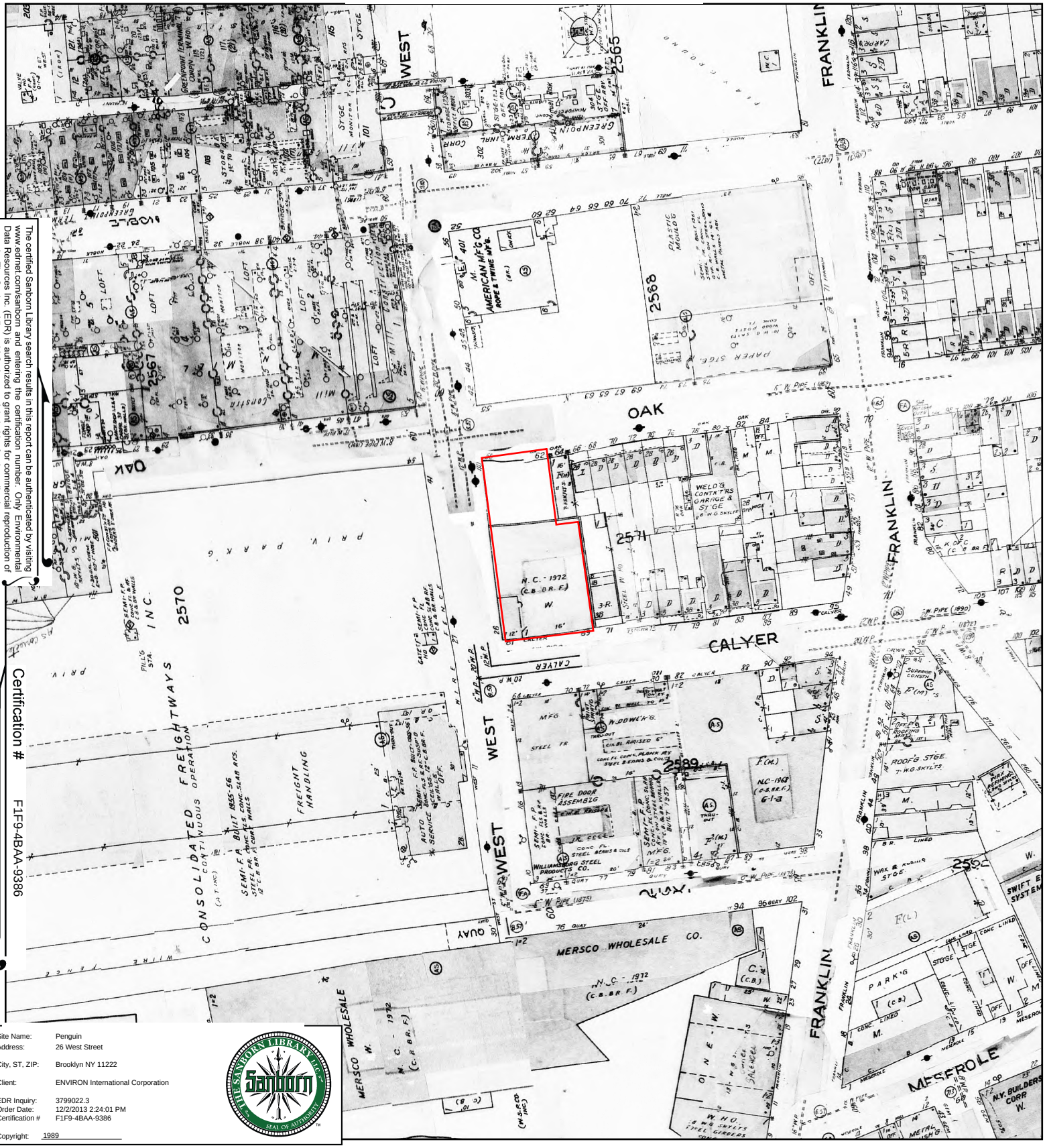

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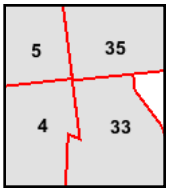

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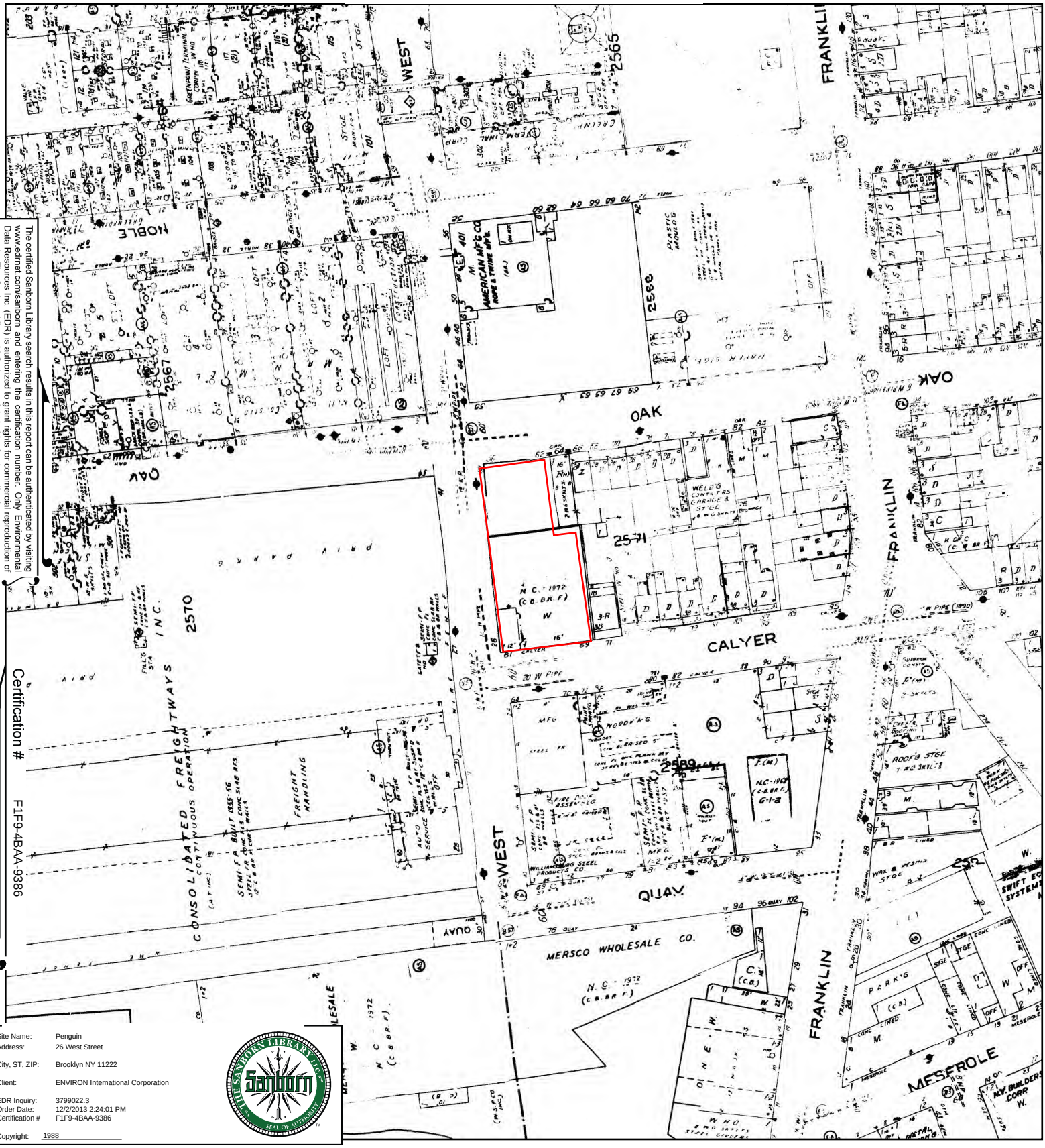

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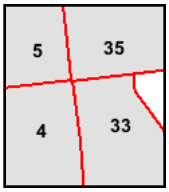

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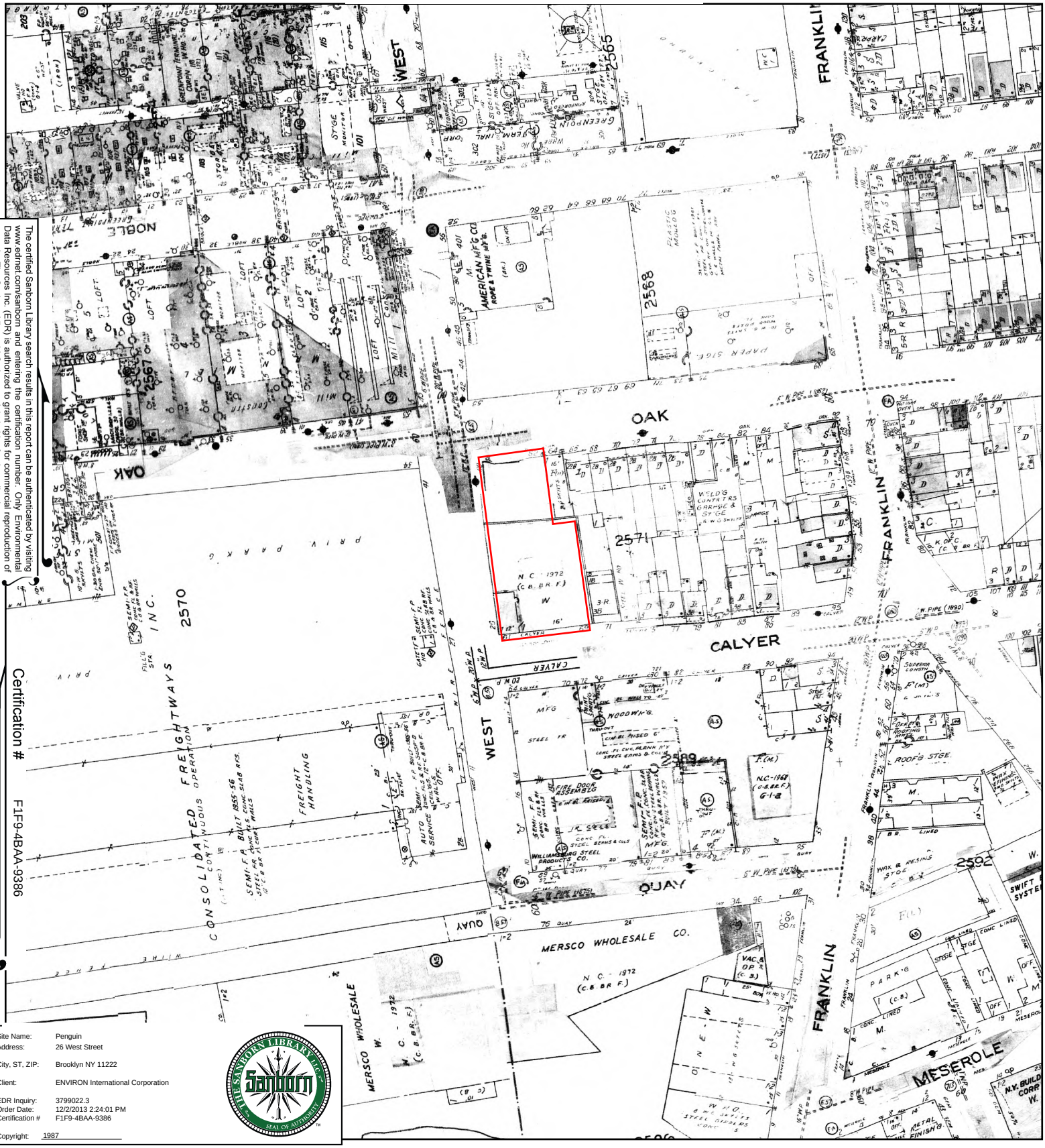

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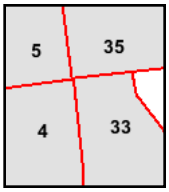

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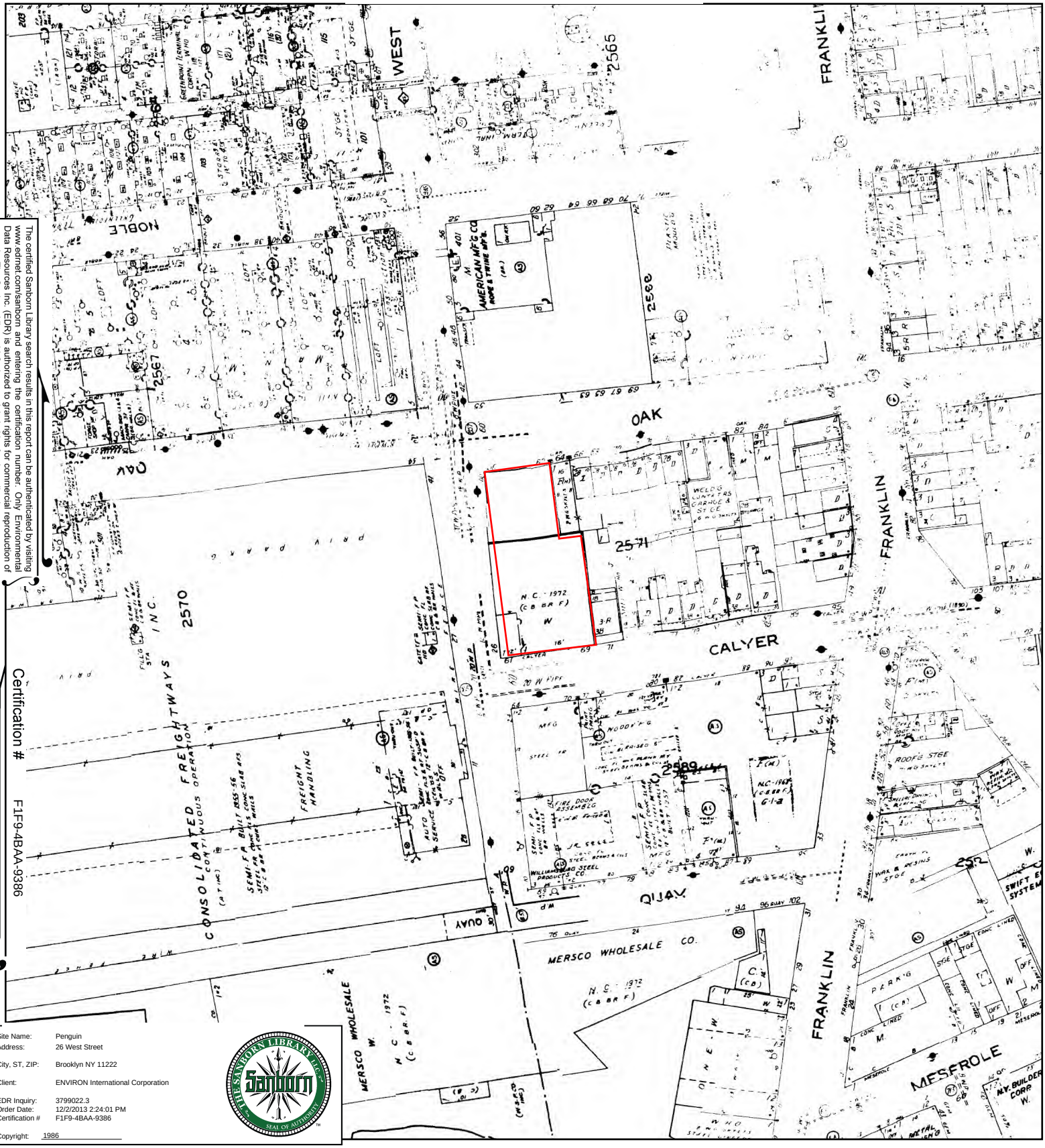
1986 Certified Sanborn Map



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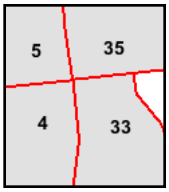

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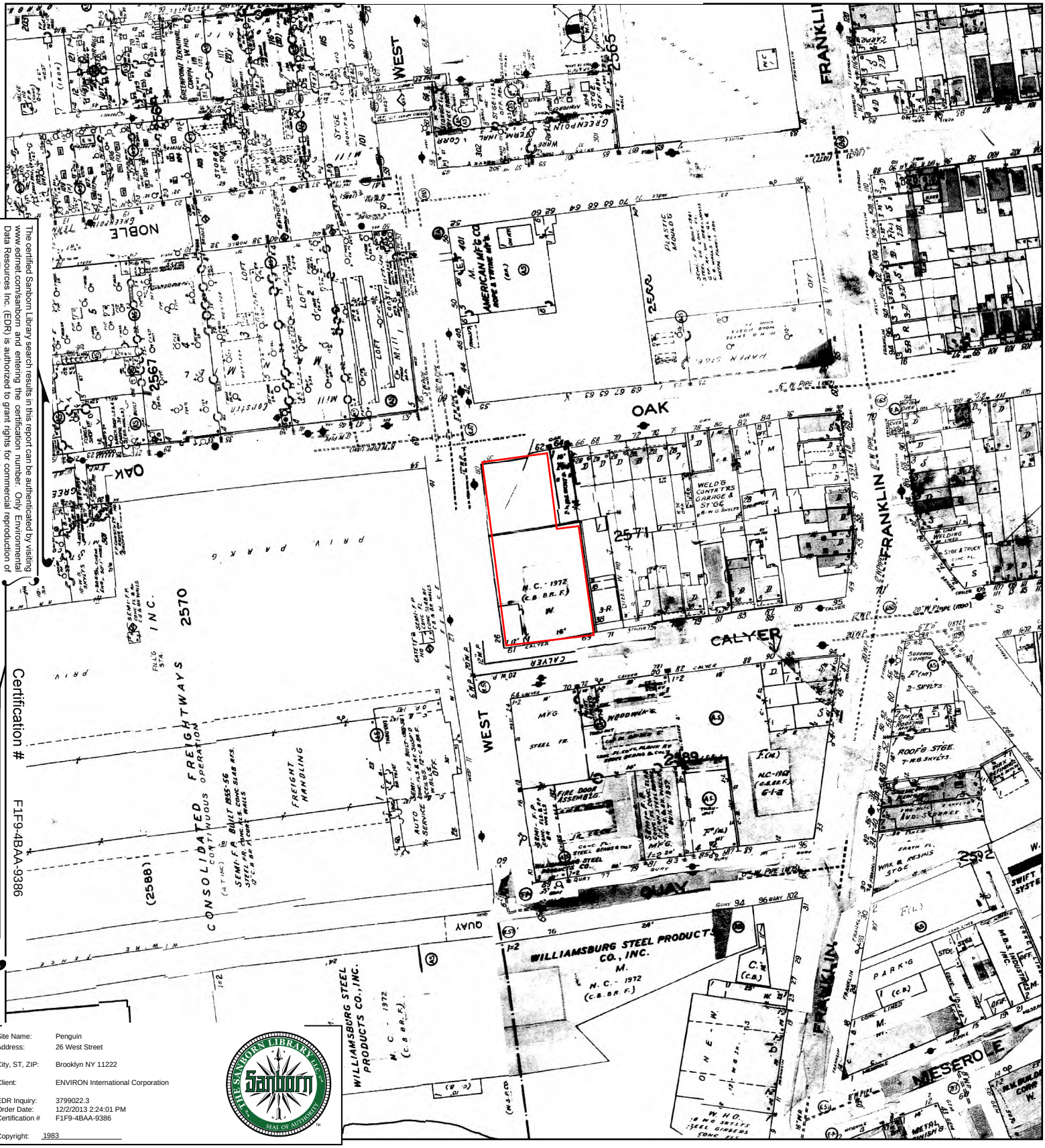

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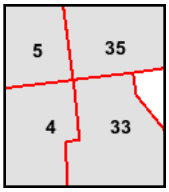

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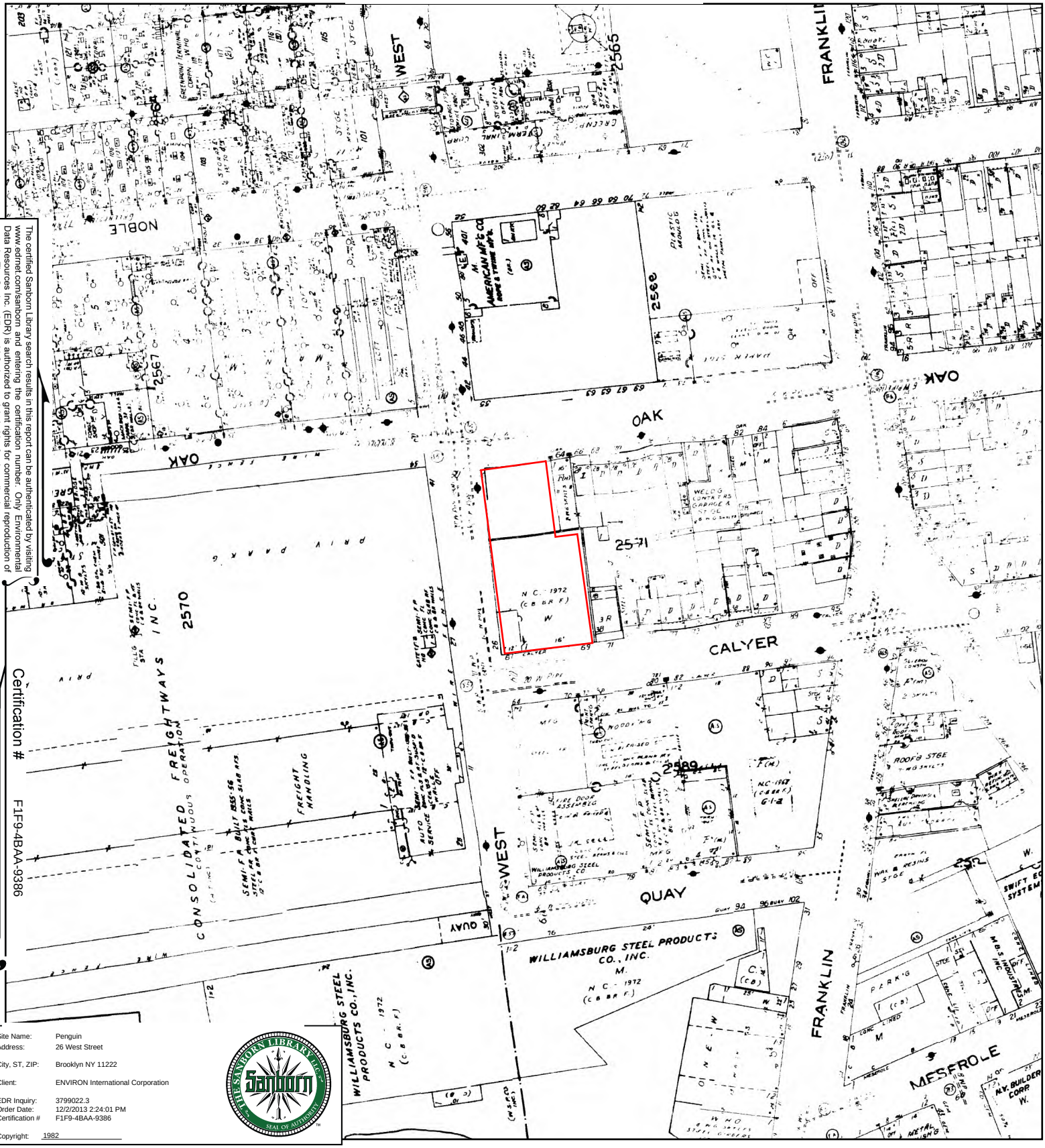

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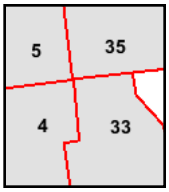

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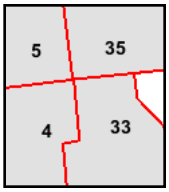

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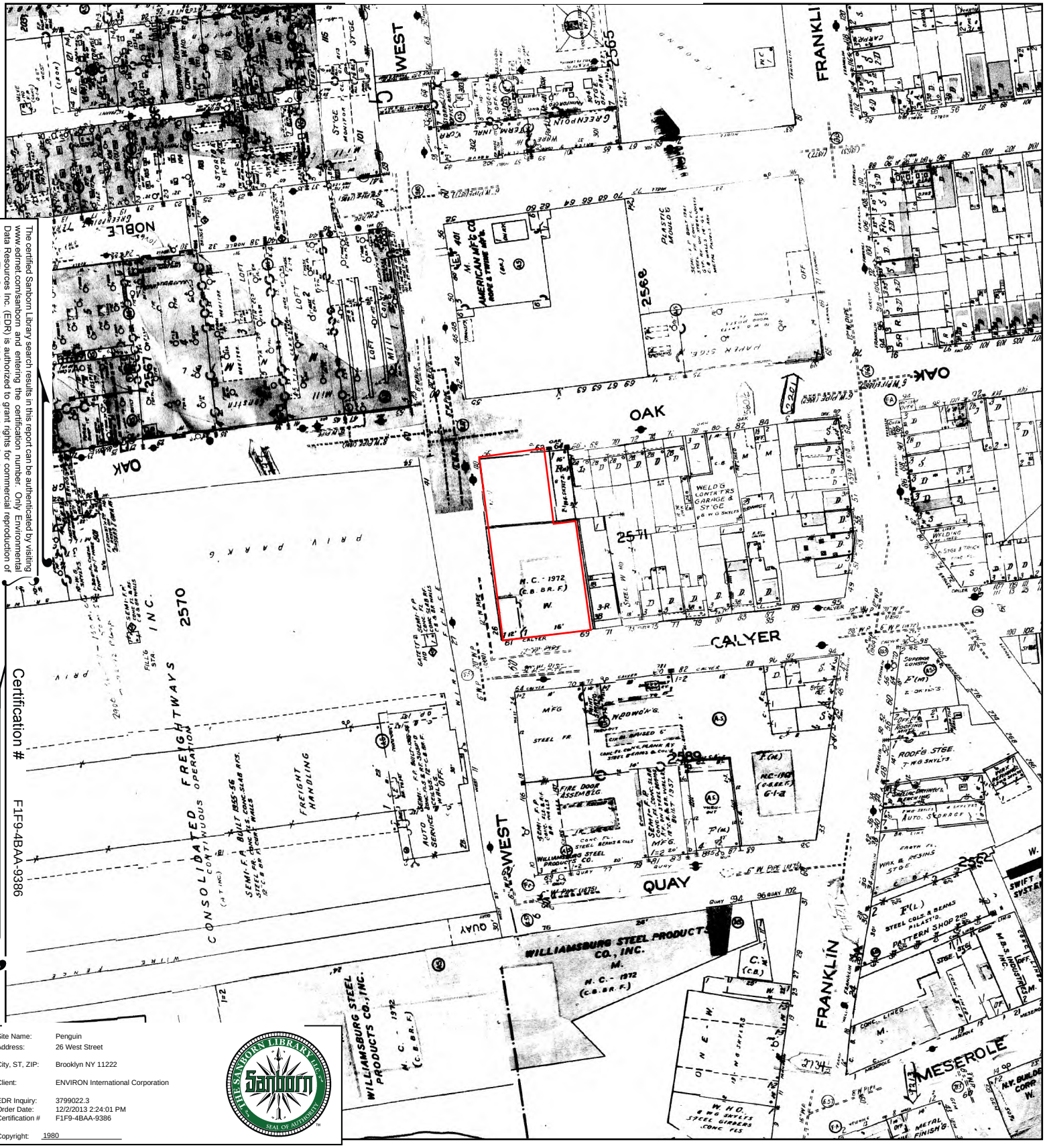

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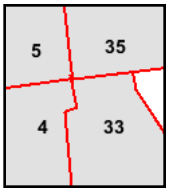

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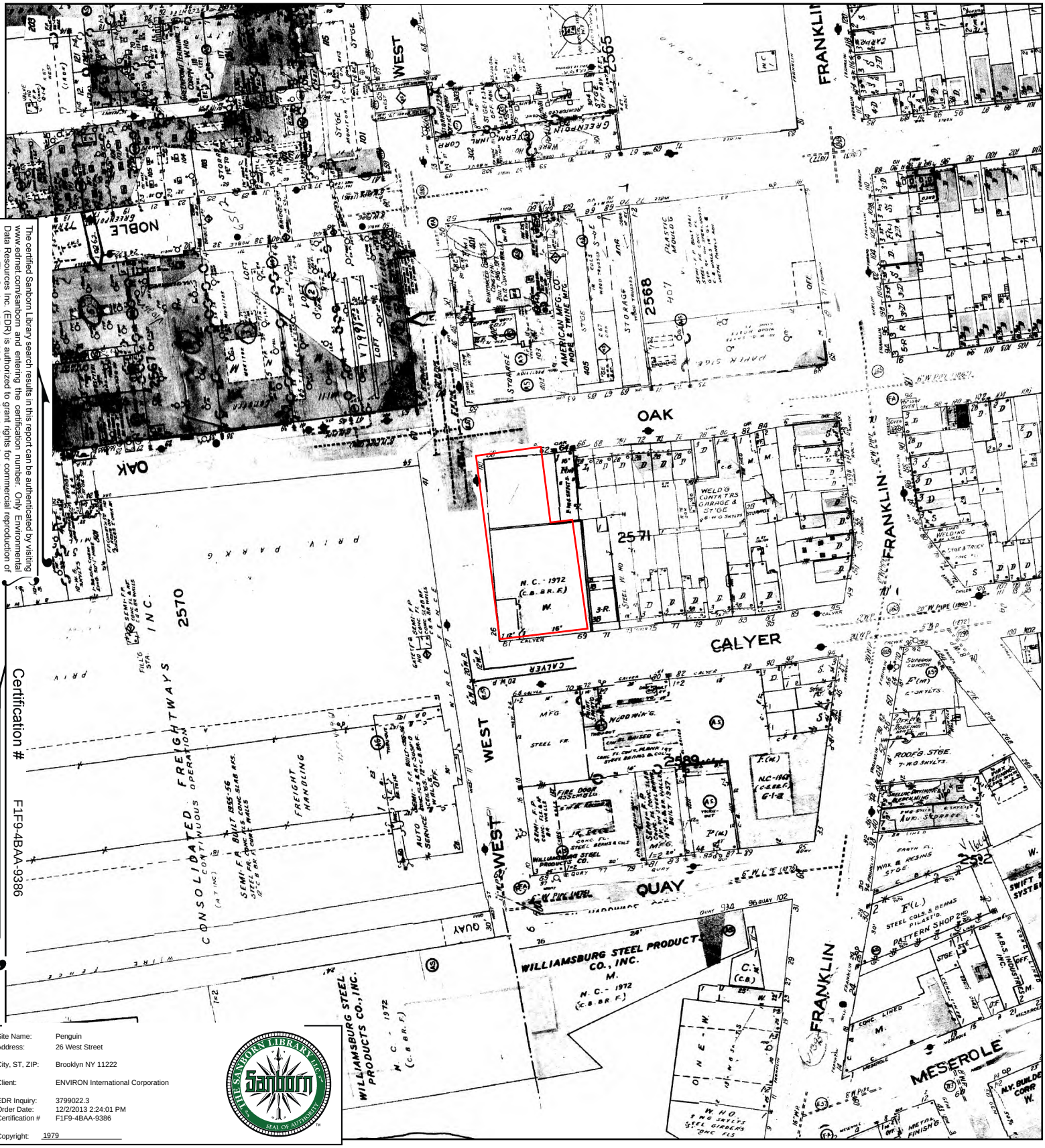

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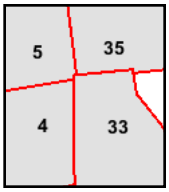

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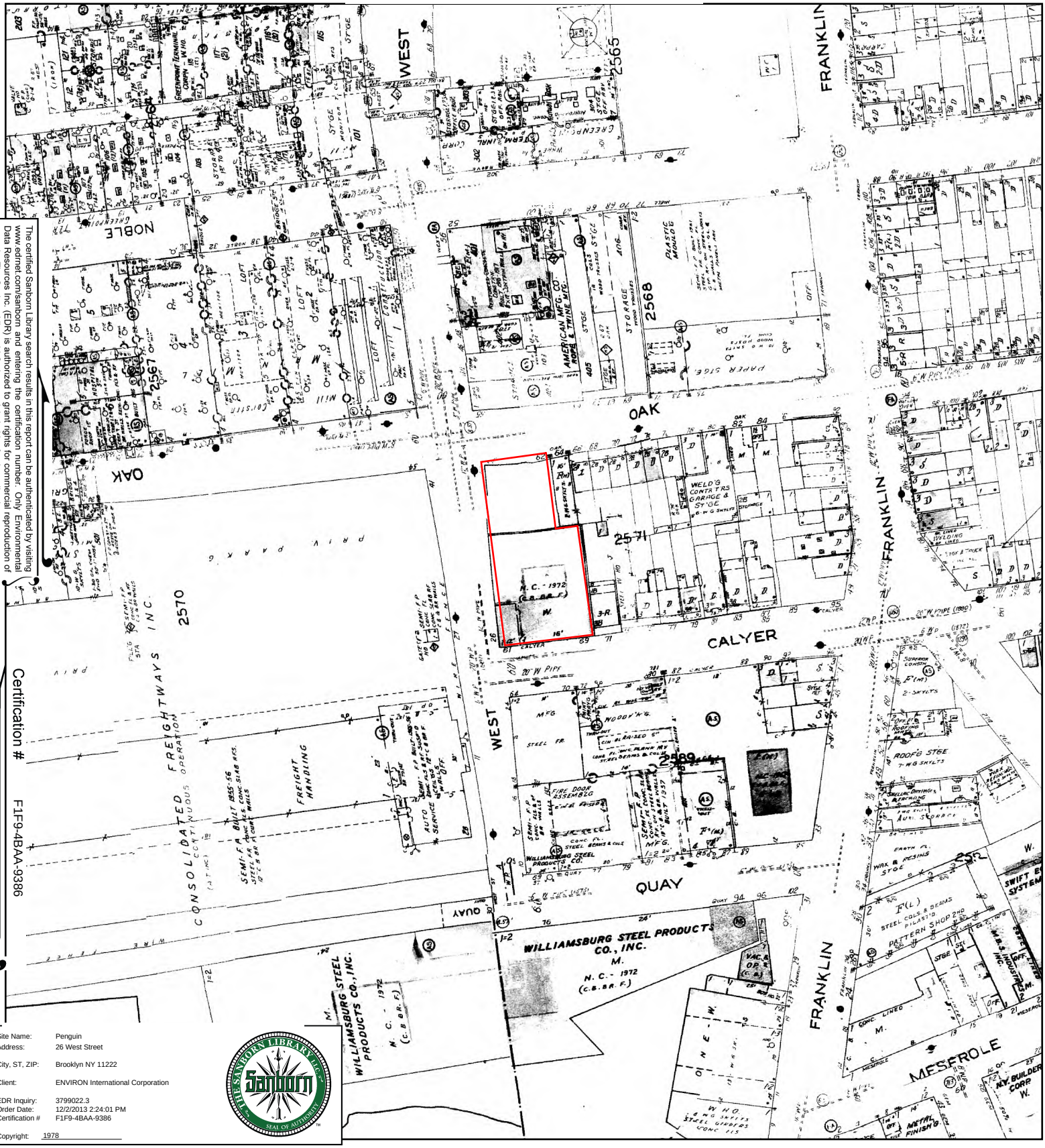

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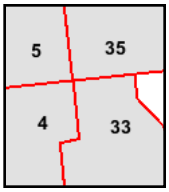

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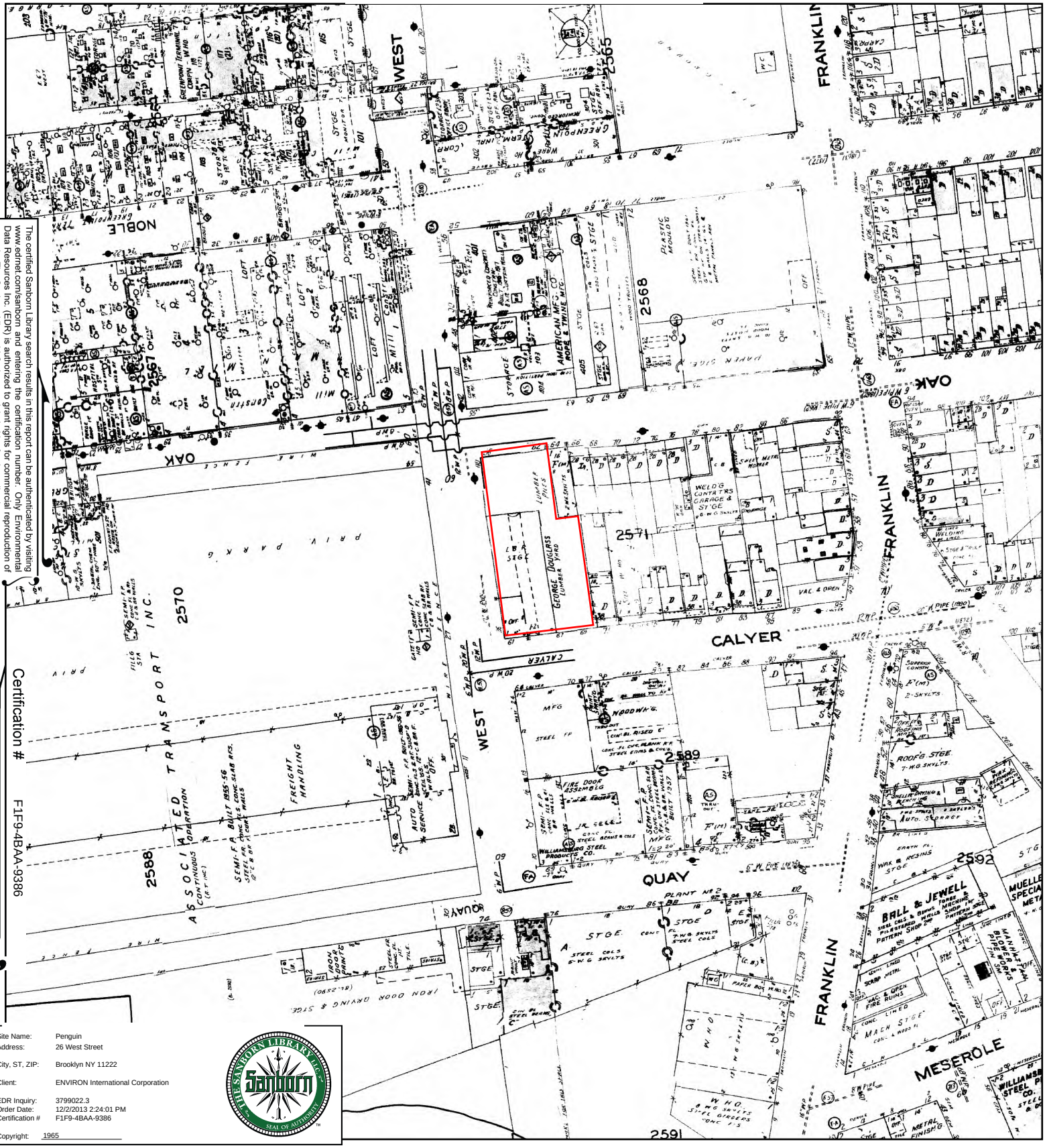

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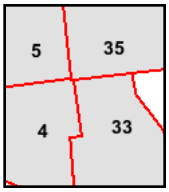

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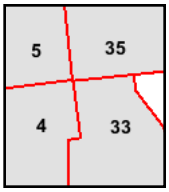

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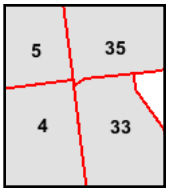

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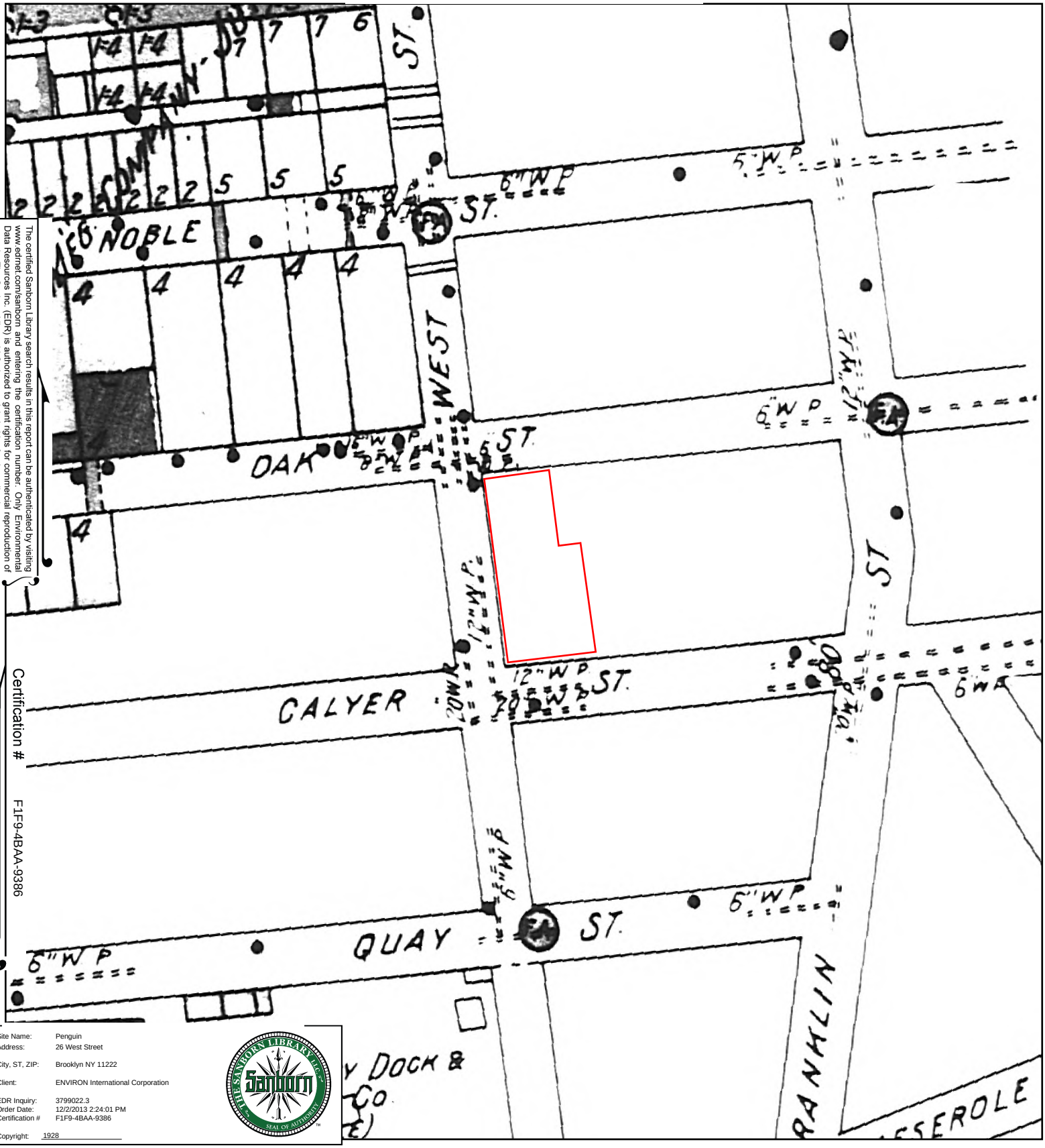

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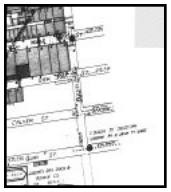

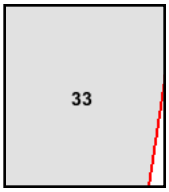

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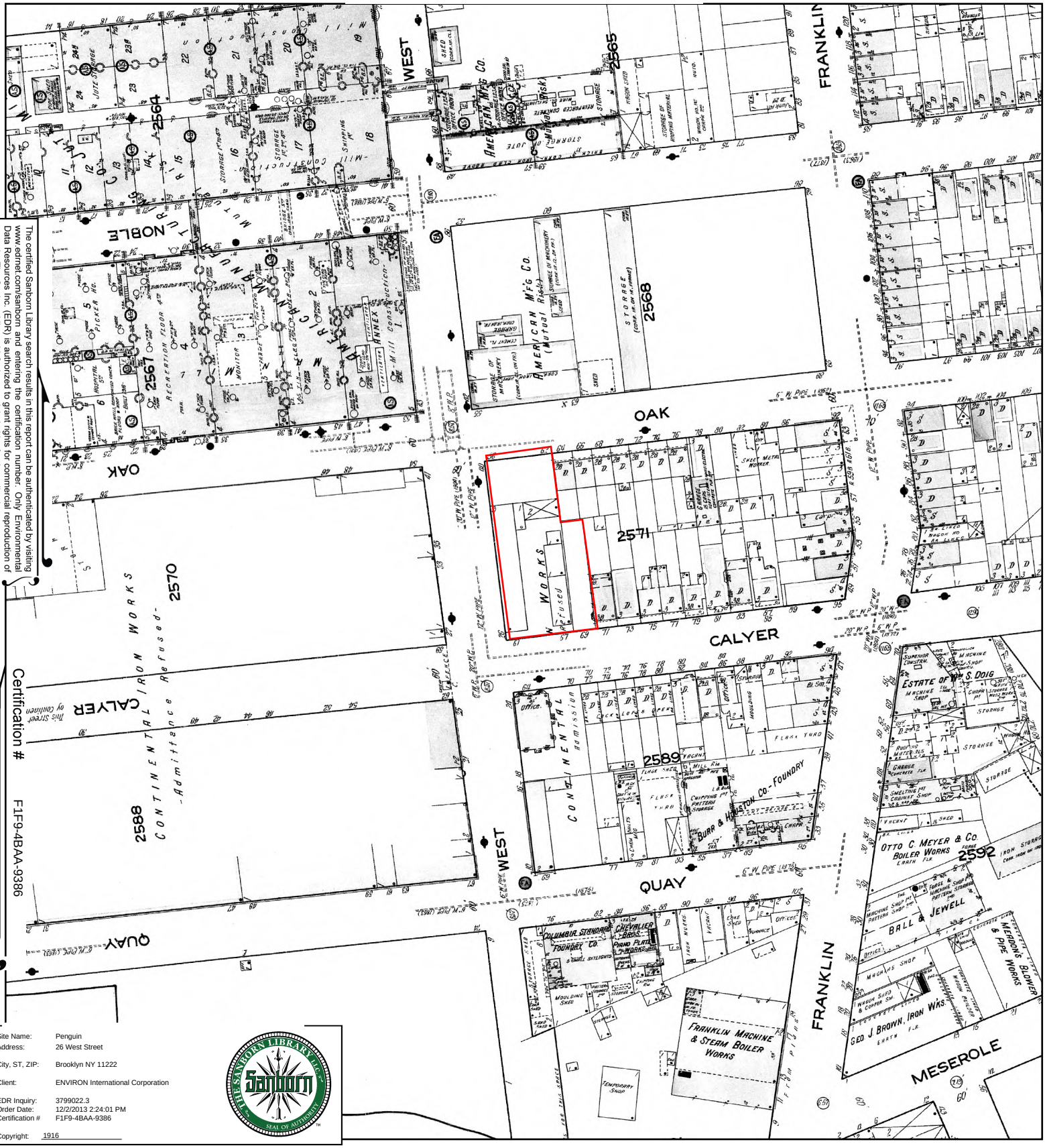

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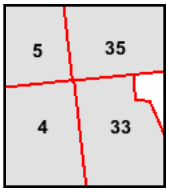

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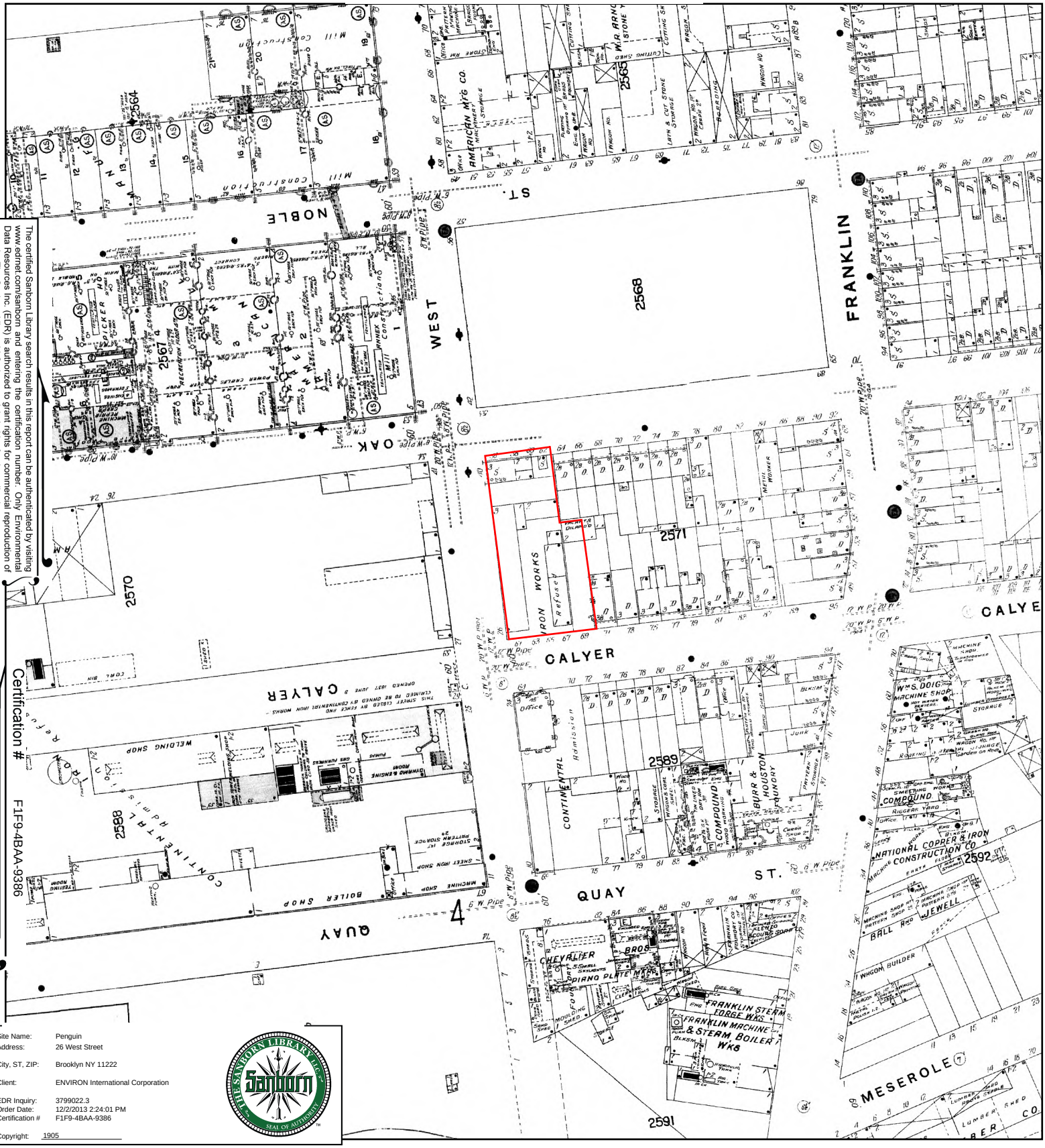

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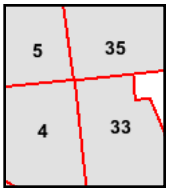

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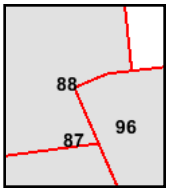

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Appendix D

Qualifications of Environmental Professionals

ENVIRON

Tavia Rutledge | Senior Manager

Newark, New Jersey
+ 1 973 286 4265 | trutledge@environcorp.com

Tavia Rutledge has more than 16 years of experience in environmental science and engineering, completing a wide range of projects with particular emphasis on environmental due diligence evaluations, regulatory compliance auditing, environmental permitting and regulatory compliance support and New Jersey Industrial Site Recovery Act compliance. She has personally conducted environmental due diligence assessments and regulatory compliance audits of more than 500 facilities, across an array of industries (e.g., pulp and paper, steel, chemical manufacturing, electricity generation, glass manufacturing, plastics, automotive manufacturing, food production and semiconductors) and throughout the United States, Canada and Spain. She has managed large-scale environmental due diligence reviews of facilities throughout the United States, Canada, South America, Mexico, Europe, Australia and the Asia-Pacific region. Tavia has completed projects involving environmental investigation and remediation, solid and hazardous waste management, federal and state land-use permitting and cost allocation and forecasting.

EDUCATION

2002 MS, Environmental Engineering (Concentration in Subsurface Contaminant Hydrology), Drexel University

1995 BS, Chemical Engineering, University of Pennsylvania

EXPERIENCE

- Conducted due diligence environmental assessments and regulatory compliance audits of more than 400 industrial and commercial facilities located throughout the United States, Canada and Spain to assess on- and off-site liabilities. Types of facilities assessed included metal working facilities, cogeneration plants, warehouses, office buildings, electronic equipment assembly plants, chemical and plastics manufacturing facilities, asphalt roofing material production facilities, meat rendering plants, waste processing and recycling facilities, glass working facilities, steel manufacturing and processing plants, trucking terminals, heavy equipment manufacturing facilities and food production facilities.
- Managed large-scale multi-site due diligence environmental assessments and regulatory compliance audits of more than 700 industrial and commercial facilities located throughout the United States, Canada, Mexico, South America, Europe and Australia.
- Conducted comprehensive multi-media environmental regulatory compliance audits of major manufacturing and institutional facilities located in New Jersey, New York, Ohio and Kentucky. These facilities have included pharmaceutical manufacturing facilities, a glass manufacturing facility, fragrance and flavor manufacturing facilities, a chemical manufacturing facility, and a major university. Areas of focus included hazardous and nonhazardous waste, wastewater and stormwater, air compliance, Emergency Planning and Community Right to Know Act (EPCRA), Spill Prevention Control and Countermeasure (SPCC), and site remediation.
- Assisted industrial facilities with meeting environmental permitting and reporting requirements, including applying for and obtaining environmental permits and registrations (wastewater discharge, stormwater, air and hazardous waste), complying with permit requirements, preparing environmental reports to meet regulatory obligations and terminating and transferring environmental permits and registrations.
- Assisted in an evaluation of former manufactured gas plant (MGP) facilities, located in New York, in an effort to evaluate possible areas of environmental concern and allocate environmental costs. Responsibilities included identifying the former operations, processes, volumes and types of wastes generated and facility equipment at several MGP facilities.

Tavia Rutledge

- Conducted and managed Industrial Site Recovery Act (ISRA) and voluntary cleanup activities at more than 30 industrial facilities in New Jersey, including printing ink facilities, plastics facilities, cardboard printing facilities, paint manufacturing facilities and former bronze powder manufacturing facilities. Projects included the preparation and submission of ISRA documents; coordination with the New Jersey Department of Environmental Protection (NJDEP); performance of preliminary assessments and site and remedial investigations to identify areas of concern and determine the presence and extent of contamination by volatile organic compounds (VOCs), metals and petroleum products; data evaluation; and report preparation.
- Prepared applications for environmental funding from the New Jersey Hazardous Discharge Site Remediation Fund and the Underground Storage Tank (UST) Fund.
- Completed UST closure projects at multiple sites throughout New Jersey. Responsibilities included submission of appropriate pre-closure and post-closure UST paperwork, provision of subsurface evaluator activities, collection of post-excavation soil samples, evaluation of groundwater and soil conditions and preparation of UST closure reports.
- Provided technical support to the plaintiffs in a Clean Water Act and solid waste litigation case in the United States District Court, District of New Jersey. Specific activities included monitoring the barge unloading operations at a major New York City landfill, evaluating unloading operations and debris control procedures and development of specific monitoring procedures to quantify the amount of debris entering the waterway. Work included the preparation of quarterly monitoring reports that evaluated the data, development of recommendations to minimize debris loss and extensive coordination between other consulting firms, multiple plaintiffs, the defendant and the landfill operator.
- Completed a New Jersey Cleanup Star Project involving the closure of three solvent USTs, for which the NJDEP issued a no further action (NFA) letter within 15 calendar days of submission of the UST closure report and associated documents.
- While formerly employed by a Philadelphia chemical manufacturer, Tavia was responsible for controlling environmental exposures and managing regulatory concerns for chemical plants in Philadelphia, Chicago and North Carolina; preparing and submitting air permits for plants in Philadelphia and Chicago; and developing and implementing company safety and health programs.

CREDENTIALS

Registrations and Certifications

40-hour OSHA Hazardous Waste Operations & Emergency Response

8-hour OSHA Supervisor

New Jersey Subsurface Evaluator Certification (expired)

New Jersey Cleanup Star (expired)

Pre-qualified under the NJDEP's Unregulated Heating Oil Tank (UHOT) Program (expired)

ENVIRON

Thomas V. Fusillo | Managing Principal

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Tom Fusillo has more than 30 years of experience in multidisciplinary environmental consulting to major corporations, law firms and financial institutions, with particular emphasis in industrial site evaluation and groundwater contamination, application of cost-effective remedial approaches, environmental due diligence and liability assessment, industrial site redevelopment and environmental regulatory compliance. He has directed and conducted environmental assessments of several hundred industrial facilities covering a wide range of industrial operations, as well as commercial and undeveloped properties. Tom has also designed and implemented site investigation and remediation programs at numerous industrial and commercial facilities, under federal programs and various state programs, including New Jersey's ISRA program, the Connecticut Transfer Act, the New York State Brownfield Cleanup Program and a number of state voluntary cleanup programs. In addition, he has provided technical litigation support for environmental matters.

EDUCATION

1977 MS, Agricultural Engineering (Soil and Water), Rutgers University

1975 BS, Environmental Science (Water Resources), Rutgers University

EXPERIENCE

Phase I Environmental Assessments and Environmental Due Diligence

- Conducted and directed Phase I environmental assessments and environmental compliance audits of over one thousand properties, including hazardous waste treatment, storage, and disposal facilities; chemical and pharmaceutical manufacturing and distribution facilities; printing facilities; electrical power generation and natural gas transmission facilities; and various manufacturing facilities, including steel mills, metal fabrication, plastics and flooring manufacturing, wire and cable manufacturing, furniture manufacturing and lumber processing, and motor and electronics manufacturing; as well as commercial and residential properties and undeveloped land parcels. Assisted purchasers, sellers, financial institutions, and attorneys in identifying, evaluating, and addressing potential liabilities related to property transfers. Projects have covered most states in the US, as well as Canada, Mexico, South America, Europe and Asia.

New Jersey's Industrial Site Recovery Act

- Directed compliance with the Environmental Cleanup Responsibility Act (ECRA) and the Industrial Site Recovery Act (ISRA) at over 50 sites in New Jersey for clients in various industries. Sites have included chemical manufacturing, storage, and distribution facilities; chemicals and plastics research and development laboratories; a resin and specialty chemicals manufacturing facility; a major pharmaceutical firm; a cutlery manufacturer; and printing and publishing facilities. Work has included conducting preliminary assessments, site investigations, and remedial investigations; preparing and implementing remedial action work plans; and providing guidance on ECRA/ISRA compliance issues.

Site Investigation and Remediation under State Voluntary Cleanup Programs

- Designed and implemented a soil and ground water investigation at a former pharmaceutical manufacturing facility that had been demolished and was being redeveloped as an office park. Developed a plan for performing a site-wide survey for potential low-level radiation resulting from past use and potential disposal of thorium compounds on-site. Utilized soil gas surveys and surface geophysical techniques to evaluate potential

source areas for organic and inorganic contaminants. Implemented three phases of site investigation to delineate soil and ground water contamination by chlorinated solvents and aromatic hydrocarbons. Developed remedial action plan to address soil and ground water contamination.

- Designed and implemented a soil and ground water investigation at a former energy research facility to evaluate the extent of chlorinated solvent contamination in bedrock and overburden aquifers. Designed soil gas investigations to identify potential source areas of chlorinated solvents. Implemented two phases of ground water investigations, including packer testing of a deep bedrock well, delineation of the lateral and vertical extent of ground water contamination, and conceptual design of a ground water remediation system.

Ground Water Investigations

- Designed and implemented a detailed hydrogeologic study of a southern New Jersey chemical facility to define the distribution of chlorinated solvents in ground water and the extent of surface water/ground water interactions, including installation of 85 piezometers to perform detailed three-dimensional assessment of stream-aquifer interactions. Utilized soil gas surveys to assess potential sources of contamination in former wastewater lagoons. Installed monitoring well networks in two aquifers to define the lateral and vertical extent of contamination in ground water. Directed development of remedial action plans for soil and ground water contamination by metals, petroleum hydrocarbons, and volatile organic compounds.
- Designed and implemented hydrogeologic and ground water contamination investigations at numerous other industrial and commercial facilities, including soil and soil gas sampling programs, monitoring well networks, and hydrogeologic evaluation.

Resource Conservation and Recovery Act

- Implemented a detailed RCRA ground water quality assessment at a precious metals manufacturing facility, including delineating the lateral and vertical extent of chlorinated solvent contamination in bedrock; characterizing potential source areas using soil gas sampling; and evaluating impacts of the discharge of contaminated ground water on a wetlands area.
- Directed the RCRA closure of an underground hazardous waste storage tank and a hazardous waste drum storage area at a precision gear manufacturing facility, including completing a ground water assessment and corrective action plan.
- Directed a regulatory status review of five landfills for a major waste disposal company.

Superfund Sites

- Directed on-site and off-site ground water investigations at a laboratory chemical manufacturing and packaging facility, where ground water contamination by chlorinated solvents is suspected to have impacted municipal well fields that are now on the National Priorities List. Developed strategies for addressing state and federal requirements for ground water investigations. Evaluated potential impacts on domestic wells and other receptors. Evaluated the effectiveness of the ground water remediation system in operation at the site. Directed preparation of remedial action work plan for additional ground water recovery and treatment systems.
- Provided technical guidance on the preparation of remedial design work plans for a Superfund site in Pennsylvania.
- Interpreted soil and water quality data at several Superfund sites to evaluate the extent and nature of soil, ground water, and surface water contamination.

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Underground Storage Tanks

- Directed underground tank investigation, removal, and remediation projects, and prepared site investigation reports for several facilities. Utilized surface geophysics, soil gas and soil sampling, and ground water monitoring to evaluate potential releases from underground tanks. Directed integrity testing of underground tanks. Evaluated remedial options to address releases from underground tanks.

State Regulatory Programs

- Prepared Solid Waste Assessment Test (SWAT) submissions for two industrial waste disposal sites in California.
- Prepared Baseline Environmental Assessment for a commercial property in Michigan that contained contaminated fill material.
- Directed soil and ground water investigation and remediation at a former manufacturing facility at a New York state Superfund site.
- Directed investigation and remediation of soil and ground water contamination at a former electronics manufacturing facility in Pennsylvania under the state voluntary cleanup program.
- Directed investigation of ground water contamination with chlorinated solvents at a manufacturing facility in South Carolina.

Environmental Litigation

- Provided litigation support to a shopping center owner in cost recovery litigation with various tenants concerning ground water contamination resulting from dry cleaning and other operations at the shopping center. Reviewed soil gas and ground water data and prepared an expert affidavit concerning the sampling results and their implications concerning the potential sources of contamination.
- Provided litigation support to a printing company involved in litigation with several insurance companies for recovery of costs associated with the investigation and remediation of soil and ground water contamination by metals, petroleum hydrocarbons, and volatile organic compounds as part of compliance with ECRA/ISRA. Provided deposition testimony on the potential sources of contamination, proposed remedial measures, and costs for site remediation.
- Provided litigation support to an electronics manufacturing company involved in litigation with other owners and operators of a New Jersey industrial site concerning costs for investigation and remediation of soil and ground water contamination, primarily by chlorinated solvents. Prepared expert report and provided deposition testimony concerning the history of site activities, potential sources of contamination, the extent of contamination, and potential remediation costs.
- Provided litigation support to a fuel company involved in cost recovery litigation with other service station operators and a state turnpike authority concerning soil and ground water contamination at several service stations along a major state turnpike. Also provided litigation support in defending several toxic tort suits filed by residents adjacent to one service station whose domestic wells were allegedly contaminated due to releases of gasoline at the service station.
- Provided litigation support to an insurance company in defending a cost recovery suit concerning costs for investigating and remediating ground water contamination at two Superfund landfill sites.
- Provided litigation support to a pest control company involved in litigation with a site owner and several insurance companies concerning recovery of costs for investigating and remediating pesticide contamination of soil and ground water at a former pesticide storage site.

- Provided litigation support to a major state university pursuing cost recovery litigation against several insurance companies for costs to investigate and remediate pesticide contamination at an air field previously used for mixing pesticides and loading airplanes used for aerial spraying.
- Provided litigation support to a manufacturing facility regarding potential contamination associated with alleged improper waste disposal. Provided trial testimony.

Prior to joining ENVIRON, Tom held the following position:

- Hydrologist and Specialist in Contaminant Geochemistry, US Geological Survey
  - Directed a multidisciplinary field and laboratory investigation of the physical, chemical, and biological processes affecting the fate and transport of chlorinated solvents in ground water, as part of the USGS Toxic Waste-Ground Water Contamination Program.
  - Directed a $1.3-million ground water contamination assessment at two RCRA regulated industrial waste treatment facilities at a US Army arsenal where ground water contamination by chlorinated solvents had affected water supply wells.
  - Conducted a regional investigation of ground water contamination in the Potomac-Raritan-Magothy aquifer system over an area of approximately 1,000 sq. mi. in southwestern New Jersey, with emphasis on trace metals and volatile organic compounds.
  - Directed a comprehensive review of the occurrence and distribution of synthetic organic compounds in US surface waters.
  - Evaluated commercially available ground water sampling devices for their effectiveness in collecting samples with representative concentration of organic compounds.
  - Analyzed the relationship between stream acidification and fish survival in Oyster Creek, New Jersey.
  - Examined the effects of suburban development on the ground and surface water resources of a rural New Jersey township.

CREDENTIALS

Registrations and Certifications

Certified Ground Water Professional, no. 338

NJ Department of Environmental Protection Certification in Subsurface Evaluation no. 0003212

Connecticut Licensed Environmental Professional, no. 337

Professional Affiliations and Activities

Member, American Geophysical Union

Member, Association of Ground Water Scientists and Engineers

Associate Member, Sigma Xi Scientific Research Society

Training Courses Taught

Fundamentals of Ground Water Contamination and Clean-Up, Government Institutes, Inc.

Organic Substances in Water, US Geological Survey

Ground Water Sampling and Analysis, US Geological Survey

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Well Drilling Methods at Superfund Sites, US Environmental Protection Agency

Honors

1987 US Geological Survey Special Service Award

1985 Listed in Who's Who in the East

Training Courses & Workshops Attended

OSHA 40-hour Health and Safety Training, Denver, CO

OSHA 8-hour Health and Safety Refresher Course, Piscataway, NJ

Response Safety Decision-Making, US Environmental Protection Agency, Philadelphia, PA

Ground Water Pollution and Hydrology, Ground Water Associates, Princeton, NJ

Ground Water Monitoring, Institute for Environmental Education, Philadelphia, PA

Ground Water Treatment Technology, National Water Well Association, Edison, NJ

Subsurface Monitoring Technology, University of Wisconsin-Extension, Philadelphia, PA

Management of Underground Storage Tanks, The Center for Professional Development, East Brunswick, NJ

Geochemistry for Ground Water Systems, US Geological Survey, Denver, CO

Chemistry for Ground Water Solute Transport Models, US Geological Survey, Denver, CO

Ground Water Solute Transport Workshop, US Geological Survey, Denver, CO

Isotope Geochemistry, US Geological Survey, Reston, VA

Seminar on Site Characterization for Subsurface Remediation, US Environmental Protection Agency, Philadelphia, PA

Seminar on Characterizing and Remediating Dense Nonaqueous Phase Liquids at Hazardous Sites, US Environmental Protection Agency, New York, NY

US Geological Survey National Ground Water Contamination Working Group 1985-87

US Geological Survey Organic Substances Task Group 1986-87

US Geological Survey National Water Quality Laboratory Advisory Committee 1985-87

PUBLICATIONS & PRESENTATIONS

Fusillo, T.V., and R. North. 2000. Case Studies of Naturally-Occurring and Agriculturally-Related Arsenic in Southern New Jersey. National Ground Water Association Focus Conference on Eastern Ground Water Issues. October 2000.

Fusillo, T.V., and M.J. Potts. 1995. Expedited Characterization of Ground Water Contamination at a Large Industrial Site through Geoprobe Sampling and Field Analysis. National Ground Water Association National Convention, Poster Presentation. October 1995.

Ervin, E.M., L.M. Voronin, and T.V. Fusillo. 1994. Water quality of the Potomac-Raritan-Magothy Aquifer System in the Coastal Plain, west-central New Jersey. US Geological Survey Water-Resources Investigations Report, no. 94-4113.

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Fusillo, T.V., B.P. Sargent, R.L. Walker, T.E. Imbrigiotta, and W.H. Ellis. 1991. Investigation of the discharge of ground water containing volatile organic compounds into a stream at Picatinny Arsenal, New Jersey. Transactions, American Geophysical Union 72(44).

Fusillo, T.V., K.M. Keoughan, and J.M. Norwood. 1991. The use of soil gas investigations for delineating chlorinated solvent contamination in soils and ground water. In Proceedings of the Focus Conference on Eastern Regional Ground Water Issues, Portland, Maine. National Water Well Association, Dublin, Ohio. pp. 163-175.

Sargent, B.P., T.V. Fusillo, D.A. Storck, and J.A. Smith. 1990. Assessment of contamination of ground water and surface water in the area of Building 24, Picatinny Arsenal, New Jersey, 1986-87. US Geological Survey Water-Resources Investigation Report, no. 90-4057.

Fusillo, T.V., J. Gibs, J.A. Kammer, and T.E. Imbrigiotta. 1988. Screening for volatile organic compounds in ground water using gas chromatography with photoionization and Hall detectors. US Geological Survey Open File Report, no. 88-481.

Smith, J.A., P.J. Witkowski, and T.V. Fusillo. 1988. Manmade organic compounds in the surface waters of the United States A review of current understanding. US Geological Survey Circular, no. 1007.

Imbrigiotta, T.E., J. Gibs, T.V. Fusillo, G.R. Kish, and J.J. Hochreiter. 1988. Field evaluation of seven sampling devices for purgeable organic compounds in ground water. In Ground water contamination: Field methods, eds. A.G. Gollins and A.J. Johnson, 963:258-273. Philadelphia: American Society for Testing and Materials.

Fusillo, T.V., T.A. Ehlke, M. Martin, and B.P. Sargent. 1987. Movement and fate of chlorinated solvents in ground water: Preliminary results and future research plans. US Geological Survey Open File Report, no. 87 109.

Fusillo, T.V., T.A. Ehlke, and M. Martin. 1987. Movement and fate of chlorinated solvents in ground water: Research activities at Picatinny Arsenal, New Jersey. US Geological Survey Open File Report, no. 87 395.

Witkowski, P.J., J.A. Smith, T.V. Fusillo, and C.T. Chiou. 1987. A review of surface water sediment fractions and their interactions with persistent anthropogenic organic compounds. US Geological Survey Circular, no. 993.

Kish, G.R., E.F. Vowinkel. T.V. Fusillo, and W.A. Battaglin. 1986. Nonpoint-source ground-water contamination–Relation of land use to ground-water quality in the outcrop area of the Potomac-Raritan-Magothy Aquifer System, New Jersey. US Geological Survey National Water Summary 1986, 109-114.

Fusillo, T.V., J.J. Hochreiter, and D.G. Lord. 1985. Distribution of volatile organic compounds in a New Jersey coastal plain aquifer system. Ground Water 23(3):354 360.

Fusillo, T.V., J.J. Hochreiter, and D.G. Lord. 1984. Water quality data for the Potomac Raritan Magothy aquifer system in southwestern New Jersey, 1923 83. US Geological Survey Open File Report, no. 84 737.

Fusillo, T.V., and J.J. Hochreiter. 1982. Relationship of organic contamination in ground water to land use: A case study in the New Jersey Coastal Plain. Transactions, American Geophysical Union 63(18).

Fusillo, T.V., and L.M. Voronin. 1981. Water quality data for the Potomac Raritan Magothy aquifer system, Trenton to Pennsville, New Jersey, 1980. US Geological Survey Open File Report, no. 81 814.

Fusillo, T.V. 1981. Impact of suburban residential development on water resources in the area of Winslow Township, Camden County, New Jersey. US Geological Survey Water Resources Investigations Report, no. 81 27.

Fusillo, T.V., J.C. Schornick, H.E. Koester, and D.A. Harriman. 1980. Investigation of acidity and other water quality characteristics of upper Oyster Creek, Ocean County, New Jersey. US Geological Survey Water-Resources Investigations Report, no. 80 10.

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Fusillo, T.V. 1978. Water quality and quantity: Urban hydrology aspects. In Proceedings of the National Urban Forestry Conference, 380-391. Washington, D.C.

Fusillo, T.V., G.H. Nieswand, and T.B. Shelton. 1977. Sediment yields in a small watershed under suburban development. In Proceedings of the International Symposium on Urban Hydrology, Hydraulics, and Sediment Control, 303-308. Lexington, Kentucky.

Nieswand, G.H., T.B. Shelton, and T.V. Fusillo. 1976. A study of the impact of suburban development on water quality in a small watershed. American Society of Agricultural Engineers Paper, no. 76 2543.

ATTACHMENT B
SOIL BORING LOGS

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B1 Boring Log

Location: Peformed in the southwest corner of the parking lot.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: TRG1407	Address: 26 West Street, Brooklyn, NY	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: Eastern Environmental Solutions	Method: Geoprobe 6610DT	Not Detected		Well Specifications
Date Started: 5/19/2014	Date Completed: 5/19/2014			None
Completion Depth: 15 Feet	Geologist Kevin Waters			

B1 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	28		0.0	15" - Grey/Dk brown fine sandy sil 13" - Brown fine silty sanc **Retained soil sample B1(0-2)*
	to 10	36		0.0	36" - Brown fine silty sanc
	to 15	27		0.0	27" - Brown fine silty sand (wet **Retained soil sample B1(10-12)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B2 Boring Log

Location: Peformed in the northern portion of the parking lot.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: TRG1407	Address: 26 West Street, Brooklyn, NY	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: Eastern Environmental Solutions	Method: Geoprobe 6610DT	Not Detected		Well Specifications
Date Started: 5/19/2014	Date Completed: 5/19/2014			None
Completion Depth: 15 Feet	Geologist Kevin Waters			

B2 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	28		0.0	23" - Grey/Dk brown fill material w/brick 5" - Brown fine silty sanc *Retained soil sample B2(0-2)*
	to 10	27		0.0	27" - Brown fine silty sanc
	to 15	37		0.0	37" - Brown fine silty sand (wet *Retained soil sample B2(10-12)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B3 Boring Log

Location: Peformed in the southwest corner of the parking lot.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: TRG1407	Address: 26 West Street, Brooklyn, NY	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: Eastern Environmental Solutions	Method: Geoprobe 6610DT	Not Detected		Well Specifications
Date Started: 5/19/2014	Date Completed: 5/19/2014			None
Completion Depth: 15 Feet	Geologist Kevin Waters			

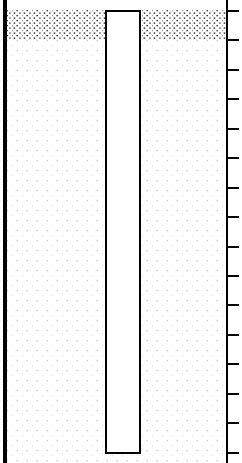
B3 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	30		0.0	30" - Grey/Dk brown silty sanc *Retained soil sample B3(0-2)*
	to 10	29		0.0	27" - Brown fine silty sanc
	to 15	25		0.0	25" - Brown fine silty sand (wet *Retained soil sample B3(10-12)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B4 Boring Log

Location: Peformed in the loading bay area in the southeast corner of the building.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: TRG1407	Address: 26 West Street, Brooklyn, NY	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: Eastern Environmental Solutions	Method: Geoprobe 6610DT	Not Detected		Well Specifications
Date Started: 5/19/2014	Date Completed: 5/19/2014			None
Completion Depth: 15 Feet	Geologist Kevin Waters			

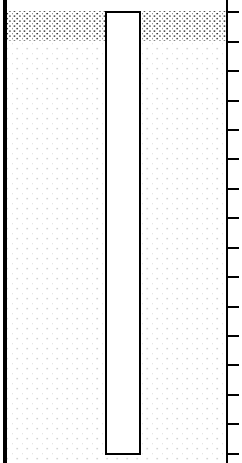
B4 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	27		0.0	8" - Black/brown sanc 19" - Brown fine silty sanc **Retained soil sample B4(0-2)*
	to 10	36		0.0	36" - Brown fine silty sanc
	to 15	40		0.0	12" - Brown/light grey silt (wet 28" - Brown fine silty sand (wet **Retained soil sample B4(10-12)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B5 Boring Log

Location: Peformed in the southwest corner of the building.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: TRG1407	Address: 26 West Street, Brooklyn, NY	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: C^2 Environmental	Method: Geoprobe	Not Detected		Well Specifications
Date Started: 10/1/2014	Date Completed: 10/1/2014			None
Completion Depth: 15 Feet	Geologist Sunny Chen			

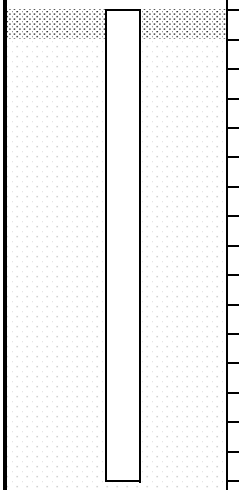
B5 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	20		0.0	6" - Concrete 2" - Tan sandy fil 10" - Dark silty fil 12" - Brown silty sanc **Retained soil sample B5(0-2)*
	5 to 10	37		0.0	10" - Brown fine silty sand 27" - Brown wet silty sanc
	10 to 15	42		0.0	42" - Brown fine silty sand (wet **Retained soil sample B5(11-13)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B6 Boring Log

Location: Performed at the northwest corner of the building.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: TRG1407	Address: 26 West Street, Brooklyn, NY	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: C^2 Environmental	Method: Geoprobe	Not Detected		Well Specifications
Date Started: 10/1/2014	Date Completed: 10/1/2014			None
Completion Depth: 15 Feet	Geologist Sunny Chen			

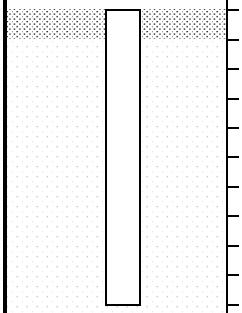
B6 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	40		0.0	4" - Concrete 6" - Black silty aanc 13" - Brown silty sanc 2" - Crush rock 9" - Light brown silty sand **Retained soil sample B6(0-2)*
	to 10	50		0.0	10" - Brown silty sanc 15" - Brown fine silty sanc 25" - Brown wet silty fine sanc
	to 15	42		0.0	42" - Brown wet silt sand (wet) **Retained soil sample B6(11-13)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B7 Boring Log

Location: Performed at the center of the building.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: TRG1407	Address: 26 West Street, Brooklyn, NY	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: C^2 Environmental	Method: Geoprobe	Not Detected		Well Specifications
Date Started: 10/1/2014	Date Completed: 10/1/2014			None
Completion Depth: 13 Feet	Geologist Sunny Chen			

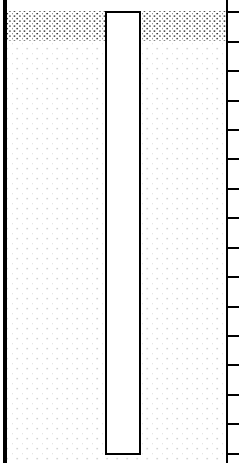
B7 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	33		0.0	5" - Concrete 4" - Dark sandy fil 24" - Brown fine silty sanc **Retained soil sample B7(0-2)*
	to 13	41		0.0	23" - Brown fine silty sanc 18" - Brown fine silty sand (wet **Retained soil sample B7(11-13)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B8 Boring Log

Location: Performed in the Northeast corner of the Site.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: TRG1407	Address: 26 West Street, Brooklyn, NY	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: C^2 Environmental	Method: Geoprobe	9.35 ft		Well Specifications
Date Started: 10/1/2014	Date Completed: 10/1/2014			None
Completion Depth: 15 Feet	Geologist Sunny Chen			

B8 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	10		0.0	5" - Black sandy fill materia 5" - Brown fine silty sanc *Retained soil sample B8(0-2)*
	to 10	43		0.0	6" - Brown fine silty sanc 4" - Crushed rock 20" - Brown fine silty sanc 28" - Brown silty fine sand (wet
	to 15	50		0.0	50" - Brown fine silty sand (wet *Retained soil sample B8(11-13)*

ATTACHMENT C
GROUNDWATER SAMPLING LOGS

GROUNDWATER PURGE / SAMPLE LOGS

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: B1

Date: 7/25/2014

Well Depth (from TOC): 15

Equipment: Peristaltic Pump

Static Water Level (from TOC): 5

Field Personnel: Rueben Levinton

Height of Water in Well: 10

Gallons of Water per Well Volume: 0.4

Flow Rate: 400ml/min.

Time	Time (24Hr)	Pump Rate	Gal. Removed	pH	Cond. (µS/cm)	Temp. (ºF)	DO (mg/L)	Comments
0.00	14:51	400ml/min	0					turbid
2.00	14:53	400ml/min	0.22					turbid
4.00	14:55	400ml/min	0.44					clear
6.00	14:57	400ml/min	0.66					clear
8.00	14:59	400ml/min	0.88					clear
	15:00							Collected B1

Note 400 ml = 0.11 gallons

GROUNDWATER PURGE / SAMPLE LOGS

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: B2

Date: 7/25/2014

Well Depth (from TOC): 15

Equipment: Peristaltic Pump

Static Water Level (from TOC): 5

Field Personnel: Rueben Levinton

Height of Water in Well: 10

Gallons of Water per Well Volume: 0.4

Flow Rate: 400ml/min.

Time	Time (24Hr)	Pump Rate	Gal. Removed	pH	Cond. (µS/cm)	Temp. (ºF)	DO (mg/L)	Comments
0.00	15:05	400ml/min	0					turbid
2.00	15:07	400ml/min	0.22					turbid
4.00	15:09	400ml/min	0.44					clear
6.00	15:11	400ml/min	0.66					clear
8.00	15:13	400ml/min	0.88					clear
	15:15							Collected Sample
	15:25							Collected Duplicate

Note 400 ml = 0.11 gallons

GROUNDWATER PURGE / SAMPLE LOGS

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: MW3

Date: 10/2/2014

Well Depth (from TOC): 15

Equipment: Peristaltic Pump

Static Water Level (from TOC): 9

Field Personnel: Sunny Chen

Height of Water in Well: 6

Gallons of Water per Well Volume: 0.24

Flow Rate: 400ml/min.

Time	Time (24Hr)	Pump Rate	Gal. Removed	pH	Cond. (µS/cm)	Temp. (ºF)	DO (mg/L)	Comments
0.00	12:51	400ml/min	0					turbid
2.00	12:53	400ml/min	0.22					turbid
4.00	12:55	400ml/min	0.44					clear
6.00	12:57	400ml/min	0.66					clear
8.00	12:59	400ml/min	0.88					clear
	1:00							Collected Sample

Note 400 ml = 0.11 gallons

GROUNDWATER PURGE / SAMPLE LOGS

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: B4

Date: 7/25/2014

Well Depth (from TOC): 15

Equipment: Peristaltic Pump

Static Water Level (from TOC): 9

Field Personnel: Rueben Levinton

Height of Water in Well: 6

Gallons of Water per Well Volume: 0.24

Flow Rate: 400ml/min.

Time	Time (24Hr)	Pump Rate	Gal. Removed	pH	Cond. (µS/cm)	Temp. (ºF)	DO (mg/L)	Comments
0.00	14:31	400ml/min	0					turbid
2.00	14:33	400ml/min	0.22					turbid
4.00	14:35	400ml/min	0.44					clear
6.00	14:37	400ml/min	0.66					clear
8.00	14:39	400ml/min	0.88					clear
	14:40							Collected Sample

Note 400 ml = 0.11 gallons

ATTACHMENT D
SOIL GAS SAMPLING LOGS

PHOENIX
Environmental Laboratories, Inc.

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

CHAIN OF CUSTODY RECORD
AIR ANALYSES

800-827-5426

email: greg@phoenixlabs.com

P.O. #

Data Delivery:
- ☐ Fax #:
- ☒ Email: File
- ☐ Phone #:

Report to: Kevin Waters

Customer: EBC

Address:

Invoice to: EBC

Sampled by: KW

Project Name: 26 West St BK NY

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

State where samples collected: NY

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-14	TO-15
		THIS SECTION FOR LAB USE ONLY											MATRIX			ANALYSES	
80615	Sg1	357	6.0	-30	-8	5656	41.6	1005	1135	7-22	-28	-9		X			X
80616	Sg4	457	↓	↓	-5	4980*	↓	1000	1142	7-22	-30	-9		↓			↓
80617	Sg3	371	↓	↓	-7	4484	↓	1009	1135	7-22	-28	-9		↓			↓
80618	Sg2	172	↓	↓	-5	4495	↓	1007	1144	7-22	-30	-8		↓			↓
	6L 2hr																

Relinquished by:	Accepted by:	Date:	Time:
		7-23-14	8:50
		7-23-14	1729

Data Format: Excel ☒ Equis ☐ GISKey ☐ PDF ☒ Other: ☐

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

did not RCV '4980' Reg LRB

Requested Criteria

Quote Number:

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

Signature: Date:

PHOENIX Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD AIR ANALYSES

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-1102

Data Delivery:
☐ Fax #:
☐ Email: cgosik@ebcincny.com

Report to:	EBC	Invoice to:	EBC
Address:	1808 Middle Country Rd	Address:	Same
Project Mgr:	Ridge NY	P.O. #	
Phone #		Quote #	

Project Name: 26 West Street Brooklyn
Location:
State: NY
Sampled by: Sunny

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				Is Canister Returned Unused? Y/N
		LAB USE ONLY											MATRIX				ANALYSES					
22957	SG-6	226	6L		-3	5709		1237	1441	10-2-14	-29	-4		X				X				
22958	SG-7	13634	6L		-4	5349		1240	1421	10-2-14	-29	-6		X				X				
22959	SG-5	478	6L		-3	4990		1244	1442	10-2-14	-29	-6		X				X				

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	10/3	0830
[signature]	[signature]	10/3/14	1535

Criteria Requested:

Deliverable:
RCP ☐
MCP ☐

State where samples collected: NY

Data Format:
Excel ☒ Equis ☐
PDF ☒ Other: ☐
GISKey ☐

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

6L 2Hr

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

PHOENIX
Environmental Laboratories, Inc.

Wednesday, October 29, 2014

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

Project ID: 26 WEST ST., BROOKLYN
Sample ID#s: BH22955 - BH22956

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.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

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

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

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

NY # 11301

SDG Comments

October 29, 2014

SDG I.D.: GBH22955

Version 1: Analysis results minus QC and forms.

Version 2: Complete report with QC and forms.

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY ANALYTICAL SERVICES PROTOCOL DATA PACKAGE

Client: Environmental Business Consultants

Project: 26 WEST ST., BROOKLYN

Laboratory Project: GBH22955

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Analytical Services Protocol Format

October 29, 2014 **SDG I.D.: GBH22955**

Environmental Business Consultants 26 WEST ST., BROOKLYN

Methodology Summary

Metals

ICP :
USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 6010C.
Mercury:
USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods Update III, 7471

Pesticides:

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8081B.

Polychlorinated Biphenyls (PCBs):

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8082A.

Semivolatile Organic Compounds

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8270D.

Volatile Organics

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed.Update III, Method 8260C.

Sample Id Cross Reference

Client Id	Lab Id	Matrix
MW3	BH22955	GROUND WATER
TRIP BLANK	BH22956	GROUND WATER

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Analytical Services Protocol Format

October 29, 2014 **SDG I.D.: GBH22955**

Environmental Business Consultants 26 WEST ST., BROOKLYN

Laboratory Chronicle

The samples in this delivery group were received at 4°C.

Sample	Analysis	Collection Date	Extraction Date	Analysis Date	Analyst	Hold Time Met
BH22955	Aluminum (Dissolved)	10/02/14	10/03/14	10/03/14	EK	Y
BH22955	Antimony, (Dissolved)	10/02/14	10/03/14	10/06/14	RS	Y
BH22955	Arsenic, (Dissolved)	10/02/14	10/03/14	10/03/14	EK	Y
BH22955	Barium (Dissolved)	10/02/14	10/03/14	10/03/14	EK	Y
BH22955	Beryllium (Dissolved)	10/02/14	10/03/14	10/03/14	EK	Y
BH22955	Cadmium (Dissolved)	10/02/14	10/03/14	10/03/14	EK	Y
BH22955	Calcium (Dissolved)	10/02/14	10/03/14	10/03/14	EK	Y
BH22955	Chromium (Dissolved)	10/02/14	10/03/14	10/03/14	EK	Y
BH22955	Cobalt, (Dissolved)	10/02/14	10/03/14	10/03/14	EK	Y
BH22955	Copper, (Dissolved)	10/02/14	10/03/14	10/03/14	EK	Y
BH22955	Iron, (Dissolved)	10/02/14	10/03/14	10/03/14	EK	Y
BH22955	Lead (Dissolved)	10/02/14	10/03/14	10/03/14	EK	Y
BH22955	Magnesium (Dissolved)	10/02/14	10/03/14	10/03/14	EK	Y
BH22955	Manganese, (Dissolved)	10/02/14	10/03/14	10/03/14	EK	Y
BH22955	Mercury (Dissolved)	10/02/14	10/07/14	10/07/14	RS	Y
BH22955	Nickel, (Dissolved)	10/02/14	10/03/14	10/03/14	EK	Y
BH22955	Pesticides	10/02/14	10/03/14	10/05/14	CE	Y
BH22955	Polychlorinated Biphenyls	10/02/14	10/03/14	10/04/14	AW	Y
BH22955	Potassium (Dissolved)	10/02/14	10/03/14	10/03/14	EK	Y
BH22955	Selenium, (Dissolved)	10/02/14	10/03/14	10/07/14	R/T	Y
BH22955	Semivolatiles	10/02/14	10/03/14	10/06/14	DD	Y
BH22955	Silver (Dissolved)	10/02/14	10/03/14	10/03/14	EK	Y
BH22955	Sodium (Dissolved)	10/02/14	10/03/14	10/03/14	EK	Y
BH22955	Thallium , (Dissolved)	10/02/14	10/03/14	10/06/14	RS	Y
BH22955	Vanadium, (Dissolved)	10/02/14	10/03/14	10/03/14	EK	Y
BH22955	Volatiles	10/02/14	10/04/14	10/04/14	MH	Y
BH22955	Zinc, (Dissolved)	10/02/14	10/03/14	10/03/14	EK	Y
BH22956	Volatiles	10/02/14	10/04/14	10/04/14	MH	Y

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 29, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	SC	10/02/14	13:00
Location Code:	EBC	Received by:	LB	10/03/14	15:35
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH22955
Phoenix ID: BH22955

Project ID: 26 WEST ST., BROOKLYN
Client ID: MW3

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver (Dissolved)	< 0.005		0.005	0.001	mg/L	10/03/14	EK	SW6010
Aluminum (Dissolved)	0.63		0.01	0.0026	mg/L	10/03/14	EK	SW6010
Arsenic, (Dissolved)	< 0.003		0.003	0.001	mg/L	10/03/14	EK	SW6010
Barium (Dissolved)	0.027		0.011	0.001	mg/L	10/03/14	EK	SW6010
Beryllium (Dissolved)	< 0.001		0.001	0.001	mg/L	10/03/14	EK	SW6010
Calcium (Dissolved)	34.7		0.01	0.003	mg/L	10/03/14	EK	SW6010
Cadmium (Dissolved)	< 0.004		0.004	0.0005	mg/L	10/03/14	EK	SW6010
Cobalt, (Dissolved)	< 0.005		0.005	0.001	mg/L	10/03/14	EK	SW6010
Chromium (Dissolved)	0.002		0.001	0.001	mg/L	10/03/14	EK	SW6010
Copper, (Dissolved)	0.001	B	0.005	0.001	mg/L	10/03/14	EK	SW6010
Iron, (Dissolved)	0.62		0.01	0.01	mg/L	10/03/14	EK	SW6010
Mercury (Dissolved)	< 0.0002		0.0002	0.00015	mg/L	10/07/14	RS	SW7470
Potassium (Dissolved)	5.9		0.1	0.1	mg/L	10/03/14	EK	SW6010
Magnesium (Dissolved)	9.35		0.01	0.001	mg/L	10/03/14	EK	SW6010
Manganese, (Dissolved)	0.060		0.005	0.001	mg/L	10/03/14	EK	SW6010
Sodium (Dissolved)	58.5		1.1	1.1	mg/L	10/03/14	EK	SW6010
Nickel, (Dissolved)	0.001	B	0.004	0.001	mg/L	10/03/14	EK	SW6010
Lead (Dissolved)	< 0.002		0.002	0.001	mg/L	10/03/14	EK	SW6010
Antimony, (Dissolved)	< 0.003		0.003	0.003	mg/L	10/06/14	RS	7010
Selenium, (Dissolved)	< 0.004		0.004	0.002	mg/L	10/07/14	R/T	7010
Thallium , (Dissolved)	< 0.001		0.001	0.001	mg/L	10/06/14	RS	7010
Vanadium, (Dissolved)	0.003	B	0.011	0.001	mg/L	10/03/14	EK	SW6010
Zinc, (Dissolved)	0.006	B	0.011	0.001	mg/L	10/03/14	EK	SW6010
Filtration	Completed					10/03/14	AG	0.45um Filter
Dissolved Mercury Digestion	Completed					10/07/14	I/I	SW7470
PCB Extraction	Completed					10/03/14	L	SW3510C
Extraction for Pest (2 Liter)	Completed					10/03/14	L	SW3510
Semi-Volatile Extraction	Completed					10/03/14	E/K/D	SW3520

Project ID: 26 WEST ST., BROOKLYN
Client ID: MW3

Phoenix I.D.: BH22955

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Dissolved Metals Preparation	Completed				10/03/14	AG	SW846-3005	
Pesticides								
4,4' -DDD	ND	0.010	0.010	ug/L	10/05/14	CE	SW8081	
4,4' -DDE	ND	0.010	0.010	ug/L	10/05/14	CE	SW8081	
4,4' -DDT	ND	0.010	0.010	ug/L	10/05/14	CE	SW8081	
a-BHC	ND	0.005	0.005	ug/L	10/05/14	CE	SW8081	
a-chlordane	ND	0.010	0.010	ug/L	10/05/14	CE	SW8081	
Alachlor	ND	0.075	0.075	ug/L	10/05/14	CE	SW8081	1
Aldrin	ND	0.002	0.002	ug/L	10/05/14	CE	SW8081	
b-BHC	ND	0.005	0.005	ug/L	10/05/14	CE	SW8081	
Chlordane	ND	0.050	0.050	ug/L	10/05/14	CE	SW8081	
d-BHC	ND	0.005	0.005	ug/L	10/05/14	CE	SW8081	
Dieldrin	ND	0.002	0.002	ug/L	10/05/14	CE	SW8081	
Endosulfan I	ND	0.010	0.010	ug/L	10/05/14	CE	SW8081	
Endosulfan II	ND	0.010	0.010	ug/L	10/05/14	CE	SW8081	
Endosulfan Sulfate	ND	0.010	0.010	ug/L	10/05/14	CE	SW8081	
Endrin	ND	0.010	0.010	ug/L	10/05/14	CE	SW8081	
Endrin Aldehyde	ND	0.010	0.010	ug/L	10/05/14	CE	SW8081	
Endrin ketone	ND	0.010	0.010	ug/L	10/05/14	CE	SW8081	
g-BHC (Lindane)	ND	0.005	0.005	ug/L	10/05/14	CE	SW8081	
g-chlordane	ND	0.010	0.010	ug/L	10/05/14	CE	SW8081	
Heptachlor	ND	0.010	0.010	ug/L	10/05/14	CE	SW8081	
Heptachlor epoxide	ND	0.010	0.010	ug/L	10/05/14	CE	SW8081	
Methoxychlor	ND	0.10	0.10	ug/L	10/05/14	CE	SW8081	
Toxaphene	ND	0.25	0.25	ug/L	10/05/14	CE	SW8081	
QA/QC Surrogates								
%DCBP (Surrogate Rec)	64			%	10/05/14	CE	SW8081	
%TCMX (Surrogate Rec)	71			%	10/05/14	CE	SW8081	
Polychlorinated Biphenyls								
PCB-1016	ND	0.072	0.072	ug/L	10/04/14	AW	8082	
PCB-1221	ND	0.072	0.072	ug/L	10/04/14	AW	8082	
PCB-1232	ND	0.072	0.072	ug/L	10/04/14	AW	8082	
PCB-1242	ND	0.072	0.072	ug/L	10/04/14	AW	8082	
PCB-1248	ND	0.072	0.072	ug/L	10/04/14	AW	8082	
PCB-1254	ND	0.072	0.072	ug/L	10/04/14	AW	8082	
PCB-1260	ND	0.072	0.072	ug/L	10/04/14	AW	8082	
PCB-1262	ND	0.072	0.072	ug/L	10/04/14	AW	8082	
PCB-1268	ND	0.072	0.072	ug/L	10/04/14	AW	8082	
QA/QC Surrogates								
% DCBP	66			%	10/04/14	AW	30 - 150 %	
% TCMX	68			%	10/04/14	AW	30 - 150 %	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/L	10/04/14	MH	SW8260	
1,1,1-Trichloroethane	ND	5.0	0.19	ug/L	10/04/14	MH	SW8260	
1,1,2,2-Tetrachloroethane	ND	1.0	0.15	ug/L	10/04/14	MH	SW8260	
1,1,2-Trichloroethane	ND	1.0	0.20	ug/L	10/04/14	MH	SW8260	
1,1-Dichloroethane	ND	5.0	0.23	ug/L	10/04/14	MH	SW8260	

Project ID: 26 WEST ST., BROOKLYN
Client ID: MW3

Phoenix I.D.: BH22955

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND		1.0	0.24	ug/L	10/04/14	MH	SW8260	
1,1-Dichloropropene	ND		1.0	0.20	ug/L	10/04/14	MH	SW8260	
1,2,3-Trichlorobenzene	ND		1.0	0.20	ug/L	10/04/14	MH	SW8260	
1,2,3-Trichloropropane	ND		1.0	0.21	ug/L	10/04/14	MH	SW8260	
1,2,4-Trichlorobenzene	ND		1.0	0.18	ug/L	10/04/14	MH	SW8260	
1,2,4-Trimethylbenzene	ND		1.0	0.18	ug/L	10/04/14	MH	SW8260	
1,2-Dibromo-3-chloropropane	ND		1.0	0.36	ug/L	10/04/14	MH	SW8260	
1,2-Dibromoethane	ND		1.0	0.20	ug/L	10/04/14	MH	SW8260	
1,2-Dichlorobenzene	ND		1.0	0.16	ug/L	10/04/14	MH	SW8260	
1,2-Dichloroethane	ND		0.60	0.20	ug/L	10/04/14	MH	SW8260	
1,2-Dichloropropane	ND		1.0	0.18	ug/L	10/04/14	MH	SW8260	
1,3,5-Trimethylbenzene	ND		1.0	0.21	ug/L	10/04/14	MH	SW8260	
1,3-Dichlorobenzene	ND		1.0	0.19	ug/L	10/04/14	MH	SW8260	
1,3-Dichloropropane	ND		1.0	0.22	ug/L	10/04/14	MH	SW8260	
1,4-Dichlorobenzene	ND		1.0	0.19	ug/L	10/04/14	MH	SW8260	
2,2-Dichloropropane	ND		1.0	0.16	ug/L	10/04/14	MH	SW8260	
2-Chlorotoluene	ND		1.0	0.23	ug/L	10/04/14	MH	SW8260	
2-Hexanone	ND		1.0	0.27	ug/L	10/04/14	MH	SW8260	
2-Isopropyltoluene	ND		1.0	0.21	ug/L	10/04/14	MH	SW8260	1
4-Chlorotoluene	ND		1.0	0.16	ug/L	10/04/14	MH	SW8260	
4-Methyl-2-pentanone	ND		1.0	0.19	ug/L	10/04/14	MH	SW8260	
Acetone	2.4	JBS	5.0	0.31	ug/L	10/04/14	MH	SW8260	B*
Acrolein	ND		5.0	0.95	ug/L	10/04/14	MH	SW8260	
Acrylonitrile	ND		5.0	0.17	ug/L	10/04/14	MH	SW8260	
Benzene	ND		0.70	0.19	ug/L	10/04/14	MH	SW8260	
Bromobenzene	ND		1.0	0.20	ug/L	10/04/14	MH	SW8260	
Bromochloromethane	ND		1.0	0.22	ug/L	10/04/14	MH	SW8260	
Bromodichloromethane	ND		1.0	0.16	ug/L	10/04/14	MH	SW8260	
Bromoform	ND		5.0	0.10	ug/L	10/04/14	MH	SW8260	
Bromomethane	ND		5.0	0.50	ug/L	10/04/14	MH	SW8260	
Carbon Disulfide	ND		1.0	0.24	ug/L	10/04/14	MH	SW8260	
Carbon tetrachloride	ND		1.0	0.23	ug/L	10/04/14	MH	SW8260	
Chlorobenzene	ND		5.0	0.20	ug/L	10/04/14	MH	SW8260	
Chloroethane	ND		5.0	0.24	ug/L	10/04/14	MH	SW8260	
Chloroform	ND		5.0	0.22	ug/L	10/04/14	MH	SW8260	
Chloromethane	ND		5.0	0.21	ug/L	10/04/14	MH	SW8260	
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L	10/04/14	MH	SW8260	
cis-1,3-Dichloropropene	ND		0.40	0.15	ug/L	10/04/14	MH	SW8260	
Dibromochloromethane	ND		1.0	0.15	ug/L	10/04/14	MH	SW8260	
Dibromomethane	ND		1.0	0.23	ug/L	10/04/14	MH	SW8260	
Dichlorodifluoromethane	ND		1.0	0.26	ug/L	10/04/14	MH	SW8260	
Ethylbenzene	ND		1.0	0.19	ug/L	10/04/14	MH	SW8260	
Hexachlorobutadiene	ND		0.5	0.13	ug/L	10/04/14	MH	SW8260	
Isopropylbenzene	ND		1.0	0.22	ug/L	10/04/14	MH	SW8260	
m&p-Xylene	ND		1.0	0.42	ug/L	10/04/14	MH	SW8260	
Methyl ethyl ketone	ND		1.0	0.50	ug/L	10/04/14	MH	SW8260	
Methyl t-butyl ether (MTBE)	ND		1.0	0.19	ug/L	10/04/14	MH	SW8260	
Methylene chloride	ND		3.0	0.16	ug/L	10/04/14	MH	SW8260	B
Naphthalene	ND		1.0	0.19	ug/L	10/04/14	MH	SW8260	

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Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
n-Butylbenzene	ND		1.0	0.22	ug/L	10/04/14	MH	SW8260	
n-Propylbenzene	ND		1.0	0.20	ug/L	10/04/14	MH	SW8260	
o-Xylene	ND		1.0	0.45	ug/L	10/04/14	MH	SW8260	
p-Isopropyltoluene	ND		1.0	0.21	ug/L	10/04/14	MH	SW8260	
sec-Butylbenzene	ND		1.0	0.22	ug/L	10/04/14	MH	SW8260	
Styrene	ND		1.0	0.41	ug/L	10/04/14	MH	SW8260	
tert-Butylbenzene	ND		1.0	0.23	ug/L	10/04/14	MH	SW8260	
Tetrachloroethene	ND		1.0	0.24	ug/L	10/04/14	MH	SW8260	
Tetrahydrofuran (THF)	ND		5.0	0.51	ug/L	10/04/14	MH	SW8260	1
Toluene	ND		1.0	0.20	ug/L	10/04/14	MH	SW8260	
trans-1,2-Dichloroethene	ND		5.0	0.20	ug/L	10/04/14	MH	SW8260	
trans-1,3-Dichloropropene	ND		0.40	0.14	ug/L	10/04/14	MH	SW8260	
trans-1,4-dichloro-2-butene	ND		1.0	0.45	ug/L	10/04/14	MH	SW8260	
Trichloroethene	0.27	J	1.0	0.18	ug/L	10/04/14	MH	SW8260	
Trichlorofluoromethane	ND		1.0	0.23	ug/L	10/04/14	MH	SW8260	
Trichlorotrifluoroethane	ND		1.0	0.23	ug/L	10/04/14	MH	SW8260	
Vinyl chloride	ND		1.0	0.14	ug/L	10/04/14	MH	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	101				%	10/04/14	MH	70 - 121 %	
% Bromofluorobenzene	91				%	10/04/14	MH	59 - 113 %	
% Dibromofluoromethane	94				%	10/04/14	MH	70 - 130 %	
% Toluene-d8	98				%	10/04/14	MH	84 - 138 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND		5.0	1.5	ug/L	10/07/14	DD	SW 8270	
1,2-Dichlorobenzene	ND		1.0	1.0	ug/L	10/07/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND		5.0	1.6	ug/L	10/07/14	DD	SW 8270	
1,3-Dichlorobenzene	ND		1.0	1.0	ug/L	10/07/14	DD	SW 8270	
1,4-Dichlorobenzene	ND		1.0	1.0	ug/L	10/07/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND		1.0	1.0	ug/L	10/07/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND		1.0	1.0	ug/L	10/07/14	DD	SW 8270	
2,4-Dichlorophenol	ND		1.0	1.0	ug/L	10/07/14	DD	SW 8270	
2,4-Dimethylphenol	ND		1.0	1.0	ug/L	10/07/14	DD	SW 8270	
2,4-Dinitrophenol	ND		1.0	1.0	ug/L	10/07/14	DD	SW 8270	
2,4-Dinitrotoluene	ND		5.0	2.0	ug/L	10/07/14	DD	SW 8270	
2,6-Dinitrotoluene	ND		5.0	1.6	ug/L	10/07/14	DD	SW 8270	
2-Chloronaphthalene	ND		5.0	1.4	ug/L	10/07/14	DD	SW 8270	
2-Chlorophenol	ND		1.0	1.0	ug/L	10/07/14	DD	SW 8270	
2-Methylnaphthalene	ND		5.0	1.5	ug/L	10/07/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		1.0	1.0	ug/L	10/07/14	DD	SW 8270	
2-Nitroaniline	ND		5.0	5.0	ug/L	10/07/14	DD	SW 8270	
2-Nitrophenol	ND		1.0	1.0	ug/L	10/07/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		1.0	1.0	ug/L	10/07/14	DD	SW 8270	
3,3'-Dichlorobenzidine	ND		5.0	2.4	ug/L	10/07/14	DD	SW 8270	
3-Nitroaniline	ND		5.0	5.0	ug/L	10/07/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		1.0	1.0	ug/L	10/07/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		5.0	1.5	ug/L	10/07/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND		1.0	1.0	ug/L	10/07/14	DD	SW 8270	
4-Chloroaniline	ND		3.5	2.3	ug/L	10/07/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		5.0	1.7	ug/L	10/07/14	DD	SW 8270	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitroaniline	ND	5.0	1.7	ug/L	10/07/14	DD	SW 8270
4-Nitrophenol	ND	1.0	1.0	ug/L	10/07/14	DD	SW 8270
Acenaphthene	ND	5.0	1.5	ug/L	10/07/14	DD	SW 8270
Acetophenone	ND	5.0	1.6	ug/L	10/07/14	DD	SW 8270
Aniline	ND	3.5	5.0	ug/L	10/07/14	DD	SW 8270
Anthracene	ND	5.0	1.6	ug/L	10/07/14	DD	SW 8270
Benzidine	ND	4.5	2.9	ug/L	10/07/14	DD	SW 8270
Benzoic acid	ND	25	10	ug/L	10/07/14	DD	SW 8270
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	10/07/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	10/07/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	1.0	1.0	ug/L	10/07/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	10/07/14	DD	SW 8270
Carbazole	ND	25	3.8	ug/L	10/07/14	DD	SW 8270
Dibenzofuran	ND	5.0	1.5	ug/L	10/07/14	DD	SW 8270
Diethyl phthalate	ND	5.0	1.6	ug/L	10/07/14	DD	SW 8270
Dimethylphthalate	ND	5.0	1.6	ug/L	10/07/14	DD	SW 8270
Di-n-butylphthalate	ND	5.0	1.3	ug/L	10/07/14	DD	SW 8270
Di-n-octylphthalate	ND	5.0	1.3	ug/L	10/07/14	DD	SW 8270
Fluoranthene	ND	5.0	1.6	ug/L	10/07/14	DD	SW 8270
Fluorene	ND	5.0	1.7	ug/L	10/07/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	10/07/14	DD	SW 8270
Isophorone	ND	5.0	1.4	ug/L	10/07/14	DD	SW 8270
Naphthalene	ND	5.0	1.4	ug/L	10/07/14	DD	SW 8270
N-Nitrosodimethylamine	ND	1.0	1.0	ug/L	10/07/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	10/07/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	10/07/14	DD	SW 8270
Phenol	ND	1.0	1.0	ug/L	10/07/14	DD	SW 8270
Pyrene	ND	5.0	1.7	ug/L	10/07/14	DD	SW 8270
Pyridine	ND	10	1.2	ug/L	10/07/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	86			%	10/07/14	DD	19 - 122 %
% 2-Fluorobiphenyl	82			%	10/07/14	DD	30 - 115 %
% 2-Fluorophenol	63			%	10/07/14	DD	25 - 121 %
% Nitrobenzene-d5	76			%	10/07/14	DD	23 - 120 %
% Phenol-d5	62			%	10/07/14	DD	24 - 113 %
% Terphenyl-d14	106			%	10/07/14	DD	18 - 137 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.50	0.50	ug/L	10/06/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.10	0.10	ug/L	10/06/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.02	0.02	0.02	ug/L	10/06/14	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.02	0.02	ug/L	10/06/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	10/06/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	0.02	0.02	ug/L	10/06/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	10/06/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.0	1.0	ug/L	10/06/14	DD	SW8270 (SIM)
Chrysene	ND	0.02	0.02	ug/L	10/06/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	10/06/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	10/06/14	DD	SW8270 (SIM)
Hexachlorobutadiene	ND	0.40	0.40	ug/L	10/06/14	DD	SW8270 (SIM)

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Hexachloroethane	ND	0.50	0.50	ug/L	10/06/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	10/06/14	DD	SW8270 (SIM)
Nitrobenzene	ND	0.10	0.10	ug/L	10/06/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	0.10	ug/L	10/06/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	0.80	ug/L	10/06/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.10	0.10	ug/L	10/06/14	DD	SW8270 (SIM)
QA/QC Surrogates							
% 2,4,6-Tribromophenol	100			%	10/06/14	DD	15 - 110 %
% 2-Fluorobiphenyl	96			%	10/06/14	DD	30 - 115 %
% 2-Fluorophenol	77			%	10/06/14	DD	15 - 110 %
% Nitrobenzene-d5	91			%	10/06/14	DD	23 - 120 %
% Phenol-d5	78			%	10/06/14	DD	15 - 110 %
% Terphenyl-d14	98			%	10/06/14	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.
B = Present in blank, no bias suspected.

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

Comments:

TRIP BLANK INCLUDED 100% SOLID ASSUMED

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 29, 2014
Reviewed and Released by: Tina Covensky

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 29, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	SC	10/02/14	0:00
Location Code:	EBC	Received by:	LB	10/03/14	15:35
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH22955
Phoenix ID: BH22956

Project ID: 26 WEST ST., BROOKLYN
Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/L	10/04/14	MH	SW8260	
1,1,1-Trichloroethane	ND	5.0	0.19	ug/L	10/04/14	MH	SW8260	
1,1,2,2-Tetrachloroethane	ND	1.0	0.15	ug/L	10/04/14	MH	SW8260	
1,1,2-Trichloroethane	ND	1.0	0.20	ug/L	10/04/14	MH	SW8260	
1,1-Dichloroethane	ND	5.0	0.23	ug/L	10/04/14	MH	SW8260	
1,1-Dichloroethene	ND	1.0	0.24	ug/L	10/04/14	MH	SW8260	
1,1-Dichloropropene	ND	1.0	0.20	ug/L	10/04/14	MH	SW8260	
1,2,3-Trichlorobenzene	ND	1.0	0.20	ug/L	10/04/14	MH	SW8260	
1,2,3-Trichloropropane	ND	1.0	0.21	ug/L	10/04/14	MH	SW8260	
1,2,4-Trichlorobenzene	ND	1.0	0.18	ug/L	10/04/14	MH	SW8260	
1,2,4-Trimethylbenzene	ND	1.0	0.18	ug/L	10/04/14	MH	SW8260	
1,2-Dibromo-3-chloropropane	ND	1.0	0.36	ug/L	10/04/14	MH	SW8260	
1,2-Dibromoethane	ND	1.0	0.20	ug/L	10/04/14	MH	SW8260	
1,2-Dichlorobenzene	ND	1.0	0.16	ug/L	10/04/14	MH	SW8260	
1,2-Dichloroethane	ND	0.60	0.20	ug/L	10/04/14	MH	SW8260	
1,2-Dichloropropane	ND	1.0	0.18	ug/L	10/04/14	MH	SW8260	
1,3,5-Trimethylbenzene	ND	1.0	0.21	ug/L	10/04/14	MH	SW8260	
1,3-Dichlorobenzene	ND	1.0	0.19	ug/L	10/04/14	MH	SW8260	
1,3-Dichloropropane	ND	1.0	0.22	ug/L	10/04/14	MH	SW8260	
1,4-Dichlorobenzene	ND	1.0	0.19	ug/L	10/04/14	MH	SW8260	
2,2-Dichloropropane	ND	1.0	0.16	ug/L	10/04/14	MH	SW8260	
2-Chlorotoluene	ND	1.0	0.23	ug/L	10/04/14	MH	SW8260	
2-Hexanone	ND	1.0	0.27	ug/L	10/04/14	MH	SW8260	
2-Isopropyltoluene	ND	1.0	0.21	ug/L	10/04/14	MH	SW8260	1
4-Chlorotoluene	ND	1.0	0.16	ug/L	10/04/14	MH	SW8260	
4-Methyl-2-pentanone	ND	1.0	0.19	ug/L	10/04/14	MH	SW8260	

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Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Acetone	1.1	JBS	5.0	0.31	ug/L	10/04/14	MH	SW8260	B*
Acrolein	ND		5.0	0.95	ug/L	10/04/14	MH	SW8260	
Acrylonitrile	ND		5.0	0.17	ug/L	10/04/14	MH	SW8260	
Benzene	ND		0.70	0.19	ug/L	10/04/14	MH	SW8260	
Bromobenzene	ND		1.0	0.20	ug/L	10/04/14	MH	SW8260	
Bromochloromethane	ND		1.0	0.22	ug/L	10/04/14	MH	SW8260	
Bromodichloromethane	ND		1.0	0.16	ug/L	10/04/14	MH	SW8260	
Bromoform	ND		5.0	0.10	ug/L	10/04/14	MH	SW8260	
Bromomethane	ND		5.0	0.50	ug/L	10/04/14	MH	SW8260	
Carbon Disulfide	ND		1.0	0.24	ug/L	10/04/14	MH	SW8260	
Carbon tetrachloride	ND		1.0	0.23	ug/L	10/04/14	MH	SW8260	
Chlorobenzene	ND		5.0	0.20	ug/L	10/04/14	MH	SW8260	
Chloroethane	ND		5.0	0.24	ug/L	10/04/14	MH	SW8260	
Chloroform	ND		5.0	0.22	ug/L	10/04/14	MH	SW8260	
Chloromethane	ND		5.0	0.21	ug/L	10/04/14	MH	SW8260	
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L	10/04/14	MH	SW8260	
cis-1,3-Dichloropropene	ND		0.40	0.15	ug/L	10/04/14	MH	SW8260	
Dibromochloromethane	ND		1.0	0.15	ug/L	10/04/14	MH	SW8260	
Dibromomethane	ND		1.0	0.23	ug/L	10/04/14	MH	SW8260	
Dichlorodifluoromethane	ND		1.0	0.26	ug/L	10/04/14	MH	SW8260	
Ethylbenzene	ND		1.0	0.19	ug/L	10/04/14	MH	SW8260	
Hexachlorobutadiene	ND		0.5	0.13	ug/L	10/04/14	MH	SW8260	
Isopropylbenzene	ND		1.0	0.22	ug/L	10/04/14	MH	SW8260	
m&p-Xylene	ND		1.0	0.42	ug/L	10/04/14	MH	SW8260	
Methyl ethyl ketone	ND		1.0	0.50	ug/L	10/04/14	MH	SW8260	
Methyl t-butyl ether (MTBE)	ND		1.0	0.19	ug/L	10/04/14	MH	SW8260	
Methylene chloride	ND		3.0	0.16	ug/L	10/04/14	MH	SW8260	B
Naphthalene	ND		1.0	0.19	ug/L	10/04/14	MH	SW8260	
n-Butylbenzene	ND		1.0	0.22	ug/L	10/04/14	MH	SW8260	
n-Propylbenzene	ND		1.0	0.20	ug/L	10/04/14	MH	SW8260	
o-Xylene	ND		1.0	0.45	ug/L	10/04/14	MH	SW8260	
p-Isopropyltoluene	ND		1.0	0.21	ug/L	10/04/14	MH	SW8260	
sec-Butylbenzene	ND		1.0	0.22	ug/L	10/04/14	MH	SW8260	
Styrene	ND		1.0	0.41	ug/L	10/04/14	MH	SW8260	
tert-Butylbenzene	ND		1.0	0.23	ug/L	10/04/14	MH	SW8260	
Tetrachloroethene	ND		1.0	0.24	ug/L	10/04/14	MH	SW8260	
Tetrahydrofuran (THF)	ND		5.0	0.51	ug/L	10/04/14	MH	SW8260	1
Toluene	ND		1.0	0.20	ug/L	10/04/14	MH	SW8260	
trans-1,2-Dichloroethene	ND		5.0	0.20	ug/L	10/04/14	MH	SW8260	
trans-1,3-Dichloropropene	ND		0.40	0.14	ug/L	10/04/14	MH	SW8260	
trans-1,4-dichloro-2-butene	ND		1.0	0.45	ug/L	10/04/14	MH	SW8260	
Trichloroethene	ND		1.0	0.18	ug/L	10/04/14	MH	SW8260	
Trichlorofluoromethane	ND		1.0	0.23	ug/L	10/04/14	MH	SW8260	
Trichlorotrifluoroethane	ND		1.0	0.23	ug/L	10/04/14	MH	SW8260	
Vinyl chloride	ND		1.0	0.14	ug/L	10/04/14	MH	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	101				%	10/04/14	MH	70 - 121 %	
% Bromofluorobenzene	93				%	10/04/14	MH	59 - 113 %	
% Dibromofluoromethane	96				%	10/04/14	MH	70 - 130 %	

Project ID: 26 WEST ST., BROOKLYN

Client ID: TRIP BLANK

Phoenix I.D.: BH22956

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Toluene-d8	99			%	10/04/14	MH	84 - 138 %

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.
B = Present in blank, no bias suspected.

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

Comments:

TRIP BLANK INCLUDED

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

Phyllis Shiller, Laboratory Director

October 29, 2014

Reviewed and Released by: Tina Covensky

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

October 29, 2014

QA/QC Data

SDG I.D.: GBH22955

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 288171, QC Sample No: BH22955 (BH22955)													
ICP Metals - Dissolved													
Aluminum	BRL	0.63	0.66	4.70	90.9	83.4	8.6	77.9	80.4	3.2	80 - 120	20	
Arsenic	BRL	<0.003	<0.004	NC	98.2	93.5	4.9	92.3	92.0	0.3	80 - 120	20	
Barium	BRL	0.027	0.027	NC	98.1	92.4	6.0	88.3	88.5	0.2	80 - 120	20	
Beryllium	BRL	<0.001	<0.001	NC	101	94.6	6.5	92.3	92.4	0.1	80 - 120	20	
Cadmium	BRL	<0.004	<0.001	NC	101	93.8	7.4	88.6	88.9	0.3	80 - 120	20	
Calcium	BRL	34.7	35.7	2.80	99.5	94.3	5.4	NC	NC	NC	80 - 120	20	
Chromium	BRL	0.002	0.002	NC	101	96.3	4.8	91.8	91.1	0.8	80 - 120	20	
Cobalt	BRL	<0.005	<0.001	NC	99.8	94.3	5.7	89.0	89.2	0.2	80 - 120	20	
Copper	BRL	0.001	0.001	NC	96.2	90.3	6.3	87.7	87.2	0.6	80 - 120	20	
Iron	BRL	0.62	0.659	6.10	98.9	94.7	4.3	93.0	92.6	0.4	80 - 120	20	
Lead	BRL	<0.002	<0.002	NC	101	93.7	7.5	88.9	88.4	0.6	80 - 120	20	
Magnesium	BRL	9.35	9.69	3.60	102	96.3	5.7	NC	NC	NC	80 - 120	20	
Manganese	BRL	0.060	0.059	1.70	102	97.5	4.5	92.1	91.8	0.3	80 - 120	20	
Nickel	BRL	0.001	0.001	NC	99.0	93.4	5.8	87.8	87.9	0.1	80 - 120	20	
Potassium	BRL	5.9	6.0	1.70	99.0	97.0	2.0	88.0	88.9	1.0	80 - 120	20	
Silver	BRL	<0.005	<0.001	NC	93.5	87.7	6.4	85.2	84.8	0.5	70 - 130	30	
Sodium	BRL	58.5	64.2	9.30	99.6	94.7	5.0	NC	NC	NC	80 - 120	20	
Vanadium	BRL	0.003	0.003	NC	95.9	90.9	5.4	89.1	88.1	1.1	80 - 120	20	
Zinc	BRL	0.006	0.006	NC	98.2	93.0	5.4	89.8	89.6	0.2	80 - 120	20	
QA/QC Batch 288174, QC Sample No: BH22955 (BH22955)													
Antimony (Dissolved)	BRL	<0.003	<0.005	NC	100	115	14.0	106	110	3.7	75 - 125	20	
Selenium (Dissolved)	BRL	<0.004	<0.011	NC	120	122	1.7	107	136	23.9	75 - 125	20	m,r
Thallium (Dissolved)	BRL	<0.001	<0.005	NC	109	115	5.4	111	108	2.7	75 - 125	20	
QA/QC Batch 288350, QC Sample No: BH23423 (BH22955)													
Mercury (Dissolved)	BRL	<0.0002	<0.0003	NC	106	101	4.8	104	106	1.9	75 - 125	20	

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

PHOENIX
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

October 29, 2014

QA/QC Data

SDG I.D.: GBH22955

QA/QC Batch 288153, QC Sample No: BH20243 (BH22955)

Semivolatiles - Ground Water

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2,4,5-Tetrachlorobenzene	ND	62	63	1.6				30 - 130	20	
1,2,4-Trichlorobenzene	ND	65	66	1.5				30 - 130	20	
1,2-Dichlorobenzene	ND	59	59	0.0				30 - 130	20	
1,2-Diphenylhydrazine	ND	75	69	8.3				30 - 130	20	
1,3-Dichlorobenzene	ND	62	62	0.0				30 - 130	20	
1,4-Dichlorobenzene	ND	61	61	0.0				30 - 130	20	
2,4,5-Trichlorophenol	ND	79	79	0.0				30 - 130	20	
2,4,6-Trichlorophenol	ND	74	76	2.7				30 - 130	20	
2,4-Dichlorophenol	ND	68	68	0.0				30 - 130	20	
2,4-Dimethylphenol	ND	69	69	0.0				30 - 130	20	
2,4-Dinitrophenol	ND	143	143	0.0				30 - 130	20	I
2,4-Dinitrotoluene	ND	84	84	0.0				30 - 130	20	
2,6-Dinitrotoluene	ND	74	74	0.0				30 - 130	20	
2-Chloronaphthalene	ND	59	58	1.7				30 - 130	20	
2-Chlorophenol	ND	64	65	1.6				30 - 130	20	
2-Methylnaphthalene	ND	64	64	0.0				30 - 130	20	
2-Methylphenol (o-cresol)	ND	67	66	1.5				30 - 130	20	
2-Nitroaniline	ND	108	107	0.9				30 - 130	20	
2-Nitrophenol	ND	75	75	0.0				30 - 130	20	
3&4-Methylphenol (m&p-cresol)	ND	78	78	0.0				30 - 130	20	
3,3'-Dichlorobenzidine	ND	41	39	5.0				30 - 130	20	
3-Nitroaniline	ND	85	83	2.4				30 - 130	20	
4,6-Dinitro-2-methylphenol	ND	111	108	2.7				30 - 130	20	
4-Bromophenyl phenyl ether	ND	66	66	0.0				30 - 130	20	
4-Chloro-3-methylphenol	ND	79	80	1.3				30 - 130	20	
4-Chloroaniline	ND	67	66	1.5				30 - 130	20	
4-Chlorophenyl phenyl ether	ND	73	74	1.4				30 - 130	20	
4-Nitroaniline	ND	83	84	1.2				30 - 130	20	
4-Nitrophenol	ND	92	92	0.0				30 - 130	20	
Acenaphthene	ND	66	67	1.5				30 - 130	20	
Acenaphthylene	ND	62	62	0.0				30 - 130	20	
Acetophenone	ND	73	73	0.0				30 - 130	20	
Aniline	ND	57	58	1.7				30 - 130	20	
Anthracene	ND	63	63	0.0				30 - 130	20	
Benz(a)anthracene	ND	69	68	1.5				30 - 130	20	
Benzidine	ND	39	31	22.9				30 - 130	20	r
Benzo(a)pyrene	ND	62	61	1.6				30 - 130	20	
Benzo(b)fluoranthene	ND	68	66	3.0				30 - 130	20	
Benzo(ghi)perylene	ND	76	77	1.3				30 - 130	20	
Benzo(k)fluoranthene	ND	60	60	0.0				30 - 130	20	
Benzoic acid	ND	72	77	6.7				30 - 130	20	

QA/QC Data

SDG I.D.: GBH22955

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Benzyl butyl phthalate	ND	73	74	1.4				30 - 130	20
Bis(2-chloroethoxy)methane	ND	69	69	0.0				30 - 130	20
Bis(2-chloroethyl)ether	ND	57	56	1.8				30 - 130	20
Bis(2-chloroisopropyl)ether	ND	56	56	0.0				30 - 130	20
Bis(2-ethylhexyl)phthalate	ND	67	67	0.0				30 - 130	20
Carbazole	ND	70	68	2.9				30 - 130	20
Chrysene	ND	70	70	0.0				30 - 130	20
Dibenz(a,h)anthracene	ND	73	75	2.7				30 - 130	20
Dibenzofuran	ND	69	70	1.4				30 - 130	20
Diethyl phthalate	ND	73	74	1.4				30 - 130	20
Dimethylphthalate	ND	72	73	1.4				30 - 130	20
Di-n-butylphthalate	ND	67	66	1.5				30 - 130	20
Di-n-octylphthalate	ND	68	68	0.0				30 - 130	20
Fluoranthene	ND	64	63	1.6				30 - 130	20
Fluorene	ND	70	71	1.4				30 - 130	20
Hexachlorobenzene	ND	67	67	0.0				30 - 130	20
Hexachlorobutadiene	ND	60	60	0.0				30 - 130	20
Hexachlorocyclopentadiene	ND	52	51	1.9				30 - 130	20
Hexachloroethane	ND	65	66	1.5				30 - 130	20
Indeno(1,2,3-cd)pyrene	ND	73	74	1.4				30 - 130	20
Isophorone	ND	67	68	1.5				30 - 130	20
Naphthalene	ND	60	61	1.7				30 - 130	20
Nitrobenzene	ND	71	71	0.0				30 - 130	20
N-Nitrosodimethylamine	ND	62	63	1.6				30 - 130	20
N-Nitrosodi-n-propylamine	ND	81	80	1.2				30 - 130	20
N-Nitrosodiphenylamine	ND	74	74	0.0				30 - 130	20
Pentachloronitrobenzene	ND	68	68	0.0				30 - 130	20
Pentachlorophenol	ND	80	81	1.2				30 - 130	20
Phenanthrene	ND	65	63	3.1				30 - 130	20
Phenol	ND	59	60	1.7				30 - 130	20
Pyrene	ND	63	62	1.6				30 - 130	20
Pyridine	ND	42	43	2.4				30 - 130	20
% 2,4,6-Tribromophenol	91	70	70	0.0				30 - 130	20
% 2-Fluorobiphenyl	94	64	64	0.0				30 - 130	20
% 2-Fluorophenol	85	55	56	1.8				30 - 130	20
% Nitrobenzene-d5	93	72	72	0.0				30 - 130	20
% Phenol-d5	88	58	57	1.7				30 - 130	20
% Terphenyl-d14	100	66	65	1.5				30 - 137	20

QA/QC Batch 288272, QC Sample No: BH21308 (BH22955, BH22956)

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	91	97	6.4	96			70 - 130	30
1,1,1-Trichloroethane	ND	88	90	2.2	96			70 - 130	30
1,1,2,2-Tetrachloroethane	ND	94	99	5.2	97			70 - 130	30
1,1,2-Trichloroethane	ND	92	96	4.3	100			70 - 130	30
1,1-Dichloroethane	ND	85	88	3.5	95			70 - 130	30
1,1-Dichloroethene	ND	96	99	3.1	104			70 - 130	30
1,1-Dichloropropene	ND	90	95	5.4	96			70 - 130	30
1,2,3-Trichlorobenzene	ND	82	86	4.8	80			70 - 130	30
1,2,3-Trichloropropane	ND	89	96	7.6	96			70 - 130	30
1,2,4-Trichlorobenzene	ND	84	88	4.7	83			70 - 130	30
1,2,4-Trimethylbenzene	ND	82	89	8.2	90			70 - 130	30
1,2-Dibromo-3-chloropropane	ND	85	89	4.6	85			70 - 130	30

QA/QC Data

SDG I.D.: GBH22955

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2-Dibromoethane	ND	92	97	5.3	98			70 - 130	30	
1,2-Dichlorobenzene	ND	88	93	5.5	92			70 - 130	30	
1,2-Dichloroethane	ND	91	93	2.2	94			70 - 130	30	
1,2-Dichloropropane	ND	88	90	2.2	94			70 - 130	30	
1,3,5-Trimethylbenzene	ND	85	92	7.9	92			70 - 130	30	
1,3-Dichlorobenzene	ND	87	95	8.8	93			70 - 130	30	
1,3-Dichloropropane	ND	89	93	4.4	96			70 - 130	30	
1,4-Dichlorobenzene	ND	86	93	7.8	92			70 - 130	30	
2,2-Dichloropropane	ND	91	93	2.2	69			70 - 130	30	m
2-Chlorotoluene	ND	87	94	7.7	94			70 - 130	30	
2-Hexanone	ND	83	87	4.7	90			70 - 130	30	
2-Isopropyltoluene	ND	87	95	8.8	92			70 - 130	30	
4-Chlorotoluene	ND	85	93	9.0	92			70 - 130	30	
4-Methyl-2-pentanone	ND	93	98	5.2	106			70 - 130	30	
Acetone	1.2 JBS	82	88	7.1	86			70 - 130	30	
Acrolein	ND	61	62	1.6	60			70 - 130	30	l,m
Acrylonitrile	ND	98	101	3.0	102			70 - 130	30	
Benzene	ND	89	92	3.3	95			70 - 130	30	
Bromobenzene	ND	91	98	7.4	94			70 - 130	30	
Bromochloromethane	ND	93	96	3.2	99			70 - 130	30	
Bromodichloromethane	ND	89	92	3.3	91			70 - 130	30	
Bromoform	ND	88	94	6.6	88			70 - 130	30	
Bromomethane	ND	73	80	9.2	38			70 - 130	30	m
Carbon Disulfide	ND	95	99	4.1	101			70 - 130	30	
Carbon tetrachloride	ND	88	91	3.4	92			70 - 130	30	
Chlorobenzene	ND	88	94	6.6	96			70 - 130	30	
Chloroethane	ND	97	102	5.0	103			70 - 130	30	
Chloroform	ND	86	89	3.4	95			70 - 130	30	
Chloromethane	ND	81	82	1.2	85			70 - 130	30	
cis-1,2-Dichloroethene	ND	86	91	5.6	95			70 - 130	30	
cis-1,3-Dichloropropene	ND	92	94	2.2	88			70 - 130	30	
Dibromochloromethane	ND	91	95	4.3	94			70 - 130	30	
Dibromomethane	ND	92	95	3.2	100			70 - 130	30	
Dichlorodifluoromethane	ND	98	102	4.0	88			70 - 130	30	
Ethylbenzene	ND	91	96	5.3	97			70 - 130	30	
Hexachlorobutadiene	ND	85	89	4.6	80			70 - 130	30	
Isopropylbenzene	ND	85	94	10.1	94			70 - 130	30	
m&p-Xylene	ND	89	93	4.4	97			70 - 130	30	
Methyl ethyl ketone	ND	81	87	7.1	92			70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	96	99	3.1	92			70 - 130	30	
Methylene chloride	0.45 JBS	93	95	2.1	87			70 - 130	30	
Naphthalene	ND	87	94	7.7	87			70 - 130	30	
n-Butylbenzene	ND	83	89	7.0	89			70 - 130	30	
n-Propylbenzene	ND	82	89	8.2	93			70 - 130	30	
o-Xylene	ND	87	93	6.7	95			70 - 130	30	
p-Isopropyltoluene	ND	86	92	6.7	90			70 - 130	30	
sec-Butylbenzene	ND	86	94	8.9	92			70 - 130	30	
Styrene	ND	88	93	5.5	95			70 - 130	30	
tert-Butylbenzene	ND	86	93	7.8	93			70 - 130	30	
Tetrachloroethene	ND	95	99	4.1	98			70 - 130	30	
Tetrahydrofuran (THF)	ND	90	88	2.2	92			70 - 130	30	
Toluene	ND	90	93	3.3	96			70 - 130	30	
trans-1,2-Dichloroethene	ND	91	93	2.2	97			70 - 130	30	

QA/QC Data

SDG I.D.: GBH22955

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
trans-1,3-Dichloropropene	ND	94	98	4.2	88			70 - 130	30	
trans-1,4-dichloro-2-butene	ND	80	86	7.2	58			70 - 130	30	m
Trichloroethene	ND	93	96	3.2	99			70 - 130	30	
Trichlorofluoromethane	ND	95	97	2.1	105			70 - 130	30	
Trichlorotrifluoroethane	ND	97	99	2.0	101			70 - 130	30	
Vinyl chloride	ND	89	95	6.5	98			70 - 130	30	
% 1,2-dichlorobenzene-d4	99	98	100	2.0	99			70 - 121	30	
% Bromofluorobenzene	93	98	98	0.0	96			59 - 113	30	
% Dibromofluoromethane	99	102	98	4.0	102			70 - 130	30	
% Toluene-d8	100	99	99	0.0	99			84 - 138	30	

Comment:

The MSD is not reported for this batch.

QA/QC Batch 288186, QC Sample No: BH22955 (BH22955)

Pesticides - Ground Water

4,4' -DDD	ND	96	99	3.1				30 - 150	20	
4,4' -DDE	ND	91	92	1.1				50 - 150	20	
4,4' -DDT	ND	98	96	2.1				30 - 150	27	
a-BHC	ND	88	87	1.1				30 - 150	20	
a-Chlordane	ND	90	92	2.2				30 - 150	20	
Alachlor	ND	NA	NA	NC				30 - 150	20	
Aldrin	ND	42	26	47.1				30 - 150	22	l,r
b-BHC	ND	92	92	0.0				30 - 150	20	
Chlordane	ND	92	93	1.1				30 - 150	20	
d-BHC	ND	84	84	0.0				30 - 150	20	
Dieldrin	ND	96	99	3.1				30 - 150	20	
Endosulfan I	ND	93	93	0.0				30 - 150	20	
Endosulfan II	ND	97	98	1.0				30 - 150	20	
Endosulfan sulfate	ND	89	90	1.1				50 - 150	20	
Endrin	ND	99	103	4.0				50 - 150	21	
Endrin aldehyde	ND	105	105	0.0				30 - 150	20	
Endrin ketone	ND	103	103	0.0				30 - 150	20	
g-BHC	ND	99	99	0.0				50 - 150	20	
g-Chlordane	ND	92	93	1.1				30 - 150	20	
Heptachlor	ND	89	90	1.1				30 - 150	20	
Heptachlor epoxide	ND	93	93	0.0				50 - 150	20	
Methoxychlor	ND	102	102	0.0				30 - 150	20	
Toxaphene	ND	NA	NA	NC				30 - 150	20	
% DCBP	83	93	92	1.1				30 - 150	20	
% TCMX	82	87	85	2.3				30 - 150	20	

Comment:

Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane. Gamma chlordane recovery is reported in the LCS, LCSD, MS and MSD.

QA/QC Batch 288187, QC Sample No: BH22955 (BH22955)

Polychlorinated Biphenyls - Ground Water

PCB-1016	ND	101	104	2.9				30 - 120	20	
PCB-1221	ND							30 - 150	20	
PCB-1232	ND							30 - 150	20	
PCB-1242	ND							30 - 150	20	
PCB-1248	ND							30 - 150	20	
PCB-1254	ND							30 - 150	20	
PCB-1260	ND	98	100	2.0				30 - 150	20	
PCB-1262	ND							30 - 150	20	

QA/QC Data

SDG I.D.: GBH22955

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
PCB-1268	ND							30 - 150	20	
% DCBP (Surrogate Rec)	91	64	89	32.7				30 - 150	20	r
% TCMX (Surrogate Rec)	90	82	89	8.2				30 - 150	20	

Comment:

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

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 29, 2014

Sample Criteria Exceedences Report

GBH22955 - EBC

Criteria: NY: GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH22955	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BH22955	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BH22955	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BH22955	$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH22955	$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.02	0.02	0.002	0.002	ug/L
BH22955	$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH22955	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH22955	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH22955	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH22955	$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.02	0.02	0.002	0.002	ug/L
BH22955	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BH22955	$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BH22955	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BH22955	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BH22955	$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.06	0.06	ug/L
BH22955	D-AL	Aluminum (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.63	0.01	0.1	0.1	mg/L
BH22955	DFE-WMDP	Iron, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.62	0.01	0.3	0.3	mg/L
BH22955	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	58.5	1.1	20	20	mg/L
BH22955	DTL-WMDP	Thallium , (Dissolved)	NY / TOGS - Water Quality / GA Criteria	BRL	0.001	0.0005	0.0005	mg/L
BH22956	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BH22956	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BH22956	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	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.
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Tel. (860) 645-1102 Fax (860) 645-0823

NY Temperature Narration

October 29, 2014

SDG I.D.: GBH22955

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

Cooler: Yes [✓] No [ ]
Coolant [✓] IPK [ ] ICE [ ] No [ ]
Temp °C Pg 1 of 1

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Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

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

Contact Options:
[ ] Fax:
[■] Phone: (631) 504-6000
[■] Email: Csosik@ebcincny.com

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

Project: 26 West st. Brooklyn
Report to: Environmental Business Consultants
Invoice to: Environmental Business Consultants

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Sunny Chen Date: 10-2-14

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

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs 8260	SVOCs 8270	Pesticides/PCBs	Dissolved TAL Metals	+	+	+	+	x	+	+	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [X] HCl	GL Amber 1000ml [X] As is	PL As is [X] 250ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
22955	MW3	GW	10-2	1300	X	X	X	X											3	3	1				
22956	Trip Blank				X														2						

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	10/3/14	0830
[signature]		10/3/14	1535

Comments, Special Requirements or Regulations:

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

NJ
[ ] Res. Criteria
[ ] Non-Res. Criteria
[ ] Impact to GW Soil Cleanup Criteria
[ ] GW Criteria

NY
[ ] TAGM 4046 GW
[■] TOGS GA GW
[ ] NY375 Unrestricted Use Soil
[ ] NY375 Residential
[ ] Restricted/Residential
[ ] Commercial
[ ] Industrial

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

Data Package
[ ] NJ Reduced Deliv. *
[■] NY Enhanced (ASP B) *
[ ] Other

State where samples were collected: NY

PHOENIX
Environmental Laboratories, Inc.

Monday, October 27, 2014

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

Project ID: 26 WEST ST., BROOKLYN
Sample ID#s: BH22463 - BH22472

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.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

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

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NY # 11301

SDG Comments

October 27, 2014

SDG I.D.: GBH22463

Version 1: Analysis results minus QC and forms.

Version 2: Complete report with QC and forms.

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

Environmental Laboratories, Inc.
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY ANALYTICAL SERVICES PROTOCOL DATA PACKAGE

Client: Environmental Business Consultants

Project: 26 WEST ST., BROOKLYN

Laboratory Project: GBH22463

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Analytical Services Protocol Format

October 27, 2014 **SDG I.D.: GBH22463**

Environmental Business Consultants 26 WEST ST., BROOKLYN

Methodology Summary

Mercury Prep

Soil Sample - USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 7471B.

Metals

ICP :
USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 6010C.
Mercury:
USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods Update III, 7471

Pesticides:

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8081B.

Polychlorinated Biphenyls (PCBs):

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8082A.

Semivolatile Organic Compounds

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8270D.

Volatile Organics

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed.Update III, Method 8260C.

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NY Analytical Services Protocol Format

October 27, 2014 **SDG I.D.: GBH22463**

Environmental Business Consultants 26 WEST ST., BROOKLYN

Sample Id Cross Reference

Client Id	Lab Id	Matrix
B6 0-2 FT	BH22463	SOIL
B6 11-13 FT	BH22464	SOIL
B8 0-2 FT	BH22465	SOIL
B8 11-13 FT	BH22466	SOIL
B7 0-2 FT	BH22467	SOIL
B7 11-13 FT	BH22468	SOIL
B5 0-2 FT	BH22469	SOIL
B5 11-13 FT	BH22470	SOIL
HIGH TRIP BLANK	BH22471	SOIL
LOW TRIP BLANK	BH22472	SOIL

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NY Analytical Services Protocol Format

October 27, 2014 **SDG I.D.: GBH22463**

Environmental Business Consultants 26 WEST ST., BROOKLYN

Laboratory Chronicle

The samples in this delivery group were received at 4°C.

Sample	Analysis	Collection Date	Extraction Date	Analysis Date	Analyst	Hold Time Met
BH22463	Aluminum	10/01/14	10/02/14	10/06/14	LK	Y
BH22463	Antimony	10/01/14	10/02/14	10/06/14	LK	Y
BH22463	Arsenic	10/01/14	10/02/14	10/06/14	LK	Y
BH22463	Barium	10/01/14	10/02/14	10/06/14	LK	Y
BH22463	Beryllium	10/01/14	10/02/14	10/06/14	LK	Y
BH22463	Cadmium	10/01/14	10/02/14	10/06/14	LK	Y
BH22463	Calcium	10/01/14	10/02/14	10/06/14	LK	Y
BH22463	Chromium	10/01/14	10/02/14	10/06/14	LK	Y
BH22463	Cobalt	10/01/14	10/02/14	10/06/14	LK	Y
BH22463	Copper	10/01/14	10/02/14	10/06/14	LK	Y
BH22463	Iron	10/01/14	10/02/14	10/06/14	LK	Y
BH22463	Lead	10/01/14	10/02/14	10/06/14	LK	Y
BH22463	Magnesium	10/01/14	10/02/14	10/06/14	LK	Y
BH22463	Manganese	10/01/14	10/02/14	10/06/14	LK	Y
BH22463	Mercury	10/01/14	10/03/14	10/03/14	RS	Y
BH22463	Nickel	10/01/14	10/02/14	10/06/14	LK	Y
BH22463	Pesticides - Soil	10/01/14	10/02/14	10/04/14	CE	Y
BH22463	Polychlorinated Biphenyls	10/01/14	10/02/14	10/03/14	AW	Y
BH22463	Potassium	10/01/14	10/02/14	10/06/14	LK	Y
BH22463	Selenium	10/01/14	10/02/14	10/06/14	LK	Y
BH22463	Semivolatiles	10/01/14	10/02/14	10/03/14	DD	Y
BH22463	Silver	10/01/14	10/02/14	10/06/14	LK	Y
BH22463	Sodium	10/01/14	10/02/14	10/06/14	LK	Y
BH22463	Thallium	10/01/14	10/02/14	10/06/14	LK	Y
BH22463	Vanadium	10/01/14	10/02/14	10/06/14	LK	Y
BH22463	Volatiles	10/01/14	10/04/14	10/04/14	JLI	Y
BH22463	Zinc	10/01/14	10/02/14	10/06/14	LK	Y
BH22464	Aluminum	10/01/14	10/02/14	10/06/14	LK	Y
BH22464	Antimony	10/01/14	10/02/14	10/06/14	LK	Y
BH22464	Arsenic	10/01/14	10/02/14	10/06/14	LK	Y
BH22464	Barium	10/01/14	10/02/14	10/06/14	LK	Y
BH22464	Beryllium	10/01/14	10/02/14	10/06/14	LK	Y

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NY Analytical Services Protocol Format

October 27, 2014 **SDG I.D.: GBH22463**

Environmental Business Consultants 26 WEST ST., BROOKLYN

BH22464	Cadmium	10/01/14	10/02/14	10/06/14	LK	Y
BH22464	Calcium	10/01/14	10/02/14	10/06/14	LK	Y
BH22464	Chromium	10/01/14	10/02/14	10/06/14	LK	Y
BH22464	Cobalt	10/01/14	10/02/14	10/06/14	LK	Y
BH22464	Copper	10/01/14	10/02/14	10/06/14	LK	Y
BH22464	Iron	10/01/14	10/02/14	10/06/14	LK	Y
BH22464	Lead	10/01/14	10/02/14	10/06/14	LK	Y
BH22464	Magnesium	10/01/14	10/02/14	10/06/14	LK	Y
BH22464	Manganese	10/01/14	10/02/14	10/06/14	LK	Y
BH22464	Mercury	10/01/14	10/03/14	10/03/14	RS	Y
BH22464	Nickel	10/01/14	10/02/14	10/06/14	LK	Y
BH22464	Pesticides - Soil	10/01/14	10/02/14	10/03/14	CE	Y
BH22464	Polychlorinated Biphenyls	10/01/14	10/02/14	10/03/14	AW	Y
BH22464	Potassium	10/01/14	10/02/14	10/06/14	LK	Y
BH22464	Selenium	10/01/14	10/02/14	10/06/14	LK	Y
BH22464	Semivolatiles	10/01/14	10/02/14	10/03/14	DD	Y
BH22464	Silver	10/01/14	10/02/14	10/06/14	LK	Y
BH22464	Sodium	10/01/14	10/02/14	10/06/14	LK	Y
BH22464	Thallium	10/01/14	10/02/14	10/06/14	LK	Y
BH22464	Vanadium	10/01/14	10/02/14	10/06/14	LK	Y
BH22464	Volatiles	10/01/14	10/04/14	10/04/14	JLI	Y
BH22464	Zinc	10/01/14	10/02/14	10/06/14	LK	Y
BH22465	Aluminum	10/01/14	10/02/14	10/06/14	LK	Y
BH22465	Antimony	10/01/14	10/02/14	10/06/14	LK	Y
BH22465	Arsenic	10/01/14	10/02/14	10/06/14	LK	Y
BH22465	Barium	10/01/14	10/02/14	10/06/14	LK	Y
BH22465	Beryllium	10/01/14	10/02/14	10/06/14	LK	Y
BH22465	Cadmium	10/01/14	10/02/14	10/06/14	LK	Y
BH22465	Calcium	10/01/14	10/02/14	10/06/14	LK	Y
BH22465	Chromium	10/01/14	10/02/14	10/06/14	LK	Y
BH22465	Cobalt	10/01/14	10/02/14	10/06/14	LK	Y
BH22465	Copper	10/01/14	10/02/14	10/06/14	LK	Y
BH22465	Iron	10/01/14	10/02/14	10/06/14	LK	Y
BH22465	Lead	10/01/14	10/02/14	10/06/14	LK	Y
BH22465	Magnesium	10/01/14	10/02/14	10/06/14	LK	Y
BH22465	Manganese	10/01/14	10/02/14	10/06/14	LK	Y
BH22465	Mercury	10/01/14	10/03/14	10/03/14	RS	Y

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NY Analytical Services Protocol Format

October 27, 2014 **SDG I.D.: GBH22463**

Environmental Business Consultants 26 WEST ST., BROOKLYN

BH22465	Nickel	10/01/14	10/02/14	10/06/14	LK	Y
BH22465	Pesticides - Soil	10/01/14	10/02/14	10/03/14	CE	Y
BH22465	Polychlorinated Biphenyls	10/01/14	10/02/14	10/03/14	AW	Y
BH22465	Potassium	10/01/14	10/02/14	10/06/14	LK	Y
BH22465	Selenium	10/01/14	10/02/14	10/06/14	LK	Y
BH22465	Semivolatiles	10/01/14	10/02/14	10/03/14	DD	Y
BH22465	Silver	10/01/14	10/02/14	10/06/14	LK	Y
BH22465	Sodium	10/01/14	10/02/14	10/06/14	LK	Y
BH22465	Thallium	10/01/14	10/02/14	10/06/14	LK	Y
BH22465	Vanadium	10/01/14	10/02/14	10/06/14	LK	Y
BH22465	Volatiles	10/01/14	10/04/14	10/04/14	JLI	Y
BH22465	Zinc	10/01/14	10/02/14	10/06/14	LK	Y
BH22466	Aluminum	10/01/14	10/02/14	10/06/14	LK	Y
BH22466	Antimony	10/01/14	10/02/14	10/06/14	LK	Y
BH22466	Arsenic	10/01/14	10/02/14	10/06/14	LK	Y
BH22466	Barium	10/01/14	10/02/14	10/06/14	LK	Y
BH22466	Beryllium	10/01/14	10/02/14	10/06/14	LK	Y
BH22466	Cadmium	10/01/14	10/02/14	10/06/14	LK	Y
BH22466	Calcium	10/01/14	10/02/14	10/06/14	LK	Y
BH22466	Chromium	10/01/14	10/02/14	10/06/14	LK	Y
BH22466	Cobalt	10/01/14	10/02/14	10/06/14	LK	Y
BH22466	Copper	10/01/14	10/02/14	10/06/14	LK	Y
BH22466	Iron	10/01/14	10/02/14	10/06/14	LK	Y
BH22466	Lead	10/01/14	10/02/14	10/06/14	LK	Y
BH22466	Magnesium	10/01/14	10/02/14	10/06/14	LK	Y
BH22466	Manganese	10/01/14	10/02/14	10/06/14	LK	Y
BH22466	Mercury	10/01/14	10/03/14	10/03/14	RS	Y
BH22466	Nickel	10/01/14	10/02/14	10/06/14	LK	Y
BH22466	Pesticides - Soil	10/01/14	10/02/14	10/03/14	CE	Y
BH22466	Polychlorinated Biphenyls	10/01/14	10/02/14	10/03/14	AW	Y
BH22466	Potassium	10/01/14	10/02/14	10/06/14	LK	Y
BH22466	Selenium	10/01/14	10/02/14	10/06/14	LK	Y
BH22466	Semivolatiles	10/01/14	10/02/14	10/03/14	DD	Y
BH22466	Silver	10/01/14	10/02/14	10/06/14	LK	Y
BH22466	Sodium	10/01/14	10/02/14	10/06/14	LK	Y
BH22466	Thallium	10/01/14	10/02/14	10/06/14	LK	Y
BH22466	Vanadium	10/01/14	10/02/14	10/06/14	LK	Y

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NY Analytical Services Protocol Format

October 27, 2014 **SDG I.D.: GBH22463**

Environmental Business Consultants 26 WEST ST., BROOKLYN

BH22466	Volatiles	10/01/14	10/04/14	10/04/14	JLI	Y
BH22466	Zinc	10/01/14	10/02/14	10/06/14	LK	Y
BH22467	Aluminum	10/01/14	10/02/14	10/06/14	LK	Y
BH22467	Antimony	10/01/14	10/02/14	10/06/14	LK	Y
BH22467	Arsenic	10/01/14	10/02/14	10/06/14	LK	Y
BH22467	Barium	10/01/14	10/02/14	10/06/14	LK	Y
BH22467	Beryllium	10/01/14	10/02/14	10/06/14	LK	Y
BH22467	Cadmium	10/01/14	10/02/14	10/06/14	LK	Y
BH22467	Calcium	10/01/14	10/02/14	10/06/14	LK	Y
BH22467	Chromium	10/01/14	10/02/14	10/06/14	LK	Y
BH22467	Cobalt	10/01/14	10/02/14	10/06/14	LK	Y
BH22467	Copper	10/01/14	10/02/14	10/06/14	LK	Y
BH22467	Iron	10/01/14	10/02/14	10/06/14	LK	Y
BH22467	Lead	10/01/14	10/02/14	10/06/14	LK	Y
BH22467	Magnesium	10/01/14	10/02/14	10/06/14	LK	Y
BH22467	Manganese	10/01/14	10/02/14	10/06/14	LK	Y
BH22467	Mercury	10/01/14	10/03/14	10/03/14	RS	Y
BH22467	Nickel	10/01/14	10/02/14	10/06/14	LK	Y
BH22467	Pesticides - Soil	10/01/14	10/02/14	10/03/14	CE	Y
BH22467	Polychlorinated Biphenyls	10/01/14	10/02/14	10/03/14	AW	Y
BH22467	Potassium	10/01/14	10/02/14	10/06/14	LK	Y
BH22467	Selenium	10/01/14	10/02/14	10/06/14	LK	Y
BH22467	Semivolatiles	10/01/14	10/02/14	10/03/14	DD	Y
BH22467	Silver	10/01/14	10/02/14	10/06/14	LK	Y
BH22467	Sodium	10/01/14	10/02/14	10/06/14	LK	Y
BH22467	Thallium	10/01/14	10/02/14	10/06/14	LK	Y
BH22467	Vanadium	10/01/14	10/02/14	10/06/14	LK	Y
BH22467	Volatiles	10/01/14	10/04/14	10/04/14	JLI	Y
BH22467	Zinc	10/01/14	10/02/14	10/06/14	LK	Y
BH22468	Aluminum	10/01/14	10/02/14	10/06/14	LK	Y
BH22468	Antimony	10/01/14	10/02/14	10/06/14	LK	Y
BH22468	Arsenic	10/01/14	10/02/14	10/06/14	LK	Y
BH22468	Barium	10/01/14	10/02/14	10/06/14	LK	Y
BH22468	Beryllium	10/01/14	10/02/14	10/06/14	LK	Y
BH22468	Cadmium	10/01/14	10/02/14	10/06/14	LK	Y
BH22468	Calcium	10/01/14	10/02/14	10/06/14	LK	Y
BH22468	Chromium	10/01/14	10/02/14	10/06/14	LK	Y

PHOENIX

Environmental Laboratories, Inc.
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NY Analytical Services Protocol Format

October 27, 2014 **SDG I.D.: GBH22463**

Environmental Business Consultants 26 WEST ST., BROOKLYN

BH22468	Cobalt	10/01/14	10/02/14	10/06/14	LK	Y
BH22468	Copper	10/01/14	10/02/14	10/06/14	LK	Y
BH22468	Iron	10/01/14	10/02/14	10/06/14	LK	Y
BH22468	Lead	10/01/14	10/02/14	10/06/14	LK	Y
BH22468	Magnesium	10/01/14	10/02/14	10/06/14	LK	Y
BH22468	Manganese	10/01/14	10/02/14	10/06/14	LK	Y
BH22468	Mercury	10/01/14	10/03/14	10/03/14	RS	Y
BH22468	Nickel	10/01/14	10/02/14	10/06/14	LK	Y
BH22468	Pesticides - Soil	10/01/14	10/02/14	10/03/14	CE	Y
BH22468	Polychlorinated Biphenyls	10/01/14	10/02/14	10/03/14	AW	Y
BH22468	Potassium	10/01/14	10/02/14	10/06/14	LK	Y
BH22468	Selenium	10/01/14	10/02/14	10/06/14	LK	Y
BH22468	Semivolatiles	10/01/14	10/02/14	10/03/14	DD	Y
BH22468	Silver	10/01/14	10/02/14	10/06/14	LK	Y
BH22468	Sodium	10/01/14	10/02/14	10/06/14	LK	Y
BH22468	Thallium	10/01/14	10/02/14	10/06/14	LK	Y
BH22468	Vanadium	10/01/14	10/02/14	10/06/14	LK	Y
BH22468	Volatiles	10/01/14	10/04/14	10/04/14	JLI	Y
BH22468	Zinc	10/01/14	10/02/14	10/06/14	LK	Y
BH22469	Aluminum	10/01/14	10/02/14	10/06/14	LK	Y
BH22469	Antimony	10/01/14	10/02/14	10/06/14	LK	Y
BH22469	Arsenic	10/01/14	10/02/14	10/06/14	LK	Y
BH22469	Barium	10/01/14	10/02/14	10/06/14	LK	Y
BH22469	Beryllium	10/01/14	10/02/14	10/06/14	LK	Y
BH22469	Cadmium	10/01/14	10/02/14	10/06/14	LK	Y
BH22469	Calcium	10/01/14	10/02/14	10/06/14	LK	Y
BH22469	Chromium	10/01/14	10/02/14	10/06/14	LK	Y
BH22469	Cobalt	10/01/14	10/02/14	10/06/14	LK	Y
BH22469	Copper	10/01/14	10/02/14	10/06/14	LK	Y
BH22469	Iron	10/01/14	10/02/14	10/06/14	LK	Y
BH22469	Lead	10/01/14	10/02/14	10/06/14	LK	Y
BH22469	Magnesium	10/01/14	10/02/14	10/06/14	LK	Y
BH22469	Manganese	10/01/14	10/02/14	10/06/14	LK	Y
BH22469	Mercury	10/01/14	10/03/14	10/03/14	RS	Y
BH22469	Nickel	10/01/14	10/02/14	10/06/14	LK	Y
BH22469	Pesticides - Soil	10/01/14	10/02/14	10/04/14	CE	Y
BH22469	Polychlorinated Biphenyls	10/01/14	10/02/14	10/03/14	AW	Y

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Environmental Business Consultants 26 WEST ST., BROOKLYN

BH22469	Potassium	10/01/14	10/02/14	10/06/14	LK	Y
BH22469	Selenium	10/01/14	10/02/14	10/06/14	LK	Y
BH22469	Semivolatiles	10/01/14	10/02/14	10/03/14	DD	Y
BH22469	Silver	10/01/14	10/02/14	10/06/14	LK	Y
BH22469	Sodium	10/01/14	10/02/14	10/06/14	LK	Y
BH22469	Thallium	10/01/14	10/02/14	10/06/14	LK	Y
BH22469	Vanadium	10/01/14	10/02/14	10/06/14	LK	Y
BH22469	Volatiles	10/01/14	10/06/14	10/06/14	JLI	Y
BH22469	Zinc	10/01/14	10/02/14	10/06/14	LK	Y
BH22470	Aluminum	10/01/14	10/02/14	10/06/14	LK	Y
BH22470	Antimony	10/01/14	10/02/14	10/06/14	LK	Y
BH22470	Arsenic	10/01/14	10/02/14	10/06/14	LK	Y
BH22470	Barium	10/01/14	10/02/14	10/06/14	LK	Y
BH22470	Beryllium	10/01/14	10/02/14	10/06/14	LK	Y
BH22470	Cadmium	10/01/14	10/02/14	10/06/14	LK	Y
BH22470	Calcium	10/01/14	10/02/14	10/06/14	LK	Y
BH22470	Chromium	10/01/14	10/02/14	10/06/14	LK	Y
BH22470	Cobalt	10/01/14	10/02/14	10/06/14	LK	Y
BH22470	Copper	10/01/14	10/02/14	10/06/14	LK	Y
BH22470	Iron	10/01/14	10/02/14	10/06/14	LK	Y
BH22470	Lead	10/01/14	10/02/14	10/06/14	LK	Y
BH22470	Magnesium	10/01/14	10/02/14	10/06/14	LK	Y
BH22470	Manganese	10/01/14	10/02/14	10/06/14	LK	Y
BH22470	Mercury	10/01/14	10/03/14	10/03/14	RS	Y
BH22470	Nickel	10/01/14	10/02/14	10/06/14	LK	Y
BH22470	Pesticides - Soil	10/01/14	10/02/14	10/04/14	CE	Y
BH22470	Polychlorinated Biphenyls	10/01/14	10/02/14	10/03/14	AW	Y
BH22470	Potassium	10/01/14	10/02/14	10/06/14	LK	Y
BH22470	Selenium	10/01/14	10/02/14	10/06/14	LK	Y
BH22470	Semivolatiles	10/01/14	10/02/14	10/03/14	DD	Y
BH22470	Silver	10/01/14	10/02/14	10/06/14	LK	Y
BH22470	Sodium	10/01/14	10/02/14	10/06/14	LK	Y
BH22470	Thallium	10/01/14	10/02/14	10/06/14	LK	Y
BH22470	Vanadium	10/01/14	10/02/14	10/06/14	LK	Y
BH22470	Volatiles	10/01/14	10/04/14	10/04/14	JLI	Y
BH22470	Zinc	10/01/14	10/02/14	10/06/14	LK	Y
BH22471	Volatiles	10/01/14	10/07/14	10/07/14	JLI	Y

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NY Analytical Services Protocol Format

October 27, 2014 **SDG I.D.: GBH22463**

Environmental Business Consultants 26 WEST ST., BROOKLYN

BH22472	Volatiles	10/01/14	10/07/14	10/07/14	JLI	Y

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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Analysis Report

October 27, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/01/14	9:00
Location Code:	EBC	Received by:	LB	10/02/14	16:37
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH22463
Phoenix ID: BH22463

Project ID: 26 WEST ST., BROOKLYN
Client ID: B6 0-2 FT

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.35		0.35	0.35	mg/Kg	10/06/14	LK	SW6010
Aluminum	6740	N	35	7.0	mg/Kg	10/06/14	LK	SW6010
Arsenic	3.9		0.7	0.70	mg/Kg	10/06/14	LK	SW6010
Barium	57.2		0.7	0.35	mg/Kg	10/06/14	LK	SW6010
Beryllium	0.34		0.28	0.14	mg/Kg	10/06/14	LK	SW6010
Calcium	7950	*	3.5	3.2	mg/Kg	10/06/14	LK	SW6010
Cadmium	0.21	B	0.35	0.14	mg/Kg	10/06/14	LK	SW6010
Cobalt	6.13		0.35	0.35	mg/Kg	10/06/14	LK	SW6010
Chromium	12.2		0.35	0.35	mg/Kg	10/06/14	LK	SW6010
Copper	29.3		0.35	0.35	mg/kg	10/06/14	LK	SW6010
Iron	15900		35	35	mg/Kg	10/06/14	LK	SW6010
Mercury	0.17		0.07	0.04	mg/Kg	10/03/14	RS	SW-7471
Potassium	932	N	7	2.7	mg/Kg	10/06/14	LK	SW6010
Magnesium	3330		3.5	3.5	mg/Kg	10/06/14	LK	SW6010
Manganese	271		3.5	3.5	mg/Kg	10/06/14	LK	SW6010
Sodium	219		7	3.0	mg/Kg	10/06/14	LK	SW6010
Nickel	11.5		0.35	0.35	mg/Kg	10/06/14	LK	SW6010
Lead	204		7.0	3.5	mg/Kg	10/06/14	LK	SW6010
Antimony	< 1.7		1.7	1.7	mg/Kg	10/06/14	LK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	10/06/14	LK	SW6010
Thallium	< 1.4		1.4	1.4	mg/Kg	10/06/14	LK	SW6010
Vanadium	18.6		0.3	0.35	mg/Kg	10/06/14	LK	SW6010
Zinc	148		7.0	3.5	mg/Kg	10/06/14	LK	SW6010
Percent Solid	92				%	10/02/14	I	E160.3
Soil Extraction for PCB	Completed					10/02/14	BB	SW3545
Soil Extraction for Pesticide	Completed					10/02/14	BB/H	SW3545
Soil Extraction for SVOA	Completed					10/02/14	JJ/VH	SW3545
Mercury Digestion	Completed					10/03/14	I/I	SW7471

Project ID: 26 WEST ST., BROOKLYN
Client ID: B6 0-2 FT

Phoenix I.D.: BH22463

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				10/02/14	CB/AG	SW846 - 3050
Field Extraction	Completed				10/01/14		SW5035
Polychlorinated Biphenyls							
PCB-1016	ND	36	36	ug/Kg	10/03/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	10/03/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	10/03/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	10/03/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	10/03/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	10/03/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	10/03/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	10/03/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	10/03/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	94			%	10/03/14	AW	30 - 150 %
% TCMX	87			%	10/03/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.6	2.6	ug/Kg	10/04/14	CE	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	10/04/14	CE	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	10/04/14	CE	SW8081
a-BHC	ND	3.6	3.6	ug/Kg	10/04/14	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	10/04/14	CE	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	10/04/14	CE	SW8081
b-BHC	ND	3.6	3.6	ug/Kg	10/04/14	CE	SW8081
Chlordane	ND	36	36	ug/Kg	10/04/14	CE	SW8081
d-BHC	ND	3.6	3.6	ug/Kg	10/04/14	CE	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	10/04/14	CE	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	10/04/14	CE	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	10/04/14	CE	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	10/04/14	CE	SW8081
Endrin	ND	3.6	3.6	ug/Kg	10/04/14	CE	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	10/04/14	CE	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	10/04/14	CE	SW8081
g-BHC	ND	3.6	3.6	ug/Kg	10/04/14	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	10/04/14	CE	SW8081
Heptachlor	ND	3.6	3.6	ug/Kg	10/04/14	CE	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	10/04/14	CE	SW8081
Methoxychlor	ND	7.1	7.1	ug/Kg	10/04/14	CE	SW8081
Toxaphene	ND	180	180	ug/Kg	10/04/14	CE	SW8081
QA/QC Surrogates							
% DCBP	97			%	10/04/14	CE	30 - 150 %
% TCMX	83			%	10/04/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.7	0.78	ug/Kg	10/04/14	JLI	SW8260
1,1,1-Trichloroethane	ND	4.7	0.95	ug/Kg	10/04/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	4.7	0.67	ug/Kg	10/04/14	JLI	SW8260
1,1,2-Trichloroethane	ND	4.7	0.46	ug/Kg	10/04/14	JLI	SW8260
1,1-Dichloroethane	ND	4.7	0.94	ug/Kg	10/04/14	JLI	SW8260

Project ID: 26 WEST ST., BROOKLYN
Client ID: B6 0-2 FT

Phoenix I.D.: BH22463

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND		4.7	1.0	ug/Kg	10/04/14	JLI	SW8260	
1,1-Dichloropropene	ND		4.7	0.92	ug/Kg	10/04/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		260	52	ug/Kg	10/04/14	JLI	SW8260	
1,2,3-Trichloropropane	ND		260	37	ug/Kg	10/04/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		260	52	ug/Kg	10/04/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND		260	38	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		260	70	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dibromoethane	ND		4.7	1.3	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		260	29	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dichloroethane	ND		4.7	0.42	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dichloropropane	ND		4.7	0.67	ug/Kg	10/04/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND		260	35	ug/Kg	10/04/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		260	39	ug/Kg	10/04/14	JLI	SW8260	
1,3-Dichloropropane	ND		4.7	0.50	ug/Kg	10/04/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		260	41	ug/Kg	10/04/14	JLI	SW8260	
2,2-Dichloropropane	ND		4.7	0.79	ug/Kg	10/04/14	JLI	SW8260	
2-Chlorotoluene	ND		260	42	ug/Kg	10/04/14	JLI	SW8260	
2-Hexanone	ND		24	2.1	ug/Kg	10/04/14	JLI	SW8260	
2-Isopropyltoluene	ND		260	36	ug/Kg	10/04/14	JLI	SW8260	1
4-Chlorotoluene	ND		260	30	ug/Kg	10/04/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		24	1.1	ug/Kg	10/04/14	JLI	SW8260	
Acetone	12	JS	47	4.7	ug/Kg	10/04/14	JLI	SW8260	
Acrylonitrile	ND		9.5	2.7	ug/Kg	10/04/14	JLI	SW8260	
Benzene	ND		4.7	0.94	ug/Kg	10/04/14	JLI	SW8260	
Bromobenzene	ND		260	34	ug/Kg	10/04/14	JLI	SW8260	
Bromochloromethane	ND		4.7	0.69	ug/Kg	10/04/14	JLI	SW8260	
Bromodichloromethane	ND		4.7	0.59	ug/Kg	10/04/14	JLI	SW8260	
Bromoform	ND		4.7	0.66	ug/Kg	10/04/14	JLI	SW8260	
Bromomethane	ND		4.7	3.6	ug/Kg	10/04/14	JLI	SW8260	
Carbon Disulfide	ND		4.7	0.77	ug/Kg	10/04/14	JLI	SW8260	
Carbon tetrachloride	ND		4.7	0.55	ug/Kg	10/04/14	JLI	SW8260	
Chlorobenzene	ND		4.7	0.70	ug/Kg	10/04/14	JLI	SW8260	
Chloroethane	ND		4.7	1.1	ug/Kg	10/04/14	JLI	SW8260	
Chloroform	ND		4.7	0.86	ug/Kg	10/04/14	JLI	SW8260	
Chloromethane	ND		4.7	2.5	ug/Kg	10/04/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		4.7	1.0	ug/Kg	10/04/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		4.7	0.51	ug/Kg	10/04/14	JLI	SW8260	
Dibromochloromethane	ND		4.7	0.53	ug/Kg	10/04/14	JLI	SW8260	
Dibromomethane	ND		4.7	0.60	ug/Kg	10/04/14	JLI	SW8260	
Dichlorodifluoromethane	ND		4.7	1.3	ug/Kg	10/04/14	JLI	SW8260	
Ethylbenzene	ND		4.7	0.86	ug/Kg	10/04/14	JLI	SW8260	
Hexachlorobutadiene	ND		260	55	ug/Kg	10/04/14	JLI	SW8260	
Isopropylbenzene	ND		260	50	ug/Kg	10/04/14	JLI	SW8260	
m&p-Xylene	ND		4.7	1.9	ug/Kg	10/04/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		28	4.1	ug/Kg	10/04/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		9.5	1.3	ug/Kg	10/04/14	JLI	SW8260	
Methylene chloride	0.96	JBS	4.7	0.78	ug/Kg	10/04/14	JLI	SW8260	B*
Naphthalene	ND		260	70	ug/Kg	10/04/14	JLI	SW8260	
n-Butylbenzene	ND		260	48	ug/Kg	10/04/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
n-Propylbenzene	ND	260	47	ug/Kg	10/04/14	JLI	SW8260	
o-Xylene	ND	4.7	1.8	ug/Kg	10/04/14	JLI	SW8260	
p-Isopropyltoluene	ND	260	38	ug/Kg	10/04/14	JLI	SW8260	
sec-Butylbenzene	ND	260	49	ug/Kg	10/04/14	JLI	SW8260	
Styrene	ND	4.7	1.4	ug/Kg	10/04/14	JLI	SW8260	
tert-Butylbenzene	ND	260	42	ug/Kg	10/04/14	JLI	SW8260	
Tetrachloroethene	ND	4.7	0.99	ug/Kg	10/04/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	9.5	4.3	ug/Kg	10/04/14	JLI	SW8260	1
Toluene	ND	4.7	0.75	ug/Kg	10/04/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	4.7	0.95	ug/Kg	10/04/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	4.7	0.96	ug/Kg	10/04/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	520	490	ug/Kg	10/04/14	JLI	SW8260	
Trichloroethene	ND	4.7	1.0	ug/Kg	10/04/14	JLI	SW8260	
Trichlorofluoromethane	ND	4.7	1.0	ug/Kg	10/04/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	4.7	0.74	ug/Kg	10/04/14	JLI	SW8260	
Vinyl chloride	ND	4.7	1.5	ug/Kg	10/04/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	10/04/14	JLI	70 - 121 %	
% Bromofluorobenzene	104			%	10/04/14	JLI	59 - 113 %	
% Dibromofluoromethane	87			%	10/04/14	JLI	70 - 130 %	
% Toluene-d8	99			%	10/04/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	500	250	ug/Kg	10/03/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	500	220	ug/Kg	10/03/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	500	200	ug/Kg	10/03/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	500	230	ug/Kg	10/03/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	500	210	ug/Kg	10/03/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	500	210	ug/Kg	10/03/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	500	390	ug/Kg	10/03/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	500	230	ug/Kg	10/03/14	DD	SW 8270	
2,4-Dichlorophenol	ND	500	250	ug/Kg	10/03/14	DD	SW 8270	
2,4-Dimethylphenol	ND	500	180	ug/Kg	10/03/14	DD	SW 8270	
2,4-Dinitrophenol	ND	3600	500	ug/Kg	10/03/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	500	280	ug/Kg	10/03/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	500	230	ug/Kg	10/03/14	DD	SW 8270	
2-Chloronaphthalene	ND	500	200	ug/Kg	10/03/14	DD	SW 8270	
2-Chlorophenol	ND	500	200	ug/Kg	10/03/14	DD	SW 8270	
2-Methylnaphthalene	ND	500	210	ug/Kg	10/03/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	330	330	ug/Kg	10/03/14	DD	SW 8270	
2-Nitroaniline	ND	3600	730	ug/Kg	10/03/14	DD	SW 8270	
2-Nitrophenol	ND	500	460	ug/Kg	10/03/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	500	280	ug/Kg	10/03/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	1400	340	ug/Kg	10/03/14	DD	SW 8270	
3-Nitroaniline	ND	3600	1600	ug/Kg	10/03/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	3600	770	ug/Kg	10/03/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	500	210	ug/Kg	10/03/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	500	250	ug/Kg	10/03/14	DD	SW 8270	
4-Chloroaniline	ND	1400	330	ug/Kg	10/03/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	500	240	ug/Kg	10/03/14	DD	SW 8270	

Project ID: 26 WEST ST., BROOKLYN
Client ID: B6 0-2 FT

Phoenix I.D.: BH22463

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitroaniline	ND		3600	240	ug/Kg	10/03/14	DD	SW 8270	
4-Nitrophenol	ND		3600	320	ug/Kg	10/03/14	DD	SW 8270	
Acenaphthene	ND		500	220	ug/Kg	10/03/14	DD	SW 8270	
Acenaphthylene	ND		500	200	ug/Kg	10/03/14	DD	SW 8270	
Acetophenone	ND		500	220	ug/Kg	10/03/14	DD	SW 8270	
Aniline	ND		3600	1500	ug/Kg	10/03/14	DD	SW 8270	
Anthracene	ND		500	240	ug/Kg	10/03/14	DD	SW 8270	
Benz(a)anthracene	300	J	500	240	ug/Kg	10/03/14	DD	SW 8270	
Benzidine	ND		1400	420	ug/Kg	10/03/14	DD	SW 8270	
Benzo(a)pyrene	280	J	500	230	ug/Kg	10/03/14	DD	SW 8270	
Benzo(b)fluoranthene	400	J	500	250	ug/Kg	10/03/14	DD	SW 8270	
Benzo(ghi)perylene	ND		500	230	ug/Kg	10/03/14	DD	SW 8270	
Benzo(k)fluoranthene	ND		500	240	ug/Kg	10/03/14	DD	SW 8270	
Benzoic acid	ND		3600	1400	ug/Kg	10/03/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		500	190	ug/Kg	10/03/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		500	200	ug/Kg	10/03/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		500	190	ug/Kg	10/03/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		500	200	ug/Kg	10/03/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		500	210	ug/Kg	10/03/14	DD	SW 8270	
Carbazole	ND		3600	540	ug/Kg	10/03/14	DD	SW 8270	
Chrysene	300	J	500	240	ug/Kg	10/03/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		330	230	ug/Kg	10/03/14	DD	SW 8270	
Dibenzofuran	ND		500	210	ug/Kg	10/03/14	DD	SW 8270	
Diethyl phthalate	ND		500	230	ug/Kg	10/03/14	DD	SW 8270	
Dimethylphthalate	ND		500	220	ug/Kg	10/03/14	DD	SW 8270	
Di-n-butylphthalate	ND		500	190	ug/Kg	10/03/14	DD	SW 8270	
Di-n-octylphthalate	ND		500	190	ug/Kg	10/03/14	DD	SW 8270	
Fluoranthene	540		500	230	ug/Kg	10/03/14	DD	SW 8270	
Fluorene	ND		500	240	ug/Kg	10/03/14	DD	SW 8270	
Hexachlorobenzene	ND		500	210	ug/Kg	10/03/14	DD	SW 8270	
Hexachlorobutadiene	ND		500	260	ug/Kg	10/03/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		500	220	ug/Kg	10/03/14	DD	SW 8270	
Hexachloroethane	ND		500	220	ug/Kg	10/03/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		500	240	ug/Kg	10/03/14	DD	SW 8270	
Isophorone	ND		500	200	ug/Kg	10/03/14	DD	SW 8270	
Naphthalene	ND		500	210	ug/Kg	10/03/14	DD	SW 8270	
Nitrobenzene	ND		500	250	ug/Kg	10/03/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		500	200	ug/Kg	10/03/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		500	230	ug/Kg	10/03/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		500	280	ug/Kg	10/03/14	DD	SW 8270	
Pentachloronitrobenzene	ND		500	270	ug/Kg	10/03/14	DD	SW 8270	
Pentachlorophenol	ND		500	270	ug/Kg	10/03/14	DD	SW 8270	
Phenanthrene	450	J	500	210	ug/Kg	10/03/14	DD	SW 8270	
Phenol	ND		330	230	ug/Kg	10/03/14	DD	SW 8270	
Pyrene	450	J	500	250	ug/Kg	10/03/14	DD	SW 8270	
Pyridine	ND		500	180	ug/Kg	10/03/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	75				%	10/03/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	72				%	10/03/14	DD	30 - 115 %	

Project ID: 26 WEST ST., BROOKLYN
Client ID: B6 0-2 FT

Phoenix I.D.: BH22463

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorophenol	65			%	10/03/14	DD	25 - 121 %
% Nitrobenzene-d5	72			%	10/03/14	DD	23 - 120 %
% Phenol-d5	64			%	10/03/14	DD	24 - 113 %
% Terphenyl-d14	83			%	10/03/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B* = Present in blank, a bias is possible.

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

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

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 27, 2014
Reviewed and Released by: Tina Covensky

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 27, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/01/14	9:30
Location Code:	EBC	Received by:	LB	10/02/14	16:37
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH22463
Phoenix ID: BH22464

Project ID: 26 WEST ST., BROOKLYN
Client ID: B6 11-13 FT

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.34		0.34	0.34	mg/Kg	10/06/14	LK	SW6010
Aluminum	6570	N	34	6.8	mg/Kg	10/06/14	LK	SW6010
Arsenic	0.9		0.7	0.68	mg/Kg	10/06/14	LK	SW6010
Barium	56.8		0.7	0.34	mg/Kg	10/06/14	LK	SW6010
Beryllium	0.37		0.27	0.14	mg/Kg	10/06/14	LK	SW6010
Calcium	680	*	3.4	3.1	mg/Kg	10/06/14	LK	SW6010
Cadmium	0.15	B	0.34	0.14	mg/Kg	10/06/14	LK	SW6010
Cobalt	6.77		0.34	0.34	mg/Kg	10/06/14	LK	SW6010
Chromium	12.9		0.34	0.34	mg/Kg	10/06/14	LK	SW6010
Copper	10.6		0.34	0.34	mg/kg	10/06/14	LK	SW6010
Iron	15500		34	34	mg/Kg	10/06/14	LK	SW6010
Mercury	< 0.09		0.09	0.05	mg/Kg	10/03/14	RS	SW-7471
Potassium	1280	N	7	2.7	mg/Kg	10/06/14	LK	SW6010
Magnesium	1970		3.4	3.4	mg/Kg	10/06/14	LK	SW6010
Manganese	757		3.4	3.4	mg/Kg	10/06/14	LK	SW6010
Sodium	64		7	2.9	mg/Kg	10/06/14	LK	SW6010
Nickel	13.8		0.34	0.34	mg/Kg	10/06/14	LK	SW6010
Lead	5.7		0.7	0.34	mg/Kg	10/06/14	LK	SW6010
Antimony	< 1.7		1.7	1.7	mg/Kg	10/06/14	LK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	10/06/14	LK	SW6010
Thallium	< 1.4		1.4	1.4	mg/Kg	10/06/14	LK	SW6010
Vanadium	18.7		0.3	0.34	mg/Kg	10/06/14	LK	SW6010
Zinc	26.5		0.7	0.34	mg/Kg	10/06/14	LK	SW6010
Percent Solid	86				%	10/02/14	I	E160.3
Soil Extraction for PCB	Completed					10/02/14	BB	SW3545
Soil Extraction for Pesticide	Completed					10/02/14	BB/H	SW3545
Soil Extraction for SVOA	Completed					10/02/14	JJ/VH	SW3545
Mercury Digestion	Completed					10/03/14	I/I	SW7471

Project ID: 26 WEST ST., BROOKLYN
Client ID: B6 11-13 FT

Phoenix I.D.: BH22464

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				10/02/14	CB/AG	SW846 - 3050
Field Extraction	Completed				10/01/14		SW5035
Polychlorinated Biphenyls							
PCB-1016	ND	38	38	ug/Kg	10/03/14	AW	SW 8082
PCB-1221	ND	38	38	ug/Kg	10/03/14	AW	SW 8082
PCB-1232	ND	38	38	ug/Kg	10/03/14	AW	SW 8082
PCB-1242	ND	38	38	ug/Kg	10/03/14	AW	SW 8082
PCB-1248	ND	38	38	ug/Kg	10/03/14	AW	SW 8082
PCB-1254	ND	38	38	ug/Kg	10/03/14	AW	SW 8082
PCB-1260	ND	38	38	ug/Kg	10/03/14	AW	SW 8082
PCB-1262	ND	38	38	ug/Kg	10/03/14	AW	SW 8082
PCB-1268	ND	38	38	ug/Kg	10/03/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	87			%	10/03/14	AW	30 - 150 %
% TCMX	83			%	10/03/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.8	2.8	ug/Kg	10/03/14	CE	SW8081
4,4' -DDE	ND	2.8	2.8	ug/Kg	10/03/14	CE	SW8081
4,4' -DDT	ND	2.8	2.8	ug/Kg	10/03/14	CE	SW8081
a-BHC	ND	3.8	3.8	ug/Kg	10/03/14	CE	SW8081
a-Chlordane	ND	3.8	3.8	ug/Kg	10/03/14	CE	SW8081
Aldrin	ND	1.9	1.9	ug/Kg	10/03/14	CE	SW8081
b-BHC	ND	3.8	3.8	ug/Kg	10/03/14	CE	SW8081
Chlordane	ND	38	38	ug/Kg	10/03/14	CE	SW8081
d-BHC	ND	3.8	3.8	ug/Kg	10/03/14	CE	SW8081
Dieldrin	ND	1.9	1.9	ug/Kg	10/03/14	CE	SW8081
Endosulfan I	ND	3.8	3.8	ug/Kg	10/03/14	CE	SW8081
Endosulfan II	ND	3.8	3.8	ug/Kg	10/03/14	CE	SW8081
Endosulfan sulfate	ND	3.8	3.8	ug/Kg	10/03/14	CE	SW8081
Endrin	ND	3.8	3.8	ug/Kg	10/03/14	CE	SW8081
Endrin aldehyde	ND	3.8	3.8	ug/Kg	10/03/14	CE	SW8081
Endrin ketone	ND	1.9	1.9	ug/Kg	10/03/14	CE	SW8081
g-BHC	ND	3.8	3.8	ug/Kg	10/03/14	CE	SW8081
g-Chlordane	ND	3.8	3.8	ug/Kg	10/03/14	CE	SW8081
Heptachlor	ND	3.8	3.8	ug/Kg	10/03/14	CE	SW8081
Heptachlor epoxide	ND	1.9	1.9	ug/Kg	10/03/14	CE	SW8081
Methoxychlor	ND	7.6	7.6	ug/Kg	10/03/14	CE	SW8081
Toxaphene	ND	190	190	ug/Kg	10/03/14	CE	SW8081
QA/QC Surrogates							
% DCBP	87			%	10/03/14	CE	30 - 150 %
% TCMX	86			%	10/03/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.9	0.96	ug/Kg	10/04/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.9	1.2	ug/Kg	10/04/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.9	0.83	ug/Kg	10/04/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.9	0.58	ug/Kg	10/04/14	JLI	SW8260
1,1-Dichloroethane	ND	5.9	1.2	ug/Kg	10/04/14	JLI	SW8260

Project ID: 26 WEST ST., BROOKLYN
Client ID: B6 11-13 FT

Phoenix I.D.: BH22464

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND		5.9	1.3	ug/Kg	10/04/14	JLI	SW8260	
1,1-Dichloropropene	ND		5.9	1.1	ug/Kg	10/04/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		5.9	1.2	ug/Kg	10/04/14	JLI	SW8260	
1,2,3-Trichloropropane	ND		5.9	0.83	ug/Kg	10/04/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		5.9	1.2	ug/Kg	10/04/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND		5.9	0.85	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.9	1.6	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dibromoethane	ND		5.9	1.6	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		5.9	0.65	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dichloroethane	ND		5.9	0.52	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dichloropropane	ND		5.9	0.83	ug/Kg	10/04/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND		5.9	0.78	ug/Kg	10/04/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		5.9	0.87	ug/Kg	10/04/14	JLI	SW8260	
1,3-Dichloropropane	ND		5.9	0.62	ug/Kg	10/04/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		5.9	0.93	ug/Kg	10/04/14	JLI	SW8260	
2,2-Dichloropropane	ND		5.9	0.99	ug/Kg	10/04/14	JLI	SW8260	
2-Chlorotoluene	ND		5.9	0.94	ug/Kg	10/04/14	JLI	SW8260	
2-Hexanone	ND		29	2.6	ug/Kg	10/04/14	JLI	SW8260	
2-Isopropyltoluene	ND		5.9	0.81	ug/Kg	10/04/14	JLI	SW8260	1
4-Chlorotoluene	ND		5.9	0.68	ug/Kg	10/04/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		29	1.4	ug/Kg	10/04/14	JLI	SW8260	
Acetone	ND		50	5.8	ug/Kg	10/04/14	JLI	SW8260	
Acrylonitrile	ND		12	3.3	ug/Kg	10/04/14	JLI	SW8260	
Benzene	ND		5.9	1.2	ug/Kg	10/04/14	JLI	SW8260	
Bromobenzene	ND		5.9	0.76	ug/Kg	10/04/14	JLI	SW8260	
Bromochloromethane	ND		5.9	0.86	ug/Kg	10/04/14	JLI	SW8260	
Bromodichloromethane	ND		5.9	0.73	ug/Kg	10/04/14	JLI	SW8260	
Bromoform	ND		5.9	0.82	ug/Kg	10/04/14	JLI	SW8260	
Bromomethane	ND		5.9	4.5	ug/Kg	10/04/14	JLI	SW8260	
Carbon Disulfide	ND		5.9	0.95	ug/Kg	10/04/14	JLI	SW8260	
Carbon tetrachloride	ND		5.9	0.68	ug/Kg	10/04/14	JLI	SW8260	
Chlorobenzene	ND		5.9	0.87	ug/Kg	10/04/14	JLI	SW8260	
Chloroethane	ND		5.9	1.4	ug/Kg	10/04/14	JLI	SW8260	
Chloroform	ND		5.9	1.1	ug/Kg	10/04/14	JLI	SW8260	
Chloromethane	ND		5.9	3.1	ug/Kg	10/04/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.9	1.3	ug/Kg	10/04/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.9	0.63	ug/Kg	10/04/14	JLI	SW8260	
Dibromochloromethane	ND		5.9	0.66	ug/Kg	10/04/14	JLI	SW8260	
Dibromomethane	ND		5.9	0.74	ug/Kg	10/04/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.9	1.6	ug/Kg	10/04/14	JLI	SW8260	
Ethylbenzene	ND		5.9	1.1	ug/Kg	10/04/14	JLI	SW8260	
Hexachlorobutadiene	ND		5.9	1.2	ug/Kg	10/04/14	JLI	SW8260	
Isopropylbenzene	ND		5.9	1.1	ug/Kg	10/04/14	JLI	SW8260	
m&p-Xylene	ND		5.9	2.3	ug/Kg	10/04/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		35	5.1	ug/Kg	10/04/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		12	1.6	ug/Kg	10/04/14	JLI	SW8260	
Methylene chloride	1.6	JBS	5.9	0.96	ug/Kg	10/04/14	JLI	SW8260	B*
Naphthalene	ND		5.9	1.6	ug/Kg	10/04/14	JLI	SW8260	
n-Butylbenzene	ND		5.9	1.1	ug/Kg	10/04/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
n-Propylbenzene	ND	5.9	1.1	ug/Kg	10/04/14	JLI	SW8260	
o-Xylene	ND	5.9	2.2	ug/Kg	10/04/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.9	0.85	ug/Kg	10/04/14	JLI	SW8260	
sec-Butylbenzene	ND	5.9	1.1	ug/Kg	10/04/14	JLI	SW8260	
Styrene	ND	5.9	1.7	ug/Kg	10/04/14	JLI	SW8260	
tert-Butylbenzene	ND	5.9	0.94	ug/Kg	10/04/14	JLI	SW8260	
Tetrachloroethene	ND	5.9	1.2	ug/Kg	10/04/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	12	5.3	ug/Kg	10/04/14	JLI	SW8260	1
Toluene	ND	5.9	0.93	ug/Kg	10/04/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.9	1.2	ug/Kg	10/04/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.9	1.2	ug/Kg	10/04/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	12	11	ug/Kg	10/04/14	JLI	SW8260	
Trichloroethene	ND	5.9	1.2	ug/Kg	10/04/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.9	1.3	ug/Kg	10/04/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.9	0.92	ug/Kg	10/04/14	JLI	SW8260	
Vinyl chloride	ND	5.9	1.9	ug/Kg	10/04/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	10/04/14	JLI	70 - 121 %	
% Bromofluorobenzene	102			%	10/04/14	JLI	59 - 113 %	
% Dibromofluoromethane	100			%	10/04/14	JLI	70 - 130 %	
% Toluene-d8	102			%	10/04/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	270	140	ug/Kg	10/03/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	270	130	ug/Kg	10/03/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	10/03/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
2,4-Dichlorophenol	ND	270	140	ug/Kg	10/03/14	DD	SW 8270	
2,4-Dimethylphenol	ND	270	95	ug/Kg	10/03/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1900	270	ug/Kg	10/03/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	270	150	ug/Kg	10/03/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
2-Chloronaphthalene	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
2-Chlorophenol	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
2-Methylnaphthalene	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	270	180	ug/Kg	10/03/14	DD	SW 8270	
2-Nitroaniline	ND	1900	390	ug/Kg	10/03/14	DD	SW 8270	
2-Nitrophenol	ND	270	240	ug/Kg	10/03/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	270	150	ug/Kg	10/03/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	770	180	ug/Kg	10/03/14	DD	SW 8270	
3-Nitroaniline	ND	1900	840	ug/Kg	10/03/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1900	410	ug/Kg	10/03/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	270	140	ug/Kg	10/03/14	DD	SW 8270	
4-Chloroaniline	ND	770	180	ug/Kg	10/03/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	270	130	ug/Kg	10/03/14	DD	SW 8270	

Project ID: 26 WEST ST., BROOKLYN
Client ID: B6 11-13 FT

Phoenix I.D.: BH22464

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitroaniline	ND	1900	130	ug/Kg	10/03/14	DD	SW 8270	
4-Nitrophenol	ND	1900	170	ug/Kg	10/03/14	DD	SW 8270	
Acenaphthene	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
Acenaphthylene	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
Acetophenone	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
Aniline	ND	1900	780	ug/Kg	10/03/14	DD	SW 8270	
Anthracene	ND	270	130	ug/Kg	10/03/14	DD	SW 8270	
Benz(a)anthracene	ND	270	130	ug/Kg	10/03/14	DD	SW 8270	
Benzidine	ND	770	230	ug/Kg	10/03/14	DD	SW 8270	
Benzo(a)pyrene	ND	270	130	ug/Kg	10/03/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	270	130	ug/Kg	10/03/14	DD	SW 8270	
Benzo(ghi)perylene	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	270	130	ug/Kg	10/03/14	DD	SW 8270	
Benzoic acid	ND	1900	770	ug/Kg	10/03/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	270	99	ug/Kg	10/03/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	270	100	ug/Kg	10/03/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
Carbazole	ND	1900	290	ug/Kg	10/03/14	DD	SW 8270	
Chrysene	ND	270	130	ug/Kg	10/03/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
Dibenzofuran	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
Diethyl phthalate	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
Dimethylphthalate	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
Di-n-butylphthalate	ND	270	100	ug/Kg	10/03/14	DD	SW 8270	
Di-n-octylphthalate	ND	270	99	ug/Kg	10/03/14	DD	SW 8270	
Fluoranthene	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
Fluorene	ND	270	130	ug/Kg	10/03/14	DD	SW 8270	
Hexachlorobenzene	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
Hexachlorobutadiene	ND	270	140	ug/Kg	10/03/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
Hexachloroethane	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	270	130	ug/Kg	10/03/14	DD	SW 8270	
Isophorone	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
Naphthalene	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
Nitrobenzene	ND	270	130	ug/Kg	10/03/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	270	150	ug/Kg	10/03/14	DD	SW 8270	
Pentachloronitrobenzene	ND	270	140	ug/Kg	10/03/14	DD	SW 8270	
Pentachlorophenol	ND	270	150	ug/Kg	10/03/14	DD	SW 8270	
Phenanthrene	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
Phenol	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
Pyrene	ND	270	130	ug/Kg	10/03/14	DD	SW 8270	
Pyridine	ND	270	94	ug/Kg	10/03/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	89			%	10/03/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	79			%	10/03/14	DD	30 - 115 %	

Project ID: 26 WEST ST., BROOKLYN
Client ID: B6 11-13 FT

Phoenix I.D.: BH22464

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorophenol	73			%	10/03/14	DD	25 - 121 %
% Nitrobenzene-d5	73			%	10/03/14	DD	23 - 120 %
% Phenol-d5	81			%	10/03/14	DD	24 - 113 %
% Terphenyl-d14	95			%	10/03/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B* = Present in blank, a bias is possible.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level 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 27, 2014
Reviewed and Released by: Tina Covensky

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

NY # 11301

Analysis Report

October 27, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/01/14	10:00
Location Code:	EBC	Received by:	LB	10/02/14	16:37
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH22463
Phoenix ID: BH22465

Project ID: 26 WEST ST., BROOKLYN
Client ID: B8 0-2 FT

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.32		0.32	0.32	mg/Kg	10/06/14	LK	SW6010
Aluminum	7080	N	32	6.5	mg/Kg	10/06/14	LK	SW6010
Arsenic	6.3		0.6	0.65	mg/Kg	10/06/14	LK	SW6010
Barium	88.2		0.6	0.32	mg/Kg	10/06/14	LK	SW6010
Beryllium	0.36		0.26	0.13	mg/Kg	10/06/14	LK	SW6010
Calcium	2660	*	3.2	3.0	mg/Kg	10/06/14	LK	SW6010
Cadmium	0.21	B	0.32	0.13	mg/Kg	10/06/14	LK	SW6010
Cobalt	5.51		0.32	0.32	mg/Kg	10/06/14	LK	SW6010
Chromium	14.8		0.32	0.32	mg/Kg	10/06/14	LK	SW6010
Copper	30.1		0.32	0.32	mg/kg	10/06/14	LK	SW6010
Iron	19100		32	32	mg/Kg	10/06/14	LK	SW6010
Mercury	0.10		0.07	0.04	mg/Kg	10/03/14	RS	SW-7471
Potassium	1040	N	6	2.5	mg/Kg	10/06/14	LK	SW6010
Magnesium	2290		3.2	3.2	mg/Kg	10/06/14	LK	SW6010
Manganese	192		3.2	3.2	mg/Kg	10/06/14	LK	SW6010
Sodium	158		6	2.8	mg/Kg	10/06/14	LK	SW6010
Nickel	11.9		0.32	0.32	mg/Kg	10/06/14	LK	SW6010
Lead	170		6.5	3.2	mg/Kg	10/06/14	LK	SW6010
Antimony	< 1.6		1.6	1.6	mg/Kg	10/06/14	LK	SW6010
Selenium	< 1.3		1.3	1.1	mg/Kg	10/06/14	LK	SW6010
Thallium	< 1.3		1.3	1.3	mg/Kg	10/06/14	LK	SW6010
Vanadium	19.8		0.3	0.32	mg/Kg	10/06/14	LK	SW6010
Zinc	96.1		0.6	0.32	mg/Kg	10/06/14	LK	SW6010
Percent Solid	94				%	10/02/14	I	E160.3
Soil Extraction for PCB	Completed					10/02/14	BB	SW3545
Soil Extraction for Pesticide	Completed					10/02/14	BB/H	SW3545
Soil Extraction for SVOA	Completed					10/02/14	JJ/VH	SW3545
Mercury Digestion	Completed					10/03/14	I/I	SW7471

Project ID: 26 WEST ST., BROOKLYN
Client ID: B8 0-2 FT

Phoenix I.D.: BH22465

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				10/02/14	CB/AG	SW846 - 3050
Field Extraction	Completed				10/01/14		SW5035
Polychlorinated Biphenyls							
PCB-1016	ND	35	35	ug/Kg	10/03/14	AW	SW 8082
PCB-1221	ND	35	35	ug/Kg	10/03/14	AW	SW 8082
PCB-1232	ND	35	35	ug/Kg	10/03/14	AW	SW 8082
PCB-1242	ND	35	35	ug/Kg	10/03/14	AW	SW 8082
PCB-1248	ND	35	35	ug/Kg	10/03/14	AW	SW 8082
PCB-1254	ND	35	35	ug/Kg	10/03/14	AW	SW 8082
PCB-1260	ND	35	35	ug/Kg	10/03/14	AW	SW 8082
PCB-1262	ND	35	35	ug/Kg	10/03/14	AW	SW 8082
PCB-1268	ND	35	35	ug/Kg	10/03/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	86			%	10/03/14	AW	30 - 150 %
% TCMX	80			%	10/03/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.5	2.5	ug/Kg	10/03/14	CE	SW8081
4,4' -DDE	ND	2.5	2.5	ug/Kg	10/03/14	CE	SW8081
4,4' -DDT	ND	2.5	2.5	ug/Kg	10/03/14	CE	SW8081
a-BHC	ND	3.5	3.5	ug/Kg	10/03/14	CE	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	10/03/14	CE	SW8081
Aldrin	ND	1.7	1.7	ug/Kg	10/03/14	CE	SW8081
b-BHC	ND	3.5	3.5	ug/Kg	10/03/14	CE	SW8081
Chlordane	ND	35	35	ug/Kg	10/03/14	CE	SW8081
d-BHC	ND	3.5	3.5	ug/Kg	10/03/14	CE	SW8081
Dieldrin	ND	1.7	1.7	ug/Kg	10/03/14	CE	SW8081
Endosulfan I	ND	3.5	3.5	ug/Kg	10/03/14	CE	SW8081
Endosulfan II	ND	3.5	3.5	ug/Kg	10/03/14	CE	SW8081
Endosulfan sulfate	ND	3.5	3.5	ug/Kg	10/03/14	CE	SW8081
Endrin	ND	3.5	3.5	ug/Kg	10/03/14	CE	SW8081
Endrin aldehyde	ND	3.5	3.5	ug/Kg	10/03/14	CE	SW8081
Endrin ketone	ND	1.7	1.7	ug/Kg	10/03/14	CE	SW8081
g-BHC	ND	3.5	3.5	ug/Kg	10/03/14	CE	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	10/03/14	CE	SW8081
Heptachlor	ND	3.5	3.5	ug/Kg	10/03/14	CE	SW8081
Heptachlor epoxide	ND	1.7	1.7	ug/Kg	10/03/14	CE	SW8081
Methoxychlor	ND	7.0	7.0	ug/Kg	10/03/14	CE	SW8081
Toxaphene	ND	170	170	ug/Kg	10/03/14	CE	SW8081
QA/QC Surrogates							
% DCBP	75			%	10/03/14	CE	30 - 150 %
% TCMX	77			%	10/03/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	9.5	1.6	ug/Kg	10/04/14	JLI	SW8260
1,1,1-Trichloroethane	ND	9.5	1.9	ug/Kg	10/04/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	9.5	1.3	ug/Kg	10/04/14	JLI	SW8260
1,1,2-Trichloroethane	ND	9.5	0.93	ug/Kg	10/04/14	JLI	SW8260
1,1-Dichloroethane	ND	9.5	1.9	ug/Kg	10/04/14	JLI	SW8260

Project ID: 26 WEST ST., BROOKLYN
Client ID: B8 0-2 FT

Phoenix I.D.: BH22465

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND	9.5	2.1	ug/Kg	10/04/14	JLI	SW8260	
1,1-Dichloropropene	ND	9.5	1.8	ug/Kg	10/04/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	260	51	ug/Kg	10/04/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	260	37	ug/Kg	10/04/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	260	51	ug/Kg	10/04/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	260	37	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	260	69	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dibromoethane	ND	9.5	2.5	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	260	28	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dichloroethane	ND	9.5	0.83	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dichloropropane	ND	9.5	1.3	ug/Kg	10/04/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	260	34	ug/Kg	10/04/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	260	38	ug/Kg	10/04/14	JLI	SW8260	
1,3-Dichloropropane	ND	9.5	1.0	ug/Kg	10/04/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	260	41	ug/Kg	10/04/14	JLI	SW8260	
2,2-Dichloropropane	ND	9.5	1.6	ug/Kg	10/04/14	JLI	SW8260	
2-Chlorotoluene	ND	260	41	ug/Kg	10/04/14	JLI	SW8260	
2-Hexanone	ND	47	4.3	ug/Kg	10/04/14	JLI	SW8260	
2-Isopropyltoluene	ND	260	36	ug/Kg	10/04/14	JLI	SW8260	1
4-Chlorotoluene	ND	260	30	ug/Kg	10/04/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	47	2.3	ug/Kg	10/04/14	JLI	SW8260	
Acetone	ND	50	9.4	ug/Kg	10/04/14	JLI	SW8260	
Acrylonitrile	ND	19	5.3	ug/Kg	10/04/14	JLI	SW8260	
Benzene	ND	9.5	1.9	ug/Kg	10/04/14	JLI	SW8260	
Bromobenzene	ND	260	33	ug/Kg	10/04/14	JLI	SW8260	
Bromochloromethane	ND	9.5	1.4	ug/Kg	10/04/14	JLI	SW8260	
Bromodichloromethane	ND	9.5	1.2	ug/Kg	10/04/14	JLI	SW8260	
Bromoform	ND	9.5	1.3	ug/Kg	10/04/14	JLI	SW8260	
Bromomethane	ND	9.5	7.3	ug/Kg	10/04/14	JLI	SW8260	
Carbon Disulfide	ND	9.5	1.5	ug/Kg	10/04/14	JLI	SW8260	
Carbon tetrachloride	ND	9.5	1.1	ug/Kg	10/04/14	JLI	SW8260	
Chlorobenzene	ND	9.5	1.4	ug/Kg	10/04/14	JLI	SW8260	
Chloroethane	ND	9.5	2.2	ug/Kg	10/04/14	JLI	SW8260	
Chloroform	ND	9.5	1.7	ug/Kg	10/04/14	JLI	SW8260	
Chloromethane	ND	9.5	5.0	ug/Kg	10/04/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	9.5	2.1	ug/Kg	10/04/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	9.5	1.0	ug/Kg	10/04/14	JLI	SW8260	
Dibromochloromethane	ND	9.5	1.1	ug/Kg	10/04/14	JLI	SW8260	
Dibromomethane	ND	9.5	1.2	ug/Kg	10/04/14	JLI	SW8260	
Dichlorodifluoromethane	ND	9.5	2.5	ug/Kg	10/04/14	JLI	SW8260	
Ethylbenzene	ND	9.5	1.7	ug/Kg	10/04/14	JLI	SW8260	
Hexachlorobutadiene	ND	260	54	ug/Kg	10/04/14	JLI	SW8260	
Isopropylbenzene	ND	260	49	ug/Kg	10/04/14	JLI	SW8260	
m&p-Xylene	ND	9.5	3.7	ug/Kg	10/04/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	57	8.2	ug/Kg	10/04/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	19	2.6	ug/Kg	10/04/14	JLI	SW8260	
Methylene chloride	ND	9.5	1.6	ug/Kg	10/04/14	JLI	SW8260	B
Naphthalene	ND	260	69	ug/Kg	10/04/14	JLI	SW8260	
n-Butylbenzene	ND	260	47	ug/Kg	10/04/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
n-Propylbenzene	ND	260	46	ug/Kg	10/04/14	JLI	SW8260	
o-Xylene	ND	9.5	3.6	ug/Kg	10/04/14	JLI	SW8260	
p-Isopropyltoluene	ND	260	37	ug/Kg	10/04/14	JLI	SW8260	
sec-Butylbenzene	ND	260	48	ug/Kg	10/04/14	JLI	SW8260	
Styrene	ND	9.5	2.7	ug/Kg	10/04/14	JLI	SW8260	
tert-Butylbenzene	ND	260	41	ug/Kg	10/04/14	JLI	SW8260	
Tetrachloroethene	ND	9.5	2.0	ug/Kg	10/04/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	19	8.5	ug/Kg	10/04/14	JLI	SW8260	1
Toluene	ND	9.5	1.5	ug/Kg	10/04/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	9.5	1.9	ug/Kg	10/04/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	9.5	1.9	ug/Kg	10/04/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	510	480	ug/Kg	10/04/14	JLI	SW8260	
Trichloroethene	ND	9.5	2.0	ug/Kg	10/04/14	JLI	SW8260	
Trichlorofluoromethane	ND	9.5	2.1	ug/Kg	10/04/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	9.5	1.5	ug/Kg	10/04/14	JLI	SW8260	
Vinyl chloride	ND	9.5	3.1	ug/Kg	10/04/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	10/04/14	JLI	70 - 121 %	
% Bromofluorobenzene	104			%	10/04/14	JLI	59 - 113 %	
% Dibromofluoromethane	91			%	10/04/14	JLI	70 - 130 %	
% Toluene-d8	97			%	10/04/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	10/03/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	240	110	ug/Kg	10/03/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	240	98	ug/Kg	10/03/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	240	110	ug/Kg	10/03/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	240	100	ug/Kg	10/03/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	240	100	ug/Kg	10/03/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	10/03/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	240	110	ug/Kg	10/03/14	DD	SW 8270	
2,4-Dichlorophenol	ND	240	120	ug/Kg	10/03/14	DD	SW 8270	
2,4-Dimethylphenol	ND	240	87	ug/Kg	10/03/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1700	240	ug/Kg	10/03/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	240	140	ug/Kg	10/03/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	240	110	ug/Kg	10/03/14	DD	SW 8270	
2-Chloronaphthalene	ND	240	99	ug/Kg	10/03/14	DD	SW 8270	
2-Chlorophenol	ND	240	99	ug/Kg	10/03/14	DD	SW 8270	
2-Methylnaphthalene	ND	240	100	ug/Kg	10/03/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	10/03/14	DD	SW 8270	
2-Nitroaniline	ND	1700	350	ug/Kg	10/03/14	DD	SW 8270	
2-Nitrophenol	ND	240	220	ug/Kg	10/03/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	10/03/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	700	160	ug/Kg	10/03/14	DD	SW 8270	
3-Nitroaniline	ND	1700	760	ug/Kg	10/03/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1700	380	ug/Kg	10/03/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	10/03/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	10/03/14	DD	SW 8270	
4-Chloroaniline	ND	700	160	ug/Kg	10/03/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	10/03/14	DD	SW 8270	

Project ID: 26 WEST ST., BROOKLYN
Client ID: B8 0-2 FT

Phoenix I.D.: BH22465

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitroaniline	ND		1700	120	ug/Kg	10/03/14	DD	SW 8270	
4-Nitrophenol	ND		1700	160	ug/Kg	10/03/14	DD	SW 8270	
Acenaphthene	110	J	240	110	ug/Kg	10/03/14	DD	SW 8270	
Acenaphthylene	ND		240	98	ug/Kg	10/03/14	DD	SW 8270	
Acetophenone	ND		240	110	ug/Kg	10/03/14	DD	SW 8270	
Aniline	ND		1700	710	ug/Kg	10/03/14	DD	SW 8270	
Anthracene	230	J	240	110	ug/Kg	10/03/14	DD	SW 8270	
Benz(a)anthracene	730		240	120	ug/Kg	10/03/14	DD	SW 8270	
Benzidine	ND		700	210	ug/Kg	10/03/14	DD	SW 8270	
Benzo(a)pyrene	560		240	110	ug/Kg	10/03/14	DD	SW 8270	
Benzo(b)fluoranthene	750		240	120	ug/Kg	10/03/14	DD	SW 8270	
Benzo(ghi)perylene	270		240	110	ug/Kg	10/03/14	DD	SW 8270	
Benzo(k)fluoranthene	240	J	240	120	ug/Kg	10/03/14	DD	SW 8270	
Benzoic acid	ND		1700	700	ug/Kg	10/03/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		240	90	ug/Kg	10/03/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		240	96	ug/Kg	10/03/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		240	94	ug/Kg	10/03/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		240	97	ug/Kg	10/03/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		240	100	ug/Kg	10/03/14	DD	SW 8270	
Carbazole	ND		1700	260	ug/Kg	10/03/14	DD	SW 8270	
Chrysene	700		240	120	ug/Kg	10/03/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		240	110	ug/Kg	10/03/14	DD	SW 8270	
Dibenzofuran	ND		240	100	ug/Kg	10/03/14	DD	SW 8270	
Diethyl phthalate	ND		240	110	ug/Kg	10/03/14	DD	SW 8270	
Dimethylphthalate	ND		240	110	ug/Kg	10/03/14	DD	SW 8270	
Di-n-butylphthalate	ND		240	93	ug/Kg	10/03/14	DD	SW 8270	
Di-n-octylphthalate	ND		240	90	ug/Kg	10/03/14	DD	SW 8270	
Fluoranthene	1700		240	110	ug/Kg	10/03/14	DD	SW 8270	
Fluorene	ND		240	120	ug/Kg	10/03/14	DD	SW 8270	
Hexachlorobenzene	ND		240	100	ug/Kg	10/03/14	DD	SW 8270	
Hexachlorobutadiene	ND		240	130	ug/Kg	10/03/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		240	110	ug/Kg	10/03/14	DD	SW 8270	
Hexachloroethane	ND		240	100	ug/Kg	10/03/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	230	J	240	120	ug/Kg	10/03/14	DD	SW 8270	
Isophorone	ND		240	98	ug/Kg	10/03/14	DD	SW 8270	
Naphthalene	ND		240	100	ug/Kg	10/03/14	DD	SW 8270	
Nitrobenzene	ND		240	120	ug/Kg	10/03/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		240	98	ug/Kg	10/03/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		240	110	ug/Kg	10/03/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		240	130	ug/Kg	10/03/14	DD	SW 8270	
Pentachloronitrobenzene	ND		240	130	ug/Kg	10/03/14	DD	SW 8270	
Pentachlorophenol	ND		240	130	ug/Kg	10/03/14	DD	SW 8270	
Phenanthrene	1700		240	100	ug/Kg	10/03/14	DD	SW 8270	
Phenol	ND		240	110	ug/Kg	10/03/14	DD	SW 8270	
Pyrene	1600		240	120	ug/Kg	10/03/14	DD	SW 8270	
Pyridine	ND		240	86	ug/Kg	10/03/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	97				%	10/03/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	91				%	10/03/14	DD	30 - 115 %	

Project ID: 26 WEST ST., BROOKLYN
Client ID: B8 0-2 FT

Phoenix I.D.: BH22465

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorophenol	87			%	10/03/14	DD	25 - 121 %
% Nitrobenzene-d5	88			%	10/03/14	DD	23 - 120 %
% Phenol-d5	90			%	10/03/14	DD	24 - 113 %
% Terphenyl-d14	94			%	10/03/14	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 Quanitation) 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.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

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 27, 2014
Reviewed and Released by: Tina Covensky

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

NY # 11301

Analysis Report

October 27, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/01/14	10:30
Location Code:	EBC	Received by:	LB	10/02/14	16:37
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH22463
Phoenix ID: BH22466

Project ID: 26 WEST ST., BROOKLYN
Client ID: B8 11-13 FT

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.38		0.38	0.38	mg/Kg	10/06/14	LK	SW6010
Aluminum	5850	N	38	7.6	mg/Kg	10/06/14	LK	SW6010
Arsenic	3.5		0.8	0.76	mg/Kg	10/06/14	LK	SW6010
Barium	31.1		0.8	0.38	mg/Kg	10/06/14	LK	SW6010
Beryllium	0.38		0.31	0.15	mg/Kg	10/06/14	LK	SW6010
Calcium	693	*	3.8	3.5	mg/Kg	10/06/14	LK	SW6010
Cadmium	< 0.38		0.38	0.15	mg/Kg	10/06/14	LK	SW6010
Cobalt	6.86		0.38	0.38	mg/Kg	10/06/14	LK	SW6010
Chromium	15.1		0.38	0.38	mg/Kg	10/06/14	LK	SW6010
Copper	10.0		0.38	0.38	mg/kg	10/06/14	LK	SW6010
Iron	15400		38	38	mg/Kg	10/06/14	LK	SW6010
Mercury	< 0.07		0.07	0.05	mg/Kg	10/03/14	RS	SW-7471
Potassium	1110	N	8	3.0	mg/Kg	10/06/14	LK	SW6010
Magnesium	1860		3.8	3.8	mg/Kg	10/06/14	LK	SW6010
Manganese	246		3.8	3.8	mg/Kg	10/06/14	LK	SW6010
Sodium	59		8	3.3	mg/Kg	10/06/14	LK	SW6010
Nickel	12.1		0.38	0.38	mg/Kg	10/06/14	LK	SW6010
Lead	6.0		0.8	0.38	mg/Kg	10/06/14	LK	SW6010
Antimony	< 1.9		1.9	1.9	mg/Kg	10/06/14	LK	SW6010
Selenium	< 1.5		1.5	1.3	mg/Kg	10/06/14	LK	SW6010
Thallium	< 1.5		1.5	1.5	mg/Kg	10/06/14	LK	SW6010
Vanadium	18.3		0.4	0.38	mg/Kg	10/06/14	LK	SW6010
Zinc	31.8		0.8	0.38	mg/Kg	10/06/14	LK	SW6010
Percent Solid	86				%	10/02/14	I	E160.3
Soil Extraction for PCB	Completed					10/02/14	BB	SW3545
Soil Extraction for Pesticide	Completed					10/02/14	BB/H	SW3545
Soil Extraction for SVOA	Completed					10/02/14	JJ/VH	SW3545
Mercury Digestion	Completed					10/03/14	I/I	SW7471

Project ID: 26 WEST ST., BROOKLYN
Client ID: B8 11-13 FT

Phoenix I.D.: BH22466

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				10/02/14	CB/AG	SW846 - 3050
Field Extraction	Completed				10/01/14		SW5035
Polychlorinated Biphenyls							
PCB-1016	ND	38	38	ug/Kg	10/03/14	AW	SW 8082
PCB-1221	ND	38	38	ug/Kg	10/03/14	AW	SW 8082
PCB-1232	ND	38	38	ug/Kg	10/03/14	AW	SW 8082
PCB-1242	ND	38	38	ug/Kg	10/03/14	AW	SW 8082
PCB-1248	ND	38	38	ug/Kg	10/03/14	AW	SW 8082
PCB-1254	ND	38	38	ug/Kg	10/03/14	AW	SW 8082
PCB-1260	ND	38	38	ug/Kg	10/03/14	AW	SW 8082
PCB-1262	ND	38	38	ug/Kg	10/03/14	AW	SW 8082
PCB-1268	ND	38	38	ug/Kg	10/03/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	86			%	10/03/14	AW	30 - 150 %
% TCMX	81			%	10/03/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.8	2.8	ug/Kg	10/03/14	CE	SW8081
4,4' -DDE	ND	2.8	2.8	ug/Kg	10/03/14	CE	SW8081
4,4' -DDT	ND	2.8	2.8	ug/Kg	10/03/14	CE	SW8081
a-BHC	ND	3.8	3.8	ug/Kg	10/03/14	CE	SW8081
a-Chlordane	ND	3.8	3.8	ug/Kg	10/03/14	CE	SW8081
Aldrin	ND	1.9	1.9	ug/Kg	10/03/14	CE	SW8081
b-BHC	ND	3.8	3.8	ug/Kg	10/03/14	CE	SW8081
Chlordane	ND	38	38	ug/Kg	10/03/14	CE	SW8081
d-BHC	ND	3.8	3.8	ug/Kg	10/03/14	CE	SW8081
Dieldrin	ND	1.9	1.9	ug/Kg	10/03/14	CE	SW8081
Endosulfan I	ND	3.8	3.8	ug/Kg	10/03/14	CE	SW8081
Endosulfan II	ND	3.8	3.8	ug/Kg	10/03/14	CE	SW8081
Endosulfan sulfate	ND	3.8	3.8	ug/Kg	10/03/14	CE	SW8081
Endrin	ND	3.8	3.8	ug/Kg	10/03/14	CE	SW8081
Endrin aldehyde	ND	3.8	3.8	ug/Kg	10/03/14	CE	SW8081
Endrin ketone	ND	1.9	1.9	ug/Kg	10/03/14	CE	SW8081
g-BHC	ND	3.8	3.8	ug/Kg	10/03/14	CE	SW8081
g-Chlordane	ND	3.8	3.8	ug/Kg	10/03/14	CE	SW8081
Heptachlor	ND	3.8	3.8	ug/Kg	10/03/14	CE	SW8081
Heptachlor epoxide	ND	1.9	1.9	ug/Kg	10/03/14	CE	SW8081
Methoxychlor	ND	7.7	7.7	ug/Kg	10/03/14	CE	SW8081
Toxaphene	ND	190	190	ug/Kg	10/03/14	CE	SW8081
QA/QC Surrogates							
% DCBP	90			%	10/03/14	CE	30 - 150 %
% TCMX	74			%	10/03/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	22	3.6	ug/Kg	10/04/14	JLI	SW8260
1,1,1-Trichloroethane	ND	22	4.4	ug/Kg	10/04/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	22	3.1	ug/Kg	10/04/14	JLI	SW8260
1,1,2-Trichloroethane	ND	22	2.1	ug/Kg	10/04/14	JLI	SW8260
1,1-Dichloroethane	ND	22	4.3	ug/Kg	10/04/14	JLI	SW8260

Project ID: 26 WEST ST., BROOKLYN
Client ID: B8 11-13 FT

Phoenix I.D.: BH22466

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND		22	4.8	ug/Kg	10/04/14	JLI	SW8260	
1,1-Dichloropropene	ND		22	4.2	ug/Kg	10/04/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		22	4.4	ug/Kg	10/04/14	JLI	SW8260	
1,2,3-Trichloropropane	ND		22	3.1	ug/Kg	10/04/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		22	4.4	ug/Kg	10/04/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND		22	3.1	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		22	5.9	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dibromoethane	ND		22	5.8	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		22	2.4	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dichloroethane	ND		20	1.9	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dichloropropane	ND		22	3.1	ug/Kg	10/04/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND		22	2.9	ug/Kg	10/04/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		22	3.2	ug/Kg	10/04/14	JLI	SW8260	
1,3-Dichloropropane	ND		22	2.3	ug/Kg	10/04/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		22	3.5	ug/Kg	10/04/14	JLI	SW8260	
2,2-Dichloropropane	ND		22	3.7	ug/Kg	10/04/14	JLI	SW8260	
2-Chlorotoluene	ND		22	3.5	ug/Kg	10/04/14	JLI	SW8260	
2-Hexanone	ND		110	9.8	ug/Kg	10/04/14	JLI	SW8260	
2-Isopropyltoluene	ND		22	3.0	ug/Kg	10/04/14	JLI	SW8260	1
4-Chlorotoluene	ND		22	2.5	ug/Kg	10/04/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		110	5.2	ug/Kg	10/04/14	JLI	SW8260	
Acetone	ND		50	22	ug/Kg	10/04/14	JLI	SW8260	
Acrylonitrile	ND		44	12	ug/Kg	10/04/14	JLI	SW8260	
Benzene	ND		22	4.3	ug/Kg	10/04/14	JLI	SW8260	
Bromobenzene	ND		22	2.8	ug/Kg	10/04/14	JLI	SW8260	
Bromochloromethane	ND		22	3.2	ug/Kg	10/04/14	JLI	SW8260	
Bromodichloromethane	ND		22	2.7	ug/Kg	10/04/14	JLI	SW8260	
Bromoform	ND		22	3.1	ug/Kg	10/04/14	JLI	SW8260	
Bromomethane	ND		22	17	ug/Kg	10/04/14	JLI	SW8260	
Carbon Disulfide	ND		22	3.5	ug/Kg	10/04/14	JLI	SW8260	
Carbon tetrachloride	ND		22	2.5	ug/Kg	10/04/14	JLI	SW8260	
Chlorobenzene	ND		22	3.2	ug/Kg	10/04/14	JLI	SW8260	
Chloroethane	ND		22	5.1	ug/Kg	10/04/14	JLI	SW8260	
Chloroform	ND		22	4.0	ug/Kg	10/04/14	JLI	SW8260	
Chloromethane	ND		22	11	ug/Kg	10/04/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		22	4.8	ug/Kg	10/04/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		22	2.4	ug/Kg	10/04/14	JLI	SW8260	
Dibromochloromethane	ND		22	2.4	ug/Kg	10/04/14	JLI	SW8260	
Dibromomethane	ND		22	2.8	ug/Kg	10/04/14	JLI	SW8260	
Dichlorodifluoromethane	ND		22	5.8	ug/Kg	10/04/14	JLI	SW8260	
Ethylbenzene	ND		22	4.0	ug/Kg	10/04/14	JLI	SW8260	
Hexachlorobutadiene	ND		22	4.6	ug/Kg	10/04/14	JLI	SW8260	
Isopropylbenzene	ND		22	4.2	ug/Kg	10/04/14	JLI	SW8260	
m&p-Xylene	ND		22	8.6	ug/Kg	10/04/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		120	19	ug/Kg	10/04/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		44	6.0	ug/Kg	10/04/14	JLI	SW8260	
Methylene chloride	6.2	JBS	22	3.6	ug/Kg	10/04/14	JLI	SW8260	B*
Naphthalene	ND		22	5.9	ug/Kg	10/04/14	JLI	SW8260	
n-Butylbenzene	ND		22	4.0	ug/Kg	10/04/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
n-Propylbenzene	ND	22	3.9	ug/Kg	10/04/14	JLI	SW8260	
o-Xylene	ND	22	8.4	ug/Kg	10/04/14	JLI	SW8260	
p-Isopropyltoluene	ND	22	3.1	ug/Kg	10/04/14	JLI	SW8260	
sec-Butylbenzene	ND	22	4.1	ug/Kg	10/04/14	JLI	SW8260	
Styrene	ND	22	6.3	ug/Kg	10/04/14	JLI	SW8260	
tert-Butylbenzene	ND	22	3.5	ug/Kg	10/04/14	JLI	SW8260	
Tetrachloroethene	ND	22	4.6	ug/Kg	10/04/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	44	20	ug/Kg	10/04/14	JLI	SW8260	1
Toluene	ND	22	3.5	ug/Kg	10/04/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	22	4.4	ug/Kg	10/04/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	22	4.5	ug/Kg	10/04/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	44	41	ug/Kg	10/04/14	JLI	SW8260	
Trichloroethene	ND	22	4.6	ug/Kg	10/04/14	JLI	SW8260	
Trichlorofluoromethane	ND	22	4.9	ug/Kg	10/04/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	22	3.4	ug/Kg	10/04/14	JLI	SW8260	
Vinyl chloride	ND	20	7.1	ug/Kg	10/04/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	10/04/14	JLI	70 - 121 %	
% Bromofluorobenzene	100			%	10/04/14	JLI	59 - 113 %	
% Dibromofluoromethane	92			%	10/04/14	JLI	70 - 130 %	
% Toluene-d8	100			%	10/04/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	270	130	ug/Kg	10/03/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	10/03/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
2,4-Dichlorophenol	ND	270	130	ug/Kg	10/03/14	DD	SW 8270	
2,4-Dimethylphenol	ND	270	94	ug/Kg	10/03/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1900	270	ug/Kg	10/03/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	270	150	ug/Kg	10/03/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
2-Chloronaphthalene	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
2-Chlorophenol	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
2-Methylnaphthalene	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	270	180	ug/Kg	10/03/14	DD	SW 8270	
2-Nitroaniline	ND	1900	380	ug/Kg	10/03/14	DD	SW 8270	
2-Nitrophenol	ND	270	240	ug/Kg	10/03/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	270	150	ug/Kg	10/03/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	760	180	ug/Kg	10/03/14	DD	SW 8270	
3-Nitroaniline	ND	1900	830	ug/Kg	10/03/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1900	410	ug/Kg	10/03/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	270	130	ug/Kg	10/03/14	DD	SW 8270	
4-Chloroaniline	ND	760	180	ug/Kg	10/03/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	270	130	ug/Kg	10/03/14	DD	SW 8270	

Project ID: 26 WEST ST., BROOKLYN
Client ID: B8 11-13 FT

Phoenix I.D.: BH22466

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitroaniline	ND	1900	130	ug/Kg	10/03/14	DD	SW 8270	
4-Nitrophenol	ND	1900	170	ug/Kg	10/03/14	DD	SW 8270	
Acenaphthene	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
Acenaphthylene	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
Acetophenone	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
Aniline	ND	1900	770	ug/Kg	10/03/14	DD	SW 8270	
Anthracene	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
Benz(a)anthracene	ND	270	130	ug/Kg	10/03/14	DD	SW 8270	
Benzidine	ND	760	220	ug/Kg	10/03/14	DD	SW 8270	
Benzo(a)pyrene	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	270	130	ug/Kg	10/03/14	DD	SW 8270	
Benzo(ghi)perylene	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	270	130	ug/Kg	10/03/14	DD	SW 8270	
Benzoic acid	ND	1900	760	ug/Kg	10/03/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	270	98	ug/Kg	10/03/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	270	100	ug/Kg	10/03/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	270	100	ug/Kg	10/03/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
Carbazole	ND	1900	290	ug/Kg	10/03/14	DD	SW 8270	
Chrysene	ND	270	130	ug/Kg	10/03/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
Dibenzofuran	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
Diethyl phthalate	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
Dimethylphthalate	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
Di-n-butylphthalate	ND	270	100	ug/Kg	10/03/14	DD	SW 8270	
Di-n-octylphthalate	ND	270	98	ug/Kg	10/03/14	DD	SW 8270	
Fluoranthene	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
Fluorene	ND	270	130	ug/Kg	10/03/14	DD	SW 8270	
Hexachlorobenzene	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
Hexachlorobutadiene	ND	270	140	ug/Kg	10/03/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
Hexachloroethane	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	270	130	ug/Kg	10/03/14	DD	SW 8270	
Isophorone	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
Naphthalene	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
Nitrobenzene	ND	270	130	ug/Kg	10/03/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	270	150	ug/Kg	10/03/14	DD	SW 8270	
Pentachloronitrobenzene	ND	270	140	ug/Kg	10/03/14	DD	SW 8270	
Pentachlorophenol	ND	270	140	ug/Kg	10/03/14	DD	SW 8270	
Phenanthrene	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
Phenol	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
Pyrene	ND	270	130	ug/Kg	10/03/14	DD	SW 8270	
Pyridine	ND	270	93	ug/Kg	10/03/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	87			%	10/03/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	73			%	10/03/14	DD	30 - 115 %	

Project ID: 26 WEST ST., BROOKLYN
Client ID: B8 11-13 FT

Phoenix I.D.: BH22466

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorophenol	73			%	10/03/14	DD	25 - 121 %
% Nitrobenzene-d5	72			%	10/03/14	DD	23 - 120 %
% Phenol-d5	77			%	10/03/14	DD	24 - 113 %
% Terphenyl-d14	85			%	10/03/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B* = Present in blank, a bias is possible.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level 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 27, 2014
Reviewed and Released by: Tina Covensky

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

NY # 11301

Analysis Report

October 27, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/01/14	12:00
Location Code:	EBC	Received by:	LB	10/02/14	16:37
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH22463
Phoenix ID: BH22467

Project ID: 26 WEST ST., BROOKLYN
Client ID: B7 0-2 FT

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.35		0.35	0.35	mg/Kg	10/06/14	LK	SW6010
Aluminum	9330	N	35	7.0	mg/Kg	10/06/14	LK	SW6010
Arsenic	2.1		0.7	0.70	mg/Kg	10/06/14	LK	SW6010
Barium	72.5		0.7	0.35	mg/Kg	10/06/14	LK	SW6010
Beryllium	0.47		0.28	0.14	mg/Kg	10/06/14	LK	SW6010
Calcium	1350	*	3.5	3.2	mg/Kg	10/06/14	LK	SW6010
Cadmium	< 0.35		0.35	0.14	mg/Kg	10/06/14	LK	SW6010
Cobalt	5.68		0.35	0.35	mg/Kg	10/06/14	LK	SW6010
Chromium	12.3		0.35	0.35	mg/Kg	10/06/14	LK	SW6010
Copper	55.1		0.35	0.35	mg/kg	10/06/14	LK	SW6010
Iron	14100		35	35	mg/Kg	10/06/14	LK	SW6010
Mercury	0.20		0.06	0.04	mg/Kg	10/03/14	RS	SW-7471
Potassium	895	N	7	2.7	mg/Kg	10/06/14	LK	SW6010
Magnesium	2230		3.5	3.5	mg/Kg	10/06/14	LK	SW6010
Manganese	392		3.5	3.5	mg/Kg	10/06/14	LK	SW6010
Sodium	139		7	3.0	mg/Kg	10/06/14	LK	SW6010
Nickel	13.1		0.35	0.35	mg/Kg	10/06/14	LK	SW6010
Lead	29.6		0.7	0.35	mg/Kg	10/06/14	LK	SW6010
Antimony	< 1.7		1.7	1.7	mg/Kg	10/06/14	LK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	10/06/14	LK	SW6010
Thallium	< 1.4		1.4	1.4	mg/Kg	10/06/14	LK	SW6010
Vanadium	15.8		0.3	0.35	mg/Kg	10/06/14	LK	SW6010
Zinc	87.0		0.7	0.35	mg/Kg	10/06/14	LK	SW6010
Percent Solid	91				%	10/02/14	I	E160.3
Soil Extraction for PCB	Completed					10/02/14	BB	SW3545
Soil Extraction for Pesticide	Completed					10/02/14	BB/H	SW3545
Soil Extraction for SVOA	Completed					10/02/14	JJ/VH	SW3545
Mercury Digestion	Completed					10/03/14	I/I	SW7471

Project ID: 26 WEST ST., BROOKLYN
Client ID: B7 0-2 FT

Phoenix I.D.: BH22467

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				10/02/14	CB/AG	SW846 - 3050
Field Extraction	Completed				10/01/14		SW5035
Polychlorinated Biphenyls							
PCB-1016	ND	36	36	ug/Kg	10/03/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	10/03/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	10/03/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	10/03/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	10/03/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	10/03/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	10/03/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	10/03/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	10/03/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	76			%	10/03/14	AW	30 - 150 %
% TCMX	74			%	10/03/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.6	2.6	ug/Kg	10/03/14	CE	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	10/03/14	CE	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	10/03/14	CE	SW8081
a-BHC	ND	3.6	3.6	ug/Kg	10/03/14	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	10/03/14	CE	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	10/03/14	CE	SW8081
b-BHC	ND	3.6	3.6	ug/Kg	10/03/14	CE	SW8081
Chlordane	ND	36	36	ug/Kg	10/03/14	CE	SW8081
d-BHC	ND	3.6	3.6	ug/Kg	10/03/14	CE	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	10/03/14	CE	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	10/03/14	CE	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	10/03/14	CE	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	10/03/14	CE	SW8081
Endrin	ND	3.6	3.6	ug/Kg	10/03/14	CE	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	10/03/14	CE	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	10/03/14	CE	SW8081
g-BHC	ND	3.6	3.6	ug/Kg	10/03/14	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	10/03/14	CE	SW8081
Heptachlor	ND	3.6	3.6	ug/Kg	10/03/14	CE	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	10/03/14	CE	SW8081
Methoxychlor	ND	7.2	7.2	ug/Kg	10/03/14	CE	SW8081
Toxaphene	ND	180	180	ug/Kg	10/03/14	CE	SW8081
QA/QC Surrogates							
% DCBP	88			%	10/03/14	CE	30 - 150 %
% TCMX	81			%	10/03/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.8	0.95	ug/Kg	10/04/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.8	1.2	ug/Kg	10/04/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.8	0.82	ug/Kg	10/04/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.8	0.57	ug/Kg	10/04/14	JLI	SW8260
1,1-Dichloroethane	ND	5.8	1.1	ug/Kg	10/04/14	JLI	SW8260

Project ID: 26 WEST ST., BROOKLYN
Client ID: B7 0-2 FT

Phoenix I.D.: BH22467

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND		5.8	1.3	ug/Kg	10/04/14	JLI	SW8260	
1,1-Dichloropropene	ND		5.8	1.1	ug/Kg	10/04/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		5.8	1.2	ug/Kg	10/04/14	JLI	SW8260	
1,2,3-Trichloropropane	ND		5.8	0.82	ug/Kg	10/04/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		5.8	1.2	ug/Kg	10/04/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND		5.8	0.83	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.8	1.5	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dibromoethane	ND		5.8	1.5	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		5.8	0.63	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dichloroethane	ND		5.8	0.51	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dichloropropane	ND		5.8	0.82	ug/Kg	10/04/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND		5.8	0.76	ug/Kg	10/04/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		5.8	0.85	ug/Kg	10/04/14	JLI	SW8260	
1,3-Dichloropropane	ND		5.8	0.61	ug/Kg	10/04/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		5.8	0.91	ug/Kg	10/04/14	JLI	SW8260	
2,2-Dichloropropane	ND		5.8	0.97	ug/Kg	10/04/14	JLI	SW8260	
2-Chlorotoluene	ND		5.8	0.92	ug/Kg	10/04/14	JLI	SW8260	
2-Hexanone	ND		29	2.6	ug/Kg	10/04/14	JLI	SW8260	
2-Isopropyltoluene	ND		5.8	0.80	ug/Kg	10/04/14	JLI	SW8260	1
4-Chlorotoluene	ND		5.8	0.67	ug/Kg	10/04/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		29	1.4	ug/Kg	10/04/14	JLI	SW8260	
Acetone	ND		50	5.7	ug/Kg	10/04/14	JLI	SW8260	
Acrylonitrile	ND		12	3.2	ug/Kg	10/04/14	JLI	SW8260	
Benzene	ND		5.8	1.1	ug/Kg	10/04/14	JLI	SW8260	
Bromobenzene	ND		5.8	0.75	ug/Kg	10/04/14	JLI	SW8260	
Bromochloromethane	ND		5.8	0.84	ug/Kg	10/04/14	JLI	SW8260	
Bromodichloromethane	ND		5.8	0.72	ug/Kg	10/04/14	JLI	SW8260	
Bromoform	ND		5.8	0.81	ug/Kg	10/04/14	JLI	SW8260	
Bromomethane	ND		5.8	4.4	ug/Kg	10/04/14	JLI	SW8260	
Carbon Disulfide	ND		5.8	0.93	ug/Kg	10/04/14	JLI	SW8260	
Carbon tetrachloride	ND		5.8	0.67	ug/Kg	10/04/14	JLI	SW8260	
Chlorobenzene	ND		5.8	0.85	ug/Kg	10/04/14	JLI	SW8260	
Chloroethane	ND		5.8	1.4	ug/Kg	10/04/14	JLI	SW8260	
Chloroform	ND		5.8	1.1	ug/Kg	10/04/14	JLI	SW8260	
Chloromethane	ND		5.8	3.0	ug/Kg	10/04/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.8	1.3	ug/Kg	10/04/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.8	0.62	ug/Kg	10/04/14	JLI	SW8260	
Dibromochloromethane	ND		5.8	0.65	ug/Kg	10/04/14	JLI	SW8260	
Dibromomethane	ND		5.8	0.73	ug/Kg	10/04/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.8	1.5	ug/Kg	10/04/14	JLI	SW8260	
Ethylbenzene	ND		5.8	1.1	ug/Kg	10/04/14	JLI	SW8260	
Hexachlorobutadiene	ND		5.8	1.2	ug/Kg	10/04/14	JLI	SW8260	
Isopropylbenzene	ND		5.8	1.1	ug/Kg	10/04/14	JLI	SW8260	
m&p-Xylene	ND		5.8	2.3	ug/Kg	10/04/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		35	5.0	ug/Kg	10/04/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		12	1.6	ug/Kg	10/04/14	JLI	SW8260	
Methylene chloride	1.5	JBS	5.8	0.95	ug/Kg	10/04/14	JLI	SW8260	B*
Naphthalene	ND		5.8	1.5	ug/Kg	10/04/14	JLI	SW8260	
n-Butylbenzene	ND		5.8	1.1	ug/Kg	10/04/14	JLI	SW8260	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
n-Propylbenzene	ND		5.8	1.0	ug/Kg	10/04/14	JLI	SW8260	
o-Xylene	ND		5.8	2.2	ug/Kg	10/04/14	JLI	SW8260	
p-Isopropyltoluene	ND		5.8	0.83	ug/Kg	10/04/14	JLI	SW8260	
sec-Butylbenzene	ND		5.8	1.1	ug/Kg	10/04/14	JLI	SW8260	
Styrene	ND		5.8	1.7	ug/Kg	10/04/14	JLI	SW8260	
tert-Butylbenzene	ND		5.8	0.92	ug/Kg	10/04/14	JLI	SW8260	
Tetrachloroethene	ND		5.8	1.2	ug/Kg	10/04/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND		12	5.2	ug/Kg	10/04/14	JLI	SW8260	1
Toluene	ND		5.8	0.91	ug/Kg	10/04/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND		5.8	1.2	ug/Kg	10/04/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND		5.8	1.2	ug/Kg	10/04/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND		12	11	ug/Kg	10/04/14	JLI	SW8260	
Trichloroethene	ND		5.8	1.2	ug/Kg	10/04/14	JLI	SW8260	
Trichlorofluoromethane	ND		5.8	1.3	ug/Kg	10/04/14	JLI	SW8260	
Trichlorotrifluoroethane	ND		5.8	0.90	ug/Kg	10/04/14	JLI	SW8260	
Vinyl chloride	ND		5.8	1.9	ug/Kg	10/04/14	JLI	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100				%	10/04/14	JLI	70 - 121 %	
% Bromofluorobenzene	98				%	10/04/14	JLI	59 - 113 %	
% Dibromofluoromethane	89				%	10/04/14	JLI	70 - 130 %	
% Toluene-d8	100				%	10/04/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND		250	130	ug/Kg	10/03/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND		250	110	ug/Kg	10/03/14	DD	SW 8270	
1,2-Dichlorobenzene	ND		250	100	ug/Kg	10/03/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND		250	120	ug/Kg	10/03/14	DD	SW 8270	
1,3-Dichlorobenzene	ND		250	110	ug/Kg	10/03/14	DD	SW 8270	
1,4-Dichlorobenzene	ND		250	110	ug/Kg	10/03/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND		250	200	ug/Kg	10/03/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND		250	110	ug/Kg	10/03/14	DD	SW 8270	
2,4-Dichlorophenol	ND		250	130	ug/Kg	10/03/14	DD	SW 8270	
2,4-Dimethylphenol	ND		250	89	ug/Kg	10/03/14	DD	SW 8270	
2,4-Dinitrophenol	ND		1800	250	ug/Kg	10/03/14	DD	SW 8270	
2,4-Dinitrotoluene	ND		250	140	ug/Kg	10/03/14	DD	SW 8270	
2,6-Dinitrotoluene	ND		250	110	ug/Kg	10/03/14	DD	SW 8270	
2-Chloronaphthalene	ND		250	100	ug/Kg	10/03/14	DD	SW 8270	
2-Chlorophenol	ND		250	100	ug/Kg	10/03/14	DD	SW 8270	
2-Methylnaphthalene	170	J	250	110	ug/Kg	10/03/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	10/03/14	DD	SW 8270	
2-Nitroaniline	ND		1800	360	ug/Kg	10/03/14	DD	SW 8270	
2-Nitrophenol	ND		250	230	ug/Kg	10/03/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	10/03/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		720	170	ug/Kg	10/03/14	DD	SW 8270	
3-Nitroaniline	ND		1800	780	ug/Kg	10/03/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		1800	390	ug/Kg	10/03/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		250	110	ug/Kg	10/03/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND		250	130	ug/Kg	10/03/14	DD	SW 8270	
4-Chloroaniline	ND		720	170	ug/Kg	10/03/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	10/03/14	DD	SW 8270	

Project ID: 26 WEST ST., BROOKLYN
Client ID: B7 0-2 FT

Phoenix I.D.: BH22467

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitroaniline	ND		1800	120	ug/Kg	10/03/14	DD	SW 8270	
4-Nitrophenol	ND		1800	160	ug/Kg	10/03/14	DD	SW 8270	
Acenaphthene	300		250	110	ug/Kg	10/03/14	DD	SW 8270	
Acenaphthylene	110	J	250	100	ug/Kg	10/03/14	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	10/03/14	DD	SW 8270	
Aniline	ND		1800	720	ug/Kg	10/03/14	DD	SW 8270	
Anthracene	680		250	120	ug/Kg	10/03/14	DD	SW 8270	
Benz(a)anthracene	1200		250	120	ug/Kg	10/03/14	DD	SW 8270	
Benzidine	ND		720	210	ug/Kg	10/03/14	DD	SW 8270	
Benzo(a)pyrene	1000		250	120	ug/Kg	10/03/14	DD	SW 8270	
Benzo(b)fluoranthene	1300		250	120	ug/Kg	10/03/14	DD	SW 8270	
Benzo(ghi)perylene	480		250	120	ug/Kg	10/03/14	DD	SW 8270	
Benzo(k)fluoranthene	420		250	120	ug/Kg	10/03/14	DD	SW 8270	
Benzoic acid	ND		1800	720	ug/Kg	10/03/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		250	93	ug/Kg	10/03/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	99	ug/Kg	10/03/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		250	97	ug/Kg	10/03/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	100	ug/Kg	10/03/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	10/03/14	DD	SW 8270	
Carbazole	500	J	1800	270	ug/Kg	10/03/14	DD	SW 8270	
Chrysene	1200		250	120	ug/Kg	10/03/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		250	120	ug/Kg	10/03/14	DD	SW 8270	
Dibenzofuran	290		250	100	ug/Kg	10/03/14	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	10/03/14	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	10/03/14	DD	SW 8270	
Di-n-butylphthalate	ND		250	95	ug/Kg	10/03/14	DD	SW 8270	
Di-n-octylphthalate	ND		250	93	ug/Kg	10/03/14	DD	SW 8270	
Fluoranthene	3500		250	120	ug/Kg	10/03/14	DD	SW 8270	
Fluorene	290		250	120	ug/Kg	10/03/14	DD	SW 8270	
Hexachlorobenzene	ND		250	100	ug/Kg	10/03/14	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	10/03/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	10/03/14	DD	SW 8270	
Hexachloroethane	ND		250	110	ug/Kg	10/03/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	410		250	120	ug/Kg	10/03/14	DD	SW 8270	
Isophorone	ND		250	100	ug/Kg	10/03/14	DD	SW 8270	
Naphthalene	ND		250	100	ug/Kg	10/03/14	DD	SW 8270	
Nitrobenzene	ND		250	130	ug/Kg	10/03/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	10/03/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		250	120	ug/Kg	10/03/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		250	140	ug/Kg	10/03/14	DD	SW 8270	
Pentachloronitrobenzene	ND		250	130	ug/Kg	10/03/14	DD	SW 8270	
Pentachlorophenol	ND		250	140	ug/Kg	10/03/14	DD	SW 8270	
Phenanthrene	4000		250	100	ug/Kg	10/03/14	DD	SW 8270	
Phenol	ND		250	110	ug/Kg	10/03/14	DD	SW 8270	
Pyrene	3100		250	120	ug/Kg	10/03/14	DD	SW 8270	
Pyridine	ND		250	88	ug/Kg	10/03/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	96				%	10/03/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	75				%	10/03/14	DD	30 - 115 %	

Project ID: 26 WEST ST., BROOKLYN
Client ID: B7 0-2 FT

Phoenix I.D.: BH22467

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorophenol	65			%	10/03/14	DD	25 - 121 %
% Nitrobenzene-d5	69			%	10/03/14	DD	23 - 120 %
% Phenol-d5	73			%	10/03/14	DD	24 - 113 %
% Terphenyl-d14	90			%	10/03/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B* = Present in blank, a bias is possible.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level 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 27, 2014
Reviewed and Released by: Tina Covensky

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 27, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/01/14	12:30
Location Code:	EBC	Received by:	LB	10/02/14	16:37
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH22463
Phoenix ID: BH22468

Project ID: 26 WEST ST., BROOKLYN
Client ID: B7 11-13 FT

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.40		0.40	0.40	mg/Kg	10/06/14	LK	SW6010
Aluminum	6120	N	40	8.0	mg/Kg	10/06/14	LK	SW6010
Arsenic	3.3		0.8	0.80	mg/Kg	10/06/14	LK	SW6010
Barium	19.9		0.8	0.40	mg/Kg	10/06/14	LK	SW6010
Beryllium	0.39		0.32	0.16	mg/Kg	10/06/14	LK	SW6010
Calcium	587	*	4.0	3.7	mg/Kg	10/06/14	LK	SW6010
Cadmium	< 0.40		0.40	0.16	mg/Kg	10/06/14	LK	SW6010
Cobalt	5.68		0.40	0.40	mg/Kg	10/06/14	LK	SW6010
Chromium	11.8		0.40	0.40	mg/Kg	10/06/14	LK	SW6010
Copper	8.69		0.40	0.40	mg/kg	10/06/14	LK	SW6010
Iron	15000		40	40	mg/Kg	10/06/14	LK	SW6010
Mercury	< 0.08		0.08	0.05	mg/Kg	10/03/14	RS	SW-7471
Potassium	1110	N	8	3.1	mg/Kg	10/06/14	LK	SW6010
Magnesium	1890		4.0	4.0	mg/Kg	10/06/14	LK	SW6010
Manganese	156		0.40	0.40	mg/Kg	10/06/14	LK	SW6010
Sodium	89		8	3.5	mg/Kg	10/06/14	LK	SW6010
Nickel	8.86		0.40	0.40	mg/Kg	10/06/14	LK	SW6010
Lead	5.8		0.8	0.40	mg/Kg	10/06/14	LK	SW6010
Antimony	< 2.0		2.0	2.0	mg/Kg	10/06/14	LK	SW6010
Selenium	< 1.6		1.6	1.4	mg/Kg	10/06/14	LK	SW6010
Thallium	< 1.6		1.6	1.6	mg/Kg	10/06/14	LK	SW6010
Vanadium	19.2		0.4	0.40	mg/Kg	10/06/14	LK	SW6010
Zinc	24.3		0.8	0.40	mg/Kg	10/06/14	LK	SW6010
Percent Solid	84				%	10/02/14	I	E160.3
Soil Extraction for PCB	Completed					10/02/14	BB	SW3545
Soil Extraction for Pesticide	Completed					10/02/14	BB/H	SW3545
Soil Extraction for SVOA	Completed					10/02/14	JJ/VH	SW3545
Mercury Digestion	Completed					10/03/14	I/I	SW7471

Project ID: 26 WEST ST., BROOKLYN
Client ID: B7 11-13 FT

Phoenix I.D.: BH22468

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				10/02/14	CB/AG	SW846 - 3050
Field Extraction	Completed				10/01/14		SW5035
Polychlorinated Biphenyls							
PCB-1016	ND	39	39	ug/Kg	10/03/14	AW	SW 8082
PCB-1221	ND	39	39	ug/Kg	10/03/14	AW	SW 8082
PCB-1232	ND	39	39	ug/Kg	10/03/14	AW	SW 8082
PCB-1242	ND	39	39	ug/Kg	10/03/14	AW	SW 8082
PCB-1248	ND	39	39	ug/Kg	10/03/14	AW	SW 8082
PCB-1254	ND	39	39	ug/Kg	10/03/14	AW	SW 8082
PCB-1260	ND	39	39	ug/Kg	10/03/14	AW	SW 8082
PCB-1262	ND	39	39	ug/Kg	10/03/14	AW	SW 8082
PCB-1268	ND	39	39	ug/Kg	10/03/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	84			%	10/03/14	AW	30 - 150 %
% TCMX	81			%	10/03/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.8	2.8	ug/Kg	10/03/14	CE	SW8081
4,4' -DDE	ND	2.8	2.8	ug/Kg	10/03/14	CE	SW8081
4,4' -DDT	ND	2.8	2.8	ug/Kg	10/03/14	CE	SW8081
a-BHC	ND	3.9	3.9	ug/Kg	10/03/14	CE	SW8081
a-Chlordane	ND	3.9	3.9	ug/Kg	10/03/14	CE	SW8081
Aldrin	ND	1.9	1.9	ug/Kg	10/03/14	CE	SW8081
b-BHC	ND	3.9	3.9	ug/Kg	10/03/14	CE	SW8081
Chlordane	ND	39	39	ug/Kg	10/03/14	CE	SW8081
d-BHC	ND	3.9	3.9	ug/Kg	10/03/14	CE	SW8081
Dieldrin	ND	1.9	1.9	ug/Kg	10/03/14	CE	SW8081
Endosulfan I	ND	3.9	3.9	ug/Kg	10/03/14	CE	SW8081
Endosulfan II	ND	3.9	3.9	ug/Kg	10/03/14	CE	SW8081
Endosulfan sulfate	ND	3.9	3.9	ug/Kg	10/03/14	CE	SW8081
Endrin	ND	3.9	3.9	ug/Kg	10/03/14	CE	SW8081
Endrin aldehyde	ND	3.9	3.9	ug/Kg	10/03/14	CE	SW8081
Endrin ketone	ND	1.9	1.9	ug/Kg	10/03/14	CE	SW8081
g-BHC	ND	3.9	3.9	ug/Kg	10/03/14	CE	SW8081
g-Chlordane	ND	3.9	3.9	ug/Kg	10/03/14	CE	SW8081
Heptachlor	ND	3.9	3.9	ug/Kg	10/03/14	CE	SW8081
Heptachlor epoxide	ND	1.9	1.9	ug/Kg	10/03/14	CE	SW8081
Methoxychlor	ND	7.7	7.7	ug/Kg	10/03/14	CE	SW8081
Toxaphene	ND	190	190	ug/Kg	10/03/14	CE	SW8081
QA/QC Surrogates							
% DCBP	87			%	10/03/14	CE	30 - 150 %
% TCMX	80			%	10/03/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	7.9	1.3	ug/Kg	10/04/14	JLI	SW8260
1,1,1-Trichloroethane	ND	7.9	1.6	ug/Kg	10/04/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	7.9	1.1	ug/Kg	10/04/14	JLI	SW8260
1,1,2-Trichloroethane	ND	7.9	0.78	ug/Kg	10/04/14	JLI	SW8260
1,1-Dichloroethane	ND	7.9	1.6	ug/Kg	10/04/14	JLI	SW8260

Project ID: 26 WEST ST., BROOKLYN
Client ID: B7 11-13 FT

Phoenix I.D.: BH22468

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND		7.9	1.7	ug/Kg	10/04/14	JLI	SW8260	
1,1-Dichloropropene	ND		7.9	1.5	ug/Kg	10/04/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		7.9	1.6	ug/Kg	10/04/14	JLI	SW8260	
1,2,3-Trichloropropane	ND		7.9	1.1	ug/Kg	10/04/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		7.9	1.6	ug/Kg	10/04/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND		7.9	1.1	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		7.9	2.1	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dibromoethane	ND		7.9	2.1	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		7.9	0.87	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dichloroethane	ND		7.9	0.70	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dichloropropane	ND		7.9	1.1	ug/Kg	10/04/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND		7.9	1.0	ug/Kg	10/04/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		7.9	1.2	ug/Kg	10/04/14	JLI	SW8260	
1,3-Dichloropropane	ND		7.9	0.84	ug/Kg	10/04/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		7.9	1.3	ug/Kg	10/04/14	JLI	SW8260	
2,2-Dichloropropane	ND		7.9	1.3	ug/Kg	10/04/14	JLI	SW8260	
2-Chlorotoluene	ND		7.9	1.3	ug/Kg	10/04/14	JLI	SW8260	
2-Hexanone	ND		40	3.6	ug/Kg	10/04/14	JLI	SW8260	
2-Isopropyltoluene	ND		7.9	1.1	ug/Kg	10/04/14	JLI	SW8260	1
4-Chlorotoluene	ND		7.9	0.92	ug/Kg	10/04/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		40	1.9	ug/Kg	10/04/14	JLI	SW8260	
Acetone	ND		50	7.9	ug/Kg	10/04/14	JLI	SW8260	
Acrylonitrile	ND		16	4.4	ug/Kg	10/04/14	JLI	SW8260	
Benzene	ND		7.9	1.6	ug/Kg	10/04/14	JLI	SW8260	
Bromobenzene	ND		7.9	1.0	ug/Kg	10/04/14	JLI	SW8260	
Bromochloromethane	ND		7.9	1.2	ug/Kg	10/04/14	JLI	SW8260	
Bromodichloromethane	ND		7.9	0.98	ug/Kg	10/04/14	JLI	SW8260	
Bromoform	ND		7.9	1.1	ug/Kg	10/04/14	JLI	SW8260	
Bromomethane	ND		7.9	6.1	ug/Kg	10/04/14	JLI	SW8260	
Carbon Disulfide	ND		7.9	1.3	ug/Kg	10/04/14	JLI	SW8260	
Carbon tetrachloride	ND		7.9	0.92	ug/Kg	10/04/14	JLI	SW8260	
Chlorobenzene	ND		7.9	1.2	ug/Kg	10/04/14	JLI	SW8260	
Chloroethane	ND		7.9	1.9	ug/Kg	10/04/14	JLI	SW8260	
Chloroform	ND		7.9	1.4	ug/Kg	10/04/14	JLI	SW8260	
Chloromethane	ND		7.9	4.1	ug/Kg	10/04/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		7.9	1.7	ug/Kg	10/04/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		7.9	0.86	ug/Kg	10/04/14	JLI	SW8260	
Dibromochloromethane	ND		7.9	0.89	ug/Kg	10/04/14	JLI	SW8260	
Dibromomethane	ND		7.9	1.0	ug/Kg	10/04/14	JLI	SW8260	
Dichlorodifluoromethane	ND		7.9	2.1	ug/Kg	10/04/14	JLI	SW8260	
Ethylbenzene	ND		7.9	1.4	ug/Kg	10/04/14	JLI	SW8260	
Hexachlorobutadiene	ND		7.9	1.7	ug/Kg	10/04/14	JLI	SW8260	
Isopropylbenzene	ND		7.9	1.5	ug/Kg	10/04/14	JLI	SW8260	
m&p-Xylene	ND		7.9	3.1	ug/Kg	10/04/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		48	6.9	ug/Kg	10/04/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		16	2.2	ug/Kg	10/04/14	JLI	SW8260	
Methylene chloride	1.4	JBS	7.9	1.3	ug/Kg	10/04/14	JLI	SW8260	B*
Naphthalene	ND		7.9	2.1	ug/Kg	10/04/14	JLI	SW8260	
n-Butylbenzene	ND		7.9	1.4	ug/Kg	10/04/14	JLI	SW8260	

Project ID: 26 WEST ST., BROOKLYN
Client ID: B7 11-13 FT

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
n-Propylbenzene	ND	7.9	1.4	ug/Kg	10/04/14	JLI	SW8260	
o-Xylene	ND	7.9	3.0	ug/Kg	10/04/14	JLI	SW8260	
p-Isopropyltoluene	ND	7.9	1.1	ug/Kg	10/04/14	JLI	SW8260	
sec-Butylbenzene	ND	7.9	1.5	ug/Kg	10/04/14	JLI	SW8260	
Styrene	ND	7.9	2.3	ug/Kg	10/04/14	JLI	SW8260	
tert-Butylbenzene	ND	7.9	1.3	ug/Kg	10/04/14	JLI	SW8260	
Tetrachloroethene	ND	7.9	1.7	ug/Kg	10/04/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	16	7.1	ug/Kg	10/04/14	JLI	SW8260	1
Toluene	ND	7.9	1.3	ug/Kg	10/04/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	7.9	1.6	ug/Kg	10/04/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	7.9	1.6	ug/Kg	10/04/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	16	15	ug/Kg	10/04/14	JLI	SW8260	
Trichloroethene	ND	7.9	1.7	ug/Kg	10/04/14	JLI	SW8260	
Trichlorofluoromethane	ND	7.9	1.8	ug/Kg	10/04/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	7.9	1.2	ug/Kg	10/04/14	JLI	SW8260	
Vinyl chloride	ND	7.9	2.6	ug/Kg	10/04/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	97			%	10/04/14	JLI	70 - 121 %	
% Bromofluorobenzene	98			%	10/04/14	JLI	59 - 113 %	
% Dibromofluoromethane	92			%	10/04/14	JLI	70 - 130 %	
% Toluene-d8	99			%	10/04/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	270	140	ug/Kg	10/03/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	270	130	ug/Kg	10/03/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	10/03/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
2,4-Dichlorophenol	ND	270	140	ug/Kg	10/03/14	DD	SW 8270	
2,4-Dimethylphenol	ND	270	96	ug/Kg	10/03/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1900	270	ug/Kg	10/03/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	270	150	ug/Kg	10/03/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
2-Chloronaphthalene	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
2-Chlorophenol	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
2-Methylnaphthalene	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	270	180	ug/Kg	10/03/14	DD	SW 8270	
2-Nitroaniline	ND	1900	390	ug/Kg	10/03/14	DD	SW 8270	
2-Nitrophenol	ND	270	240	ug/Kg	10/03/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	270	150	ug/Kg	10/03/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	770	180	ug/Kg	10/03/14	DD	SW 8270	
3-Nitroaniline	ND	1900	840	ug/Kg	10/03/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1900	420	ug/Kg	10/03/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	270	140	ug/Kg	10/03/14	DD	SW 8270	
4-Chloroaniline	ND	770	180	ug/Kg	10/03/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	270	130	ug/Kg	10/03/14	DD	SW 8270	

Project ID: 26 WEST ST., BROOKLYN
Client ID: B7 11-13 FT

Phoenix I.D.: BH22468

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitroaniline	ND	1900	130	ug/Kg	10/03/14	DD	SW 8270	
4-Nitrophenol	ND	1900	170	ug/Kg	10/03/14	DD	SW 8270	
Acenaphthene	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
Acenaphthylene	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
Acetophenone	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
Aniline	ND	1900	780	ug/Kg	10/03/14	DD	SW 8270	
Anthracene	ND	270	130	ug/Kg	10/03/14	DD	SW 8270	
Benz(a)anthracene	ND	270	130	ug/Kg	10/03/14	DD	SW 8270	
Benzidine	ND	770	230	ug/Kg	10/03/14	DD	SW 8270	
Benzo(a)pyrene	ND	270	130	ug/Kg	10/03/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	270	130	ug/Kg	10/03/14	DD	SW 8270	
Benzo(ghi)perylene	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	270	130	ug/Kg	10/03/14	DD	SW 8270	
Benzoic acid	ND	1900	770	ug/Kg	10/03/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	270	100	ug/Kg	10/03/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	270	100	ug/Kg	10/03/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
Carbazole	ND	1900	290	ug/Kg	10/03/14	DD	SW 8270	
Chrysene	ND	270	130	ug/Kg	10/03/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
Dibenzofuran	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
Diethyl phthalate	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
Dimethylphthalate	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
Di-n-butylphthalate	ND	270	100	ug/Kg	10/03/14	DD	SW 8270	
Di-n-octylphthalate	ND	270	100	ug/Kg	10/03/14	DD	SW 8270	
Fluoranthene	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
Fluorene	ND	270	130	ug/Kg	10/03/14	DD	SW 8270	
Hexachlorobenzene	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
Hexachlorobutadiene	ND	270	140	ug/Kg	10/03/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
Hexachloroethane	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	270	130	ug/Kg	10/03/14	DD	SW 8270	
Isophorone	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
Naphthalene	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
Nitrobenzene	ND	270	140	ug/Kg	10/03/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	270	150	ug/Kg	10/03/14	DD	SW 8270	
Pentachloronitrobenzene	ND	270	140	ug/Kg	10/03/14	DD	SW 8270	
Pentachlorophenol	ND	270	150	ug/Kg	10/03/14	DD	SW 8270	
Phenanthrene	ND	270	110	ug/Kg	10/03/14	DD	SW 8270	
Phenol	ND	270	120	ug/Kg	10/03/14	DD	SW 8270	
Pyrene	ND	270	130	ug/Kg	10/03/14	DD	SW 8270	
Pyridine	ND	270	95	ug/Kg	10/03/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	82			%	10/03/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	69			%	10/03/14	DD	30 - 115 %	

Project ID: 26 WEST ST., BROOKLYN
Client ID: B7 11-13 FT

Phoenix I.D.: BH22468

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorophenol	68			%	10/03/14	DD	25 - 121 %
% Nitrobenzene-d5	67			%	10/03/14	DD	23 - 120 %
% Phenol-d5	73			%	10/03/14	DD	24 - 113 %
% Terphenyl-d14	87			%	10/03/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B* = Present in blank, a bias is possible.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level 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 27, 2014
Reviewed and Released by: Tina Covensky

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

NY # 11301

Analysis Report

October 27, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/01/14	14:00
Location Code:	EBC	Received by:	LB	10/02/14	16:37
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH22463
Phoenix ID: BH22469

Project ID: 26 WEST ST., BROOKLYN
Client ID: B5 0-2 FT

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.38		0.38	0.38	mg/Kg	10/06/14	LK	SW6010
Aluminum	7550	N	38	7.5	mg/Kg	10/06/14	LK	SW6010
Arsenic	3.1		0.8	0.75	mg/Kg	10/06/14	LK	SW6010
Barium	75.3		0.8	0.38	mg/Kg	10/06/14	LK	SW6010
Beryllium	0.38		0.30	0.15	mg/Kg	10/06/14	LK	SW6010
Calcium	1770	*	3.8	3.5	mg/Kg	10/06/14	LK	SW6010
Cadmium	0.19	B	0.38	0.15	mg/Kg	10/06/14	LK	SW6010
Cobalt	7.29		0.38	0.38	mg/Kg	10/06/14	LK	SW6010
Chromium	13.1		0.38	0.38	mg/Kg	10/06/14	LK	SW6010
Copper	33.1		0.38	0.38	mg/kg	10/06/14	LK	SW6010
Iron	16200		38	38	mg/Kg	10/06/14	LK	SW6010
Mercury	0.38		0.08	0.05	mg/Kg	10/03/14	RS	SW-7471
Potassium	960	N	8	2.9	mg/Kg	10/06/14	LK	SW6010
Magnesium	1960		3.8	3.8	mg/Kg	10/06/14	LK	SW6010
Manganese	462		3.8	3.8	mg/Kg	10/06/14	LK	SW6010
Sodium	236		8	3.2	mg/Kg	10/06/14	LK	SW6010
Nickel	12.7		0.38	0.38	mg/Kg	10/06/14	LK	SW6010
Lead	343		7.5	3.8	mg/Kg	10/06/14	LK	SW6010
Antimony	< 1.9		1.9	1.9	mg/Kg	10/06/14	LK	SW6010
Selenium	< 1.5		1.5	1.3	mg/Kg	10/06/14	LK	SW6010
Thallium	< 1.5		1.5	1.5	mg/Kg	10/06/14	LK	SW6010
Vanadium	17.9		0.4	0.38	mg/Kg	10/06/14	LK	SW6010
Zinc	97.6		0.8	0.38	mg/Kg	10/06/14	LK	SW6010
Percent Solid	92				%	10/02/14	I	E160.3
Soil Extraction for PCB	Completed					10/02/14	BB	SW3545
Soil Extraction for Pesticide	Completed					10/02/14	BB/H	SW3545
Soil Extraction for SVOA	Completed					10/02/14	JJ/VH	SW3545
Mercury Digestion	Completed					10/03/14	I/I	SW7471

Project ID: 26 WEST ST., BROOKLYN
Client ID: B5 0-2 FT

Phoenix I.D.: BH22469

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				10/02/14	CB/AG	SW846 - 3050
Field Extraction	Completed				10/01/14		SW5035
Polychlorinated Biphenyls							
PCB-1016	ND	35	35	ug/Kg	10/03/14	AW	SW 8082
PCB-1221	ND	35	35	ug/Kg	10/03/14	AW	SW 8082
PCB-1232	ND	35	35	ug/Kg	10/03/14	AW	SW 8082
PCB-1242	ND	35	35	ug/Kg	10/03/14	AW	SW 8082
PCB-1248	ND	35	35	ug/Kg	10/03/14	AW	SW 8082
PCB-1254	ND	35	35	ug/Kg	10/03/14	AW	SW 8082
PCB-1260	ND	35	35	ug/Kg	10/03/14	AW	SW 8082
PCB-1262	ND	35	35	ug/Kg	10/03/14	AW	SW 8082
PCB-1268	ND	35	35	ug/Kg	10/03/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	82			%	10/03/14	AW	30 - 150 %
% TCMX	75			%	10/03/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.5	2.5	ug/Kg	10/04/14	CE	SW8081
4,4' -DDE	ND	2.5	2.5	ug/Kg	10/04/14	CE	SW8081
4,4' -DDT	ND	2.5	2.5	ug/Kg	10/04/14	CE	SW8081
a-BHC	ND	3.5	3.5	ug/Kg	10/04/14	CE	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	10/04/14	CE	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	10/04/14	CE	SW8081
b-BHC	ND	3.5	3.5	ug/Kg	10/04/14	CE	SW8081
Chlordane	ND	35	35	ug/Kg	10/04/14	CE	SW8081
d-BHC	ND	3.5	3.5	ug/Kg	10/04/14	CE	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	10/04/14	CE	SW8081
Endosulfan I	ND	3.5	3.5	ug/Kg	10/04/14	CE	SW8081
Endosulfan II	ND	3.5	3.5	ug/Kg	10/04/14	CE	SW8081
Endosulfan sulfate	ND	3.5	3.5	ug/Kg	10/04/14	CE	SW8081
Endrin	ND	3.5	3.5	ug/Kg	10/04/14	CE	SW8081
Endrin aldehyde	ND	3.5	3.5	ug/Kg	10/04/14	CE	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	10/04/14	CE	SW8081
g-BHC	ND	3.5	3.5	ug/Kg	10/04/14	CE	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	10/04/14	CE	SW8081
Heptachlor	ND	3.5	3.5	ug/Kg	10/04/14	CE	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	10/04/14	CE	SW8081
Methoxychlor	ND	7.1	7.1	ug/Kg	10/04/14	CE	SW8081
Toxaphene	ND	180	180	ug/Kg	10/04/14	CE	SW8081
QA/QC Surrogates							
% DCBP	84			%	10/04/14	CE	30 - 150 %
% TCMX	75			%	10/04/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	7.8	1.3	ug/Kg	10/04/14	JLI	SW8260
1,1,1-Trichloroethane	ND	7.8	1.6	ug/Kg	10/04/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	7.8	1.1	ug/Kg	10/04/14	JLI	SW8260
1,1,2-Trichloroethane	ND	7.8	0.77	ug/Kg	10/04/14	JLI	SW8260
1,1-Dichloroethane	ND	7.8	1.5	ug/Kg	10/04/14	JLI	SW8260

Project ID: 26 WEST ST., BROOKLYN
Client ID: B5 0-2 FT

Phoenix I.D.: BH22469

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND		7.8	1.7	ug/Kg	10/04/14	JLI	SW8260	
1,1-Dichloropropene	ND		7.8	1.5	ug/Kg	10/04/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		290	57	ug/Kg	10/06/14	JLI	SW8260	
1,2,3-Trichloropropane	ND		290	41	ug/Kg	10/06/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		290	57	ug/Kg	10/06/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND		290	41	ug/Kg	10/06/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		290	77	ug/Kg	10/06/14	JLI	SW8260	
1,2-Dibromoethane	ND		7.8	2.1	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		290	32	ug/Kg	10/06/14	JLI	SW8260	
1,2-Dichloroethane	ND		7.8	0.69	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dichloropropane	ND		7.8	1.1	ug/Kg	10/04/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND		290	38	ug/Kg	10/06/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		290	43	ug/Kg	10/06/14	JLI	SW8260	
1,3-Dichloropropane	ND		7.8	0.83	ug/Kg	10/04/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		290	45	ug/Kg	10/06/14	JLI	SW8260	
2,2-Dichloropropane	ND		7.8	1.3	ug/Kg	10/04/14	JLI	SW8260	
2-Chlorotoluene	ND		290	46	ug/Kg	10/06/14	JLI	SW8260	
2-Hexanone	ND		39	3.5	ug/Kg	10/04/14	JLI	SW8260	
2-Isopropyltoluene	ND		290	40	ug/Kg	10/06/14	JLI	SW8260	1
4-Chlorotoluene	ND		290	33	ug/Kg	10/06/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		39	1.9	ug/Kg	10/04/14	JLI	SW8260	
Acetone	ND		50	7.8	ug/Kg	10/04/14	JLI	SW8260	
Acrylonitrile	ND		16	4.4	ug/Kg	10/04/14	JLI	SW8260	
Benzene	ND		7.8	1.5	ug/Kg	10/04/14	JLI	SW8260	
Bromobenzene	ND		290	37	ug/Kg	10/06/14	JLI	SW8260	
Bromochloromethane	ND		7.8	1.1	ug/Kg	10/04/14	JLI	SW8260	
Bromodichloromethane	ND		7.8	0.97	ug/Kg	10/04/14	JLI	SW8260	
Bromoform	ND		7.8	1.1	ug/Kg	10/04/14	JLI	SW8260	
Bromomethane	ND		7.8	6.0	ug/Kg	10/04/14	JLI	SW8260	
Carbon Disulfide	ND		7.8	1.3	ug/Kg	10/04/14	JLI	SW8260	
Carbon tetrachloride	ND		7.8	0.91	ug/Kg	10/04/14	JLI	SW8260	
Chlorobenzene	ND		7.8	1.2	ug/Kg	10/04/14	JLI	SW8260	
Chloroethane	ND		7.8	1.8	ug/Kg	10/04/14	JLI	SW8260	
Chloroform	ND		7.8	1.4	ug/Kg	10/04/14	JLI	SW8260	
Chloromethane	ND		7.8	4.1	ug/Kg	10/04/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		7.8	1.7	ug/Kg	10/04/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		7.8	0.85	ug/Kg	10/04/14	JLI	SW8260	
Dibromochloromethane	ND		7.8	0.88	ug/Kg	10/04/14	JLI	SW8260	
Dibromomethane	ND		7.8	0.99	ug/Kg	10/04/14	JLI	SW8260	
Dichlorodifluoromethane	ND		7.8	2.1	ug/Kg	10/04/14	JLI	SW8260	
Ethylbenzene	ND		7.8	1.4	ug/Kg	10/04/14	JLI	SW8260	
Hexachlorobutadiene	ND		290	60	ug/Kg	10/06/14	JLI	SW8260	
Isopropylbenzene	ND		290	55	ug/Kg	10/06/14	JLI	SW8260	
m&p-Xylene	ND		7.8	3.1	ug/Kg	10/04/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		47	6.8	ug/Kg	10/04/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		16	2.2	ug/Kg	10/04/14	JLI	SW8260	
Methylene chloride	ND		7.8	1.3	ug/Kg	10/04/14	JLI	SW8260	B
Naphthalene	140	J	290	77	ug/Kg	10/06/14	JLI	SW8260	
n-Butylbenzene	ND		290	52	ug/Kg	10/06/14	JLI	SW8260	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
n-Propylbenzene	ND		290	52	ug/Kg	10/06/14	JLI	SW8260	
o-Xylene	ND		7.8	3.0	ug/Kg	10/04/14	JLI	SW8260	
p-Isopropyltoluene	ND		290	41	ug/Kg	10/06/14	JLI	SW8260	
sec-Butylbenzene	ND		290	54	ug/Kg	10/06/14	JLI	SW8260	
Styrene	ND		7.8	2.3	ug/Kg	10/04/14	JLI	SW8260	
tert-Butylbenzene	ND		290	46	ug/Kg	10/06/14	JLI	SW8260	
Tetrachloroethene	ND		7.8	1.6	ug/Kg	10/04/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND		16	7.0	ug/Kg	10/04/14	JLI	SW8260	1
Toluene	ND		7.8	1.2	ug/Kg	10/04/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND		7.8	1.6	ug/Kg	10/04/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND		7.8	1.6	ug/Kg	10/04/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND		570	530	ug/Kg	10/06/14	JLI	SW8260	
Trichloroethene	ND		7.8	1.7	ug/Kg	10/04/14	JLI	SW8260	
Trichlorofluoromethane	ND		7.8	1.7	ug/Kg	10/04/14	JLI	SW8260	
Trichlorotrifluoroethane	ND		7.8	1.2	ug/Kg	10/04/14	JLI	SW8260	
Vinyl chloride	ND		7.8	2.5	ug/Kg	10/04/14	JLI	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	99				%	10/06/14	JLI	70 - 121 %	
% Bromofluorobenzene	95				%	10/06/14	JLI	59 - 113 %	
% Dibromofluoromethane	96				%	10/04/14	JLI	70 - 130 %	
% Toluene-d8	101				%	10/04/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND		250	130	ug/Kg	10/03/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND		250	110	ug/Kg	10/03/14	DD	SW 8270	
1,2-Dichlorobenzene	ND		250	100	ug/Kg	10/03/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND		250	120	ug/Kg	10/03/14	DD	SW 8270	
1,3-Dichlorobenzene	ND		250	110	ug/Kg	10/03/14	DD	SW 8270	
1,4-Dichlorobenzene	ND		250	110	ug/Kg	10/03/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND		250	200	ug/Kg	10/03/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND		250	110	ug/Kg	10/03/14	DD	SW 8270	
2,4-Dichlorophenol	ND		250	130	ug/Kg	10/03/14	DD	SW 8270	
2,4-Dimethylphenol	ND		250	89	ug/Kg	10/03/14	DD	SW 8270	
2,4-Dinitrophenol	ND		1800	250	ug/Kg	10/03/14	DD	SW 8270	
2,4-Dinitrotoluene	ND		250	140	ug/Kg	10/03/14	DD	SW 8270	
2,6-Dinitrotoluene	ND		250	110	ug/Kg	10/03/14	DD	SW 8270	
2-Chloronaphthalene	ND		250	100	ug/Kg	10/03/14	DD	SW 8270	
2-Chlorophenol	ND		250	100	ug/Kg	10/03/14	DD	SW 8270	
2-Methylnaphthalene	140	J	250	110	ug/Kg	10/03/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	10/03/14	DD	SW 8270	
2-Nitroaniline	ND		1800	360	ug/Kg	10/03/14	DD	SW 8270	
2-Nitrophenol	ND		250	230	ug/Kg	10/03/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	10/03/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		720	170	ug/Kg	10/03/14	DD	SW 8270	
3-Nitroaniline	ND		1800	780	ug/Kg	10/03/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		1800	390	ug/Kg	10/03/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		250	110	ug/Kg	10/03/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND		250	130	ug/Kg	10/03/14	DD	SW 8270	
4-Chloroaniline	ND		720	170	ug/Kg	10/03/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	10/03/14	DD	SW 8270	

Project ID: 26 WEST ST., BROOKLYN
Client ID: B5 0-2 FT

Phoenix I.D.: BH22469

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitroaniline	ND		1800	120	ug/Kg	10/03/14	DD	SW 8270	
4-Nitrophenol	ND		1800	160	ug/Kg	10/03/14	DD	SW 8270	
Acenaphthene	350		250	110	ug/Kg	10/03/14	DD	SW 8270	
Acenaphthylene	110	J	250	100	ug/Kg	10/03/14	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	10/03/14	DD	SW 8270	
Aniline	ND		1800	730	ug/Kg	10/03/14	DD	SW 8270	
Anthracene	770		250	120	ug/Kg	10/03/14	DD	SW 8270	
Benz(a)anthracene	2100		250	120	ug/Kg	10/03/14	DD	SW 8270	
Benzidine	ND		720	210	ug/Kg	10/03/14	DD	SW 8270	
Benzo(a)pyrene	1800		250	120	ug/Kg	10/03/14	DD	SW 8270	
Benzo(b)fluoranthene	2600		250	120	ug/Kg	10/03/14	DD	SW 8270	
Benzo(ghi)perylene	690		250	120	ug/Kg	10/03/14	DD	SW 8270	
Benzo(k)fluoranthene	910		250	120	ug/Kg	10/03/14	DD	SW 8270	
Benzoic acid	ND		1800	720	ug/Kg	10/03/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		250	93	ug/Kg	10/03/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	99	ug/Kg	10/03/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		250	97	ug/Kg	10/03/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	100	ug/Kg	10/03/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	10/03/14	DD	SW 8270	
Carbazole	570	J	1800	270	ug/Kg	10/03/14	DD	SW 8270	
Chrysene	2200		250	120	ug/Kg	10/03/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		250	120	ug/Kg	10/03/14	DD	SW 8270	
Dibenzofuran	360		250	100	ug/Kg	10/03/14	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	10/03/14	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	10/03/14	DD	SW 8270	
Di-n-butylphthalate	ND		250	96	ug/Kg	10/03/14	DD	SW 8270	
Di-n-octylphthalate	ND		250	93	ug/Kg	10/03/14	DD	SW 8270	
Fluoranthene	6900	D	1300	580	ug/Kg	10/03/14	DD	SW 8270	
Fluorene	290		250	120	ug/Kg	10/03/14	DD	SW 8270	
Hexachlorobenzene	ND		250	100	ug/Kg	10/03/14	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	10/03/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	10/03/14	DD	SW 8270	
Hexachloroethane	ND		250	110	ug/Kg	10/03/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	630		250	120	ug/Kg	10/03/14	DD	SW 8270	
Isophorone	ND		250	100	ug/Kg	10/03/14	DD	SW 8270	
Naphthalene	ND		250	100	ug/Kg	10/03/14	DD	SW 8270	
Nitrobenzene	ND		250	130	ug/Kg	10/03/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	10/03/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		250	120	ug/Kg	10/03/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		250	140	ug/Kg	10/03/14	DD	SW 8270	
Pentachloronitrobenzene	ND		250	130	ug/Kg	10/03/14	DD	SW 8270	
Pentachlorophenol	ND		250	140	ug/Kg	10/03/14	DD	SW 8270	
Phenanthrene	5700	D	1300	510	ug/Kg	10/03/14	DD	SW 8270	
Phenol	ND		250	110	ug/Kg	10/03/14	DD	SW 8270	
Pyrene	5000		250	120	ug/Kg	10/03/14	DD	SW 8270	
Pyridine	ND		250	88	ug/Kg	10/03/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	87				%	10/03/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	80				%	10/03/14	DD	30 - 115 %	

Project ID: 26 WEST ST., BROOKLYN
Client ID: B5 0-2 FT

Phoenix I.D.: BH22469

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorophenol	59			%	10/03/14	DD	25 - 121 %
% Nitrobenzene-d5	67			%	10/03/14	DD	23 - 120 %
% Phenol-d5	71			%	10/03/14	DD	24 - 113 %
% Terphenyl-d14	89			%	10/03/14	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 Quanitation) 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.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

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 27, 2014
Reviewed and Released by: Tina Covensky

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 27, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/01/14	15:00
Location Code:	EBC	Received by:	LB	10/02/14	16:37
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH22463
Phoenix ID: BH22470

Project ID: 26 WEST ST., BROOKLYN
Client ID: B5 11-13 FT

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.35		0.35	0.35	mg/Kg	10/06/14	LK	SW6010
Aluminum	7870	N	35	7.1	mg/Kg	10/06/14	LK	SW6010
Arsenic	< 0.7		0.7	0.71	mg/Kg	10/06/14	LK	SW6010
Barium	44.0		0.7	0.35	mg/Kg	10/06/14	LK	SW6010
Beryllium	0.43		0.28	0.14	mg/Kg	10/06/14	LK	SW6010
Calcium	726	*	3.5	3.3	mg/Kg	10/06/14	LK	SW6010
Cadmium	< 0.35		0.35	0.14	mg/Kg	10/06/14	LK	SW6010
Cobalt	7.17		0.35	0.35	mg/Kg	10/06/14	LK	SW6010
Chromium	15.8		0.35	0.35	mg/Kg	10/06/14	LK	SW6010
Copper	13.7		0.35	0.35	mg/kg	10/06/14	LK	SW6010
Iron	15500		35	35	mg/Kg	10/06/14	LK	SW6010
Mercury	< 0.07		0.07	0.04	mg/Kg	10/03/14	RS	SW-7471
Potassium	1640	N	7	2.8	mg/Kg	10/06/14	LK	SW6010
Magnesium	2390		3.5	3.5	mg/Kg	10/06/14	LK	SW6010
Manganese	274		3.5	3.5	mg/Kg	10/06/14	LK	SW6010
Sodium	121		7	3.0	mg/Kg	10/06/14	LK	SW6010
Nickel	12.9		0.35	0.35	mg/Kg	10/06/14	LK	SW6010
Lead	5.9		0.7	0.35	mg/Kg	10/06/14	LK	SW6010
Antimony	< 1.8		1.8	1.8	mg/Kg	10/06/14	LK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	10/06/14	LK	SW6010
Thallium	< 1.4		1.4	1.4	mg/Kg	10/06/14	LK	SW6010
Vanadium	23.1		0.4	0.35	mg/Kg	10/06/14	LK	SW6010
Zinc	28.6		0.7	0.35	mg/Kg	10/06/14	LK	SW6010
Percent Solid	86				%	10/02/14	I	E160.3
Soil Extraction for PCB	Completed					10/02/14	BB	SW3545
Soil Extraction for Pesticide	Completed					10/02/14	BB/H	SW3545
Soil Extraction for SVOA	Completed					10/02/14	JJ/VH	SW3545
Mercury Digestion	Completed					10/03/14	I/I	SW7471

Project ID: 26 WEST ST., BROOKLYN
Client ID: B5 11-13 FT

Phoenix I.D.: BH22470

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				10/02/14	CB/AG	SW846 - 3050
Field Extraction	Completed				10/01/14		SW5035
Polychlorinated Biphenyls							
PCB-1016	ND	38	38	ug/Kg	10/03/14	AW	SW 8082
PCB-1221	ND	38	38	ug/Kg	10/03/14	AW	SW 8082
PCB-1232	ND	38	38	ug/Kg	10/03/14	AW	SW 8082
PCB-1242	ND	38	38	ug/Kg	10/03/14	AW	SW 8082
PCB-1248	ND	38	38	ug/Kg	10/03/14	AW	SW 8082
PCB-1254	ND	38	38	ug/Kg	10/03/14	AW	SW 8082
PCB-1260	ND	38	38	ug/Kg	10/03/14	AW	SW 8082
PCB-1262	ND	38	38	ug/Kg	10/03/14	AW	SW 8082
PCB-1268	ND	38	38	ug/Kg	10/03/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	86			%	10/03/14	AW	30 - 150 %
% TCMX	80			%	10/03/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.7	2.7	ug/Kg	10/04/14	CE	SW8081
4,4' -DDE	ND	2.7	2.7	ug/Kg	10/04/14	CE	SW8081
4,4' -DDT	ND	2.7	2.7	ug/Kg	10/04/14	CE	SW8081
a-BHC	ND	3.8	3.8	ug/Kg	10/04/14	CE	SW8081
a-Chlordane	ND	3.8	3.8	ug/Kg	10/04/14	CE	SW8081
Aldrin	ND	1.9	1.9	ug/Kg	10/04/14	CE	SW8081
b-BHC	ND	3.8	3.8	ug/Kg	10/04/14	CE	SW8081
Chlordane	ND	38	38	ug/Kg	10/04/14	CE	SW8081
d-BHC	ND	3.8	3.8	ug/Kg	10/04/14	CE	SW8081
Dieldrin	ND	1.9	1.9	ug/Kg	10/04/14	CE	SW8081
Endosulfan I	ND	3.8	3.8	ug/Kg	10/04/14	CE	SW8081
Endosulfan II	ND	3.8	3.8	ug/Kg	10/04/14	CE	SW8081
Endosulfan sulfate	ND	3.8	3.8	ug/Kg	10/04/14	CE	SW8081
Endrin	ND	3.8	3.8	ug/Kg	10/04/14	CE	SW8081
Endrin aldehyde	ND	3.8	3.8	ug/Kg	10/04/14	CE	SW8081
Endrin ketone	ND	1.9	1.9	ug/Kg	10/04/14	CE	SW8081
g-BHC	ND	3.8	3.8	ug/Kg	10/04/14	CE	SW8081
g-Chlordane	ND	3.8	3.8	ug/Kg	10/04/14	CE	SW8081
Heptachlor	ND	3.8	3.8	ug/Kg	10/04/14	CE	SW8081
Heptachlor epoxide	ND	1.9	1.9	ug/Kg	10/04/14	CE	SW8081
Methoxychlor	ND	7.5	7.5	ug/Kg	10/04/14	CE	SW8081
Toxaphene	ND	190	190	ug/Kg	10/04/14	CE	SW8081
QA/QC Surrogates							
% DCBP	101			%	10/04/14	CE	30 - 150 %
% TCMX	81			%	10/04/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.3	0.87	ug/Kg	10/04/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.3	1.1	ug/Kg	10/04/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.3	0.75	ug/Kg	10/04/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.3	0.52	ug/Kg	10/04/14	JLI	SW8260
1,1-Dichloroethane	ND	5.3	1.0	ug/Kg	10/04/14	JLI	SW8260

Project ID: 26 WEST ST., BROOKLYN
Client ID: B5 11-13 FT

Phoenix I.D.: BH22470

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND	5.3	1.2	ug/Kg	10/04/14	JLI	SW8260	
1,1-Dichloropropene	ND	5.3	1.0	ug/Kg	10/04/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	5.3	1.1	ug/Kg	10/04/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	5.3	0.75	ug/Kg	10/04/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	5.3	1.1	ug/Kg	10/04/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	5.3	0.76	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.3	1.4	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dibromoethane	ND	5.3	1.4	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	5.3	0.58	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dichloroethane	ND	5.3	0.47	ug/Kg	10/04/14	JLI	SW8260	
1,2-Dichloropropane	ND	5.3	0.75	ug/Kg	10/04/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	5.3	0.70	ug/Kg	10/04/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	5.3	0.78	ug/Kg	10/04/14	JLI	SW8260	
1,3-Dichloropropane	ND	5.3	0.56	ug/Kg	10/04/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	5.3	0.84	ug/Kg	10/04/14	JLI	SW8260	
2,2-Dichloropropane	ND	5.3	0.89	ug/Kg	10/04/14	JLI	SW8260	
2-Chlorotoluene	ND	5.3	0.85	ug/Kg	10/04/14	JLI	SW8260	
2-Hexanone	ND	26	2.4	ug/Kg	10/04/14	JLI	SW8260	
2-Isopropyltoluene	ND	5.3	0.73	ug/Kg	10/04/14	JLI	SW8260	1
4-Chlorotoluene	ND	5.3	0.61	ug/Kg	10/04/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	26	1.3	ug/Kg	10/04/14	JLI	SW8260	
Acetone	ND	50	5.3	ug/Kg	10/04/14	JLI	SW8260	
Acrylonitrile	ND	11	3.0	ug/Kg	10/04/14	JLI	SW8260	
Benzene	ND	5.3	1.0	ug/Kg	10/04/14	JLI	SW8260	
Bromobenzene	ND	5.3	0.69	ug/Kg	10/04/14	JLI	SW8260	
Bromochloromethane	ND	5.3	0.77	ug/Kg	10/04/14	JLI	SW8260	
Bromodichloromethane	ND	5.3	0.66	ug/Kg	10/04/14	JLI	SW8260	
Bromoform	ND	5.3	0.74	ug/Kg	10/04/14	JLI	SW8260	
Bromomethane	ND	5.3	4.1	ug/Kg	10/04/14	JLI	SW8260	
Carbon Disulfide	ND	5.3	0.86	ug/Kg	10/04/14	JLI	SW8260	
Carbon tetrachloride	ND	5.3	0.61	ug/Kg	10/04/14	JLI	SW8260	
Chlorobenzene	ND	5.3	0.78	ug/Kg	10/04/14	JLI	SW8260	
Chloroethane	ND	5.3	1.2	ug/Kg	10/04/14	JLI	SW8260	
Chloroform	ND	5.3	0.96	ug/Kg	10/04/14	JLI	SW8260	
Chloromethane	ND	5.3	2.8	ug/Kg	10/04/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	5.3	1.2	ug/Kg	10/04/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	5.3	0.57	ug/Kg	10/04/14	JLI	SW8260	
Dibromochloromethane	ND	5.3	0.59	ug/Kg	10/04/14	JLI	SW8260	
Dibromomethane	ND	5.3	0.67	ug/Kg	10/04/14	JLI	SW8260	
Dichlorodifluoromethane	ND	5.3	1.4	ug/Kg	10/04/14	JLI	SW8260	
Ethylbenzene	ND	5.3	0.96	ug/Kg	10/04/14	JLI	SW8260	
Hexachlorobutadiene	ND	5.3	1.1	ug/Kg	10/04/14	JLI	SW8260	
Isopropylbenzene	ND	5.3	1.0	ug/Kg	10/04/14	JLI	SW8260	
m&p-Xylene	ND	5.3	2.1	ug/Kg	10/04/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	32	4.6	ug/Kg	10/04/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	1.5	ug/Kg	10/04/14	JLI	SW8260	
Methylene chloride	ND	5.3	0.87	ug/Kg	10/04/14	JLI	SW8260	B
Naphthalene	ND	5.3	1.4	ug/Kg	10/04/14	JLI	SW8260	
n-Butylbenzene	ND	5.3	0.96	ug/Kg	10/04/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
n-Propylbenzene	ND	5.3	0.95	ug/Kg	10/04/14	JLI	SW8260	
o-Xylene	ND	5.3	2.0	ug/Kg	10/04/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.3	0.76	ug/Kg	10/04/14	JLI	SW8260	
sec-Butylbenzene	ND	5.3	0.99	ug/Kg	10/04/14	JLI	SW8260	
Styrene	ND	5.3	1.5	ug/Kg	10/04/14	JLI	SW8260	
tert-Butylbenzene	ND	5.3	0.85	ug/Kg	10/04/14	JLI	SW8260	
Tetrachloroethene	ND	5.3	1.1	ug/Kg	10/04/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11	4.8	ug/Kg	10/04/14	JLI	SW8260	1
Toluene	ND	5.3	0.84	ug/Kg	10/04/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.3	1.1	ug/Kg	10/04/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.3	1.1	ug/Kg	10/04/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	11	9.8	ug/Kg	10/04/14	JLI	SW8260	
Trichloroethene	ND	5.3	1.1	ug/Kg	10/04/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.3	1.2	ug/Kg	10/04/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.3	0.83	ug/Kg	10/04/14	JLI	SW8260	
Vinyl chloride	ND	5.3	1.7	ug/Kg	10/04/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	10/04/14	JLI	70 - 121 %	
% Bromofluorobenzene	98			%	10/04/14	JLI	59 - 113 %	
% Dibromofluoromethane	95			%	10/04/14	JLI	70 - 130 %	
% Toluene-d8	98			%	10/04/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	10/03/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	10/03/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	260	110	ug/Kg	10/03/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	10/03/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	260	110	ug/Kg	10/03/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	260	110	ug/Kg	10/03/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	260	210	ug/Kg	10/03/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	10/03/14	DD	SW 8270	
2,4-Dichlorophenol	ND	260	130	ug/Kg	10/03/14	DD	SW 8270	
2,4-Dimethylphenol	ND	260	93	ug/Kg	10/03/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1900	260	ug/Kg	10/03/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	260	150	ug/Kg	10/03/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	260	120	ug/Kg	10/03/14	DD	SW 8270	
2-Chloronaphthalene	ND	260	110	ug/Kg	10/03/14	DD	SW 8270	
2-Chlorophenol	ND	260	110	ug/Kg	10/03/14	DD	SW 8270	
2-Methylnaphthalene	ND	260	110	ug/Kg	10/03/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	260	180	ug/Kg	10/03/14	DD	SW 8270	
2-Nitroaniline	ND	1900	380	ug/Kg	10/03/14	DD	SW 8270	
2-Nitrophenol	ND	260	240	ug/Kg	10/03/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	10/03/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	750	180	ug/Kg	10/03/14	DD	SW 8270	
3-Nitroaniline	ND	1900	820	ug/Kg	10/03/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1900	400	ug/Kg	10/03/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	10/03/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	10/03/14	DD	SW 8270	
4-Chloroaniline	ND	750	180	ug/Kg	10/03/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	260	130	ug/Kg	10/03/14	DD	SW 8270	

Project ID: 26 WEST ST., BROOKLYN
Client ID: B5 11-13 FT

Phoenix I.D.: BH22470

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitroaniline	ND	1900	130	ug/Kg	10/03/14	DD	SW 8270	
4-Nitrophenol	ND	1900	170	ug/Kg	10/03/14	DD	SW 8270	
Acenaphthene	ND	260	110	ug/Kg	10/03/14	DD	SW 8270	
Acenaphthylene	ND	260	110	ug/Kg	10/03/14	DD	SW 8270	
Acetophenone	ND	260	120	ug/Kg	10/03/14	DD	SW 8270	
Aniline	ND	1900	760	ug/Kg	10/03/14	DD	SW 8270	
Anthracene	ND	260	120	ug/Kg	10/03/14	DD	SW 8270	
Benz(a)anthracene	ND	260	130	ug/Kg	10/03/14	DD	SW 8270	
Benzidine	ND	750	220	ug/Kg	10/03/14	DD	SW 8270	
Benzo(a)pyrene	ND	260	120	ug/Kg	10/03/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	260	130	ug/Kg	10/03/14	DD	SW 8270	
Benzo(ghi)perylene	ND	260	120	ug/Kg	10/03/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	260	120	ug/Kg	10/03/14	DD	SW 8270	
Benzoic acid	ND	1900	750	ug/Kg	10/03/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	260	97	ug/Kg	10/03/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	10/03/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	260	100	ug/Kg	10/03/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	10/03/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	10/03/14	DD	SW 8270	
Carbazole	ND	1900	290	ug/Kg	10/03/14	DD	SW 8270	
Chrysene	ND	260	130	ug/Kg	10/03/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	260	120	ug/Kg	10/03/14	DD	SW 8270	
Dibenzofuran	ND	260	110	ug/Kg	10/03/14	DD	SW 8270	
Diethyl phthalate	ND	260	120	ug/Kg	10/03/14	DD	SW 8270	
Dimethylphthalate	ND	260	120	ug/Kg	10/03/14	DD	SW 8270	
Di-n-butylphthalate	ND	260	100	ug/Kg	10/03/14	DD	SW 8270	
Di-n-octylphthalate	ND	260	97	ug/Kg	10/03/14	DD	SW 8270	
Fluoranthene	ND	260	120	ug/Kg	10/03/14	DD	SW 8270	
Fluorene	ND	260	120	ug/Kg	10/03/14	DD	SW 8270	
Hexachlorobenzene	ND	260	110	ug/Kg	10/03/14	DD	SW 8270	
Hexachlorobutadiene	ND	260	140	ug/Kg	10/03/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	260	120	ug/Kg	10/03/14	DD	SW 8270	
Hexachloroethane	ND	260	110	ug/Kg	10/03/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	10/03/14	DD	SW 8270	
Isophorone	ND	260	110	ug/Kg	10/03/14	DD	SW 8270	
Naphthalene	ND	260	110	ug/Kg	10/03/14	DD	SW 8270	
Nitrobenzene	ND	260	130	ug/Kg	10/03/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	260	110	ug/Kg	10/03/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	260	120	ug/Kg	10/03/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	10/03/14	DD	SW 8270	
Pentachloronitrobenzene	ND	260	140	ug/Kg	10/03/14	DD	SW 8270	
Pentachlorophenol	ND	260	140	ug/Kg	10/03/14	DD	SW 8270	
Phenanthrene	ND	260	110	ug/Kg	10/03/14	DD	SW 8270	
Phenol	ND	260	120	ug/Kg	10/03/14	DD	SW 8270	
Pyrene	ND	260	130	ug/Kg	10/03/14	DD	SW 8270	
Pyridine	ND	260	93	ug/Kg	10/03/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	84			%	10/03/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	73			%	10/03/14	DD	30 - 115 %	

Project ID: 26 WEST ST., BROOKLYN
Client ID: B5 11-13 FT

Phoenix I.D.: BH22470

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorophenol	69			%	10/03/14	DD	25 - 121 %
% Nitrobenzene-d5	69			%	10/03/14	DD	23 - 120 %
% Phenol-d5	74			%	10/03/14	DD	24 - 113 %
% Terphenyl-d14	93			%	10/03/14	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 Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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

Please be advised that the NY 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 27, 2014
Reviewed and Released by: Tina Covensky

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 27, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/01/14	0:00
Location Code:	EBC	Received by:	LB	10/02/14	16:37
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH22463
Phoenix ID: BH22471

Project ID: 26 WEST ST., BROOKLYN
Client ID: HIGH TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Percent Solid	100	1		%	10/01/14		E160.3	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	250	41	ug/Kg	10/07/14	JLI	SW8260	
1,1,1-Trichloroethane	ND	250	50	ug/Kg	10/07/14	JLI	SW8260	
1,1,2,2-Tetrachloroethane	ND	250	36	ug/Kg	10/07/14	JLI	SW8260	
1,1,2-Trichloroethane	ND	250	25	ug/Kg	10/07/14	JLI	SW8260	
1,1-Dichloroethane	ND	250	50	ug/Kg	10/07/14	JLI	SW8260	
1,1-Dichloroethene	ND	250	55	ug/Kg	10/07/14	JLI	SW8260	
1,1-Dichloropropene	ND	250	49	ug/Kg	10/07/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	250	50	ug/Kg	10/07/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	250	36	ug/Kg	10/07/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	250	50	ug/Kg	10/07/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	250	36	ug/Kg	10/07/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	250	67	ug/Kg	10/07/14	JLI	SW8260	
1,2-Dibromoethane	ND	250	67	ug/Kg	10/07/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	250	28	ug/Kg	10/07/14	JLI	SW8260	
1,2-Dichloroethane	ND	250	22	ug/Kg	10/07/14	JLI	SW8260	
1,2-Dichloropropane	ND	250	36	ug/Kg	10/07/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	250	33	ug/Kg	10/07/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	250	37	ug/Kg	10/07/14	JLI	SW8260	
1,3-Dichloropropane	ND	250	27	ug/Kg	10/07/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	250	40	ug/Kg	10/07/14	JLI	SW8260	
2,2-Dichloropropane	ND	250	42	ug/Kg	10/07/14	JLI	SW8260	
2-Chlorotoluene	ND	250	40	ug/Kg	10/07/14	JLI	SW8260	
2-Hexanone	ND	1300	110	ug/Kg	10/07/14	JLI	SW8260	
2-Isopropyltoluene	ND	250	35	ug/Kg	10/07/14	JLI	SW8260	1
4-Chlorotoluene	ND	250	29	ug/Kg	10/07/14	JLI	SW8260	

Project ID: 26 WEST ST., BROOKLYN
Client ID: HIGH TRIP BLANK

Phoenix I.D.: BH22471

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Methyl-2-pentanone	ND		1300	60	ug/Kg	10/07/14	JLI	SW8260	
Acetone	ND		2500	250	ug/Kg	10/07/14	JLI	SW8260	
Acrylonitrile	ND		500	140	ug/Kg	10/07/14	JLI	SW8260	
Benzene	ND		250	50	ug/Kg	10/07/14	JLI	SW8260	
Bromobenzene	ND		250	33	ug/Kg	10/07/14	JLI	SW8260	
Bromochloromethane	ND		250	37	ug/Kg	10/07/14	JLI	SW8260	
Bromodichloromethane	ND		250	31	ug/Kg	10/07/14	JLI	SW8260	
Bromoform	ND		250	35	ug/Kg	10/07/14	JLI	SW8260	
Bromomethane	ND		250	190	ug/Kg	10/07/14	JLI	SW8260	
Carbon Disulfide	ND		250	41	ug/Kg	10/07/14	JLI	SW8260	
Carbon tetrachloride	ND		250	29	ug/Kg	10/07/14	JLI	SW8260	
Chlorobenzene	ND		250	37	ug/Kg	10/07/14	JLI	SW8260	
Chloroethane	ND		250	59	ug/Kg	10/07/14	JLI	SW8260	
Chloroform	ND		250	46	ug/Kg	10/07/14	JLI	SW8260	
Chloromethane	ND		250	130	ug/Kg	10/07/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		250	55	ug/Kg	10/07/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		250	27	ug/Kg	10/07/14	JLI	SW8260	
Dibromochloromethane	ND		250	28	ug/Kg	10/07/14	JLI	SW8260	
Dibromomethane	ND		250	32	ug/Kg	10/07/14	JLI	SW8260	
Dichlorodifluoromethane	ND		250	67	ug/Kg	10/07/14	JLI	SW8260	
Ethylbenzene	ND		250	46	ug/Kg	10/07/14	JLI	SW8260	
Hexachlorobutadiene	ND		250	53	ug/Kg	10/07/14	JLI	SW8260	
Isopropylbenzene	ND		250	48	ug/Kg	10/07/14	JLI	SW8260	
m&p-Xylene	ND		250	99	ug/Kg	10/07/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		1500	220	ug/Kg	10/07/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		500	69	ug/Kg	10/07/14	JLI	SW8260	
Methylene chloride	110	JBS	250	41	ug/Kg	10/07/14	JLI	SW8260	B
Naphthalene	ND		250	67	ug/Kg	10/07/14	JLI	SW8260	
n-Butylbenzene	ND		250	46	ug/Kg	10/07/14	JLI	SW8260	
n-Propylbenzene	ND		250	45	ug/Kg	10/07/14	JLI	SW8260	
o-Xylene	ND		250	96	ug/Kg	10/07/14	JLI	SW8260	
p-Isopropyltoluene	ND		250	36	ug/Kg	10/07/14	JLI	SW8260	
sec-Butylbenzene	ND		250	47	ug/Kg	10/07/14	JLI	SW8260	
Styrene	ND		250	72	ug/Kg	10/07/14	JLI	SW8260	
tert-Butylbenzene	ND		250	40	ug/Kg	10/07/14	JLI	SW8260	
Tetrachloroethene	ND		250	53	ug/Kg	10/07/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND		500	230	ug/Kg	10/07/14	JLI	SW8260	1
Toluene	ND		250	40	ug/Kg	10/07/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND		250	50	ug/Kg	10/07/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND		250	51	ug/Kg	10/07/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND		500	460	ug/Kg	10/07/14	JLI	SW8260	
Trichloroethene	ND		250	53	ug/Kg	10/07/14	JLI	SW8260	
Trichlorofluoromethane	ND		250	56	ug/Kg	10/07/14	JLI	SW8260	
Trichlorotrifluoroethane	ND		250	39	ug/Kg	10/07/14	JLI	SW8260	
Vinyl chloride	ND		250	81	ug/Kg	10/07/14	JLI	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	97				%	10/07/14	JLI	70 - 121 %	
% Bromofluorobenzene	96				%	10/07/14	JLI	59 - 113 %	
% Dibromofluoromethane	93				%	10/07/14	JLI	70 - 130 %	

Project ID: 26 WEST ST., BROOKLYN
Client ID: HIGH TRIP BLANK

Phoenix I.D.: BH22471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Toluene-d8	94			%	10/07/14	JLI	84 - 138 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

VOAS RECEIVED 100% SOLID ASSUMED

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
October 27, 2014
Reviewed and Released by: Tina Covensky

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 27, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/01/14	0:00
Location Code:	EBC	Received by:	LB	10/02/14	16:37
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH22463
Phoenix ID: BH22472

Project ID: 26 WEST ST., BROOKLYN
Client ID: LOW TRIP BLANK

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Percent Solid	100		1		%	10/01/14		E160.3	
Field Extraction	Completed					10/01/14		SW5035	
Volatiles									
1,1,1,2-Tetrachloroethane	ND		5.0	0.82	ug/Kg	10/07/14	JLI	SW8260	
1,1,1-Trichloroethane	ND		5.0	1.0	ug/Kg	10/07/14	JLI	SW8260	
1,1,2,2-Tetrachloroethane	ND		5.0	0.71	ug/Kg	10/07/14	JLI	SW8260	
1,1,2-Trichloroethane	ND		5.0	0.49	ug/Kg	10/07/14	JLI	SW8260	
1,1-Dichloroethane	ND		5.0	0.99	ug/Kg	10/07/14	JLI	SW8260	
1,1-Dichloroethene	ND		5.0	1.1	ug/Kg	10/07/14	JLI	SW8260	
1,1-Dichloropropene	ND		5.0	0.97	ug/Kg	10/07/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		5.0	1.0	ug/Kg	10/07/14	JLI	SW8260	
1,2,3-Trichloropropane	ND		5.0	0.71	ug/Kg	10/07/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		5.0	1.0	ug/Kg	10/07/14	JLI	SW8260	
1,2,4-Trimethylbenzene	2.0	J	5.0	0.72	ug/Kg	10/07/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.0	1.3	ug/Kg	10/07/14	JLI	SW8260	
1,2-Dibromoethane	ND		5.0	1.3	ug/Kg	10/07/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		5.0	0.55	ug/Kg	10/07/14	JLI	SW8260	
1,2-Dichloroethane	ND		5.0	0.44	ug/Kg	10/07/14	JLI	SW8260	
1,2-Dichloropropane	ND		5.0	0.71	ug/Kg	10/07/14	JLI	SW8260	
1,3,5-Trimethylbenzene	0.70	J	5.0	0.66	ug/Kg	10/07/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		5.0	0.74	ug/Kg	10/07/14	JLI	SW8260	
1,3-Dichloropropane	ND		5.0	0.53	ug/Kg	10/07/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		5.0	0.79	ug/Kg	10/07/14	JLI	SW8260	
2,2-Dichloropropane	ND		5.0	0.84	ug/Kg	10/07/14	JLI	SW8260	
2-Chlorotoluene	ND		5.0	0.80	ug/Kg	10/07/14	JLI	SW8260	
2-Hexanone	ND		25	2.3	ug/Kg	10/07/14	JLI	SW8260	
2-Isopropyltoluene	ND		5.0	0.69	ug/Kg	10/07/14	JLI	SW8260	1

Project ID: 26 WEST ST., BROOKLYN
Client ID: LOW TRIP BLANK

Phoenix I.D.: BH22472

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Chlorotoluene	ND		5.0	0.58	ug/Kg	10/07/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		25	1.2	ug/Kg	10/07/14	JLI	SW8260	
Acetone	ND		50	5.0	ug/Kg	10/07/14	JLI	SW8260	
Acrylonitrile	ND		10	2.8	ug/Kg	10/07/14	JLI	SW8260	
Benzene	1.7	J	5.0	0.99	ug/Kg	10/07/14	JLI	SW8260	
Bromobenzene	ND		5.0	0.65	ug/Kg	10/07/14	JLI	SW8260	
Bromochloromethane	ND		5.0	0.73	ug/Kg	10/07/14	JLI	SW8260	
Bromodichloromethane	ND		5.0	0.62	ug/Kg	10/07/14	JLI	SW8260	
Bromoform	ND		5.0	0.70	ug/Kg	10/07/14	JLI	SW8260	
Bromomethane	ND		5.0	3.9	ug/Kg	10/07/14	JLI	SW8260	
Carbon Disulfide	ND		5.0	0.81	ug/Kg	10/07/14	JLI	SW8260	
Carbon tetrachloride	ND		5.0	0.58	ug/Kg	10/07/14	JLI	SW8260	
Chlorobenzene	ND		5.0	0.74	ug/Kg	10/07/14	JLI	SW8260	
Chloroethane	ND		5.0	1.2	ug/Kg	10/07/14	JLI	SW8260	
Chloroform	ND		5.0	0.91	ug/Kg	10/07/14	JLI	SW8260	
Chloromethane	ND		5.0	2.6	ug/Kg	10/07/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.0	1.1	ug/Kg	10/07/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.0	0.54	ug/Kg	10/07/14	JLI	SW8260	
Dibromochloromethane	ND		5.0	0.56	ug/Kg	10/07/14	JLI	SW8260	
Dibromomethane	ND		5.0	0.63	ug/Kg	10/07/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.0	1.3	ug/Kg	10/07/14	JLI	SW8260	
Ethylbenzene	3.3	J	5.0	0.91	ug/Kg	10/07/14	JLI	SW8260	
Hexachlorobutadiene	ND		5.0	1.1	ug/Kg	10/07/14	JLI	SW8260	
Isopropylbenzene	ND		5.0	0.96	ug/Kg	10/07/14	JLI	SW8260	
m&p-Xylene	10		5.0	2.0	ug/Kg	10/07/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		30	4.3	ug/Kg	10/07/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		10	1.4	ug/Kg	10/07/14	JLI	SW8260	
Methylene chloride	ND		5.0	0.82	ug/Kg	10/07/14	JLI	SW8260	B
Naphthalene	ND		5.0	1.3	ug/Kg	10/07/14	JLI	SW8260	
n-Butylbenzene	ND		5.0	0.91	ug/Kg	10/07/14	JLI	SW8260	
n-Propylbenzene	ND		5.0	0.90	ug/Kg	10/07/14	JLI	SW8260	
o-Xylene	6.1		5.0	1.9	ug/Kg	10/07/14	JLI	SW8260	
p-Isopropyltoluene	ND		5.0	0.72	ug/Kg	10/07/14	JLI	SW8260	
sec-Butylbenzene	ND		5.0	0.94	ug/Kg	10/07/14	JLI	SW8260	
Styrene	ND		5.0	1.4	ug/Kg	10/07/14	JLI	SW8260	
tert-Butylbenzene	ND		5.0	0.80	ug/Kg	10/07/14	JLI	SW8260	
Tetrachloroethene	ND		5.0	1.1	ug/Kg	10/07/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND		10	4.5	ug/Kg	10/07/14	JLI	SW8260	1
Toluene	16		5.0	0.79	ug/Kg	10/07/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND		5.0	1.0	ug/Kg	10/07/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND		5.0	1.0	ug/Kg	10/07/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND		10	9.3	ug/Kg	10/07/14	JLI	SW8260	
Trichloroethene	ND		5.0	1.1	ug/Kg	10/07/14	JLI	SW8260	
Trichlorofluoromethane	ND		5.0	1.1	ug/Kg	10/07/14	JLI	SW8260	
Trichlorotrifluoroethane	ND		5.0	0.78	ug/Kg	10/07/14	JLI	SW8260	
Vinyl chloride	ND		5.0	1.6	ug/Kg	10/07/14	JLI	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	97				%	10/07/14	JLI	70 - 121 %	
% Bromofluorobenzene	103				%	10/07/14	JLI	59 - 113 %	

Project ID: 26 WEST ST., BROOKLYN
Client ID: LOW TRIP BLANK

Phoenix I.D.: BH22472

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Dibromofluoromethane	94			%	10/07/14	JLI	70 - 130 %
% Toluene-d8	104			%	10/07/14	JLI	84 - 138 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

VOAS SUBMITTED 100% SOLID ASSUMED

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 27, 2014
Reviewed and Released by: Tina Covensky

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

October 27, 2014

QA/QC Data

SDG I.D.: GBH22463

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 288018, QC Sample No: BH22142 (BH22463, BH22464, BH22465, BH22466, BH22467, BH22468, BH22469, BH22470)													
ICP Metals - Soil													
Aluminum	BRL	25.8	27.6	6.70	104	107	2.8	>130	>130	NC	80 - 120	30	m
Antimony	BRL	11.7	12.1	NC	93.1	94.2	1.2	100	108	7.7	70 - 130	30	
Arsenic	BRL	0.8	0.92	NC	102	107	4.8	94.8	99.5	4.8	80 - 120	30	
Barium	BRL	55.5	70.9	24.4	106	111	4.6	125	>130	NC	80 - 120	30	m
Beryllium	BRL	<0.25	<0.27	NC	106	109	2.8	98.8	102	3.2	80 - 120	30	
Cadmium	BRL	0.13	<0.34	NC	102	107	4.8	95.0	98.6	3.7	80 - 120	30	
Calcium	BRL	32.6	50.7	43.5	99.9	101	1.1	108	>130	NC	80 - 120	30	m,r
Chromium	BRL	<0.32	<0.34	NC	107	110	2.8	96.4	101	4.7	80 - 120	30	
Cobalt	BRL	<0.32	<0.34	NC	105	107	1.9	96.9	102	5.1	80 - 120	30	
Copper	BRL	0.32	<0.34	NC	108	112	3.6	101	106	4.8	80 - 120	30	
Iron	BRL	43.7	38.4	12.9	89.2	91.4	2.4	85.2	116	30.6	80 - 120	30	r
Lead	BRL	25100	28400	12.3	104	107	2.8	NC	NC	NC	80 - 120	30	
Magnesium	BRL	6.3	7.7	NC	104	107	2.8	97.4	104	6.6	80 - 120	30	
Manganese	BRL	0.67	0.63	NC	106	109	2.8	95.4	102	6.7	80 - 120	30	
Nickel	BRL	<0.32	<0.34	NC	106	108	1.9	95.5	100	4.6	80 - 120	30	
Potassium	BRL	1880	2070	9.60	116	118	1.7	>130	>130	NC	80 - 120	30	m
Selenium	BRL	<1.3	<1.4	NC	90.4	95.9	5.9	87.3	91.5	4.7	80 - 120	30	
Silver	BRL	<0.32	<0.34	NC	106	110	3.7	95.0	99.6	4.7	70 - 130	30	
Sodium	BRL	143	173	19.0	91.3	102	11.1	113	>130	NC	80 - 120	30	m
Thallium	BRL	<2.8	<3.1	NC	103	107	3.8	93.9	98.8	5.1	80 - 120	30	
Vanadium	BRL	<0.32	<0.34	NC	112	114	1.8	96.1	100	4.0	80 - 120	30	
Zinc	BRL	1.28	1.28	NC	103	106	2.9	95.2	100	4.9	80 - 120	30	
QA/QC Batch 288073, QC Sample No: BH22755 (BH22463, BH22464, BH22465, BH22466, BH22467, BH22468, BH22469, BH22470)													
Mercury - Soil	BRL	0.51	0.51	0	116	107	8.1	78.3	115	38.0	75 - 125	30	r

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

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

October 27, 2014

QA/QC Data

SDG I.D.: GBH22463

QA/QC Batch 288266, QC Sample No: BH22463 (BH22463 (56, 1X) , BH22464, BH22465 (50, 1X) , BH22466, BH22467, BH22468, BH22469, BH22470)

Volatiles - Soil

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,1,1,2-Tetrachloroethane	ND	117	111	5.3	103	103	0.0	70 - 130	30	
1,1,1-Trichloroethane	ND	105	103	1.9	103	100	3.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	117	109	7.1	119	114	4.3	70 - 130	30	
1,1,2-Trichloroethane	ND	105	103	1.9	112	108	3.6	70 - 130	30	
1,1-Dichloroethane	ND	104	99	4.9	111	107	3.7	70 - 130	30	
1,1-Dichloroethene	ND	104	99	4.9	70	66	5.9	70 - 130	30	
1,1-Dichloropropene	ND	106	105	0.9	111	109	1.8	70 - 130	30	
1,2,3-Trichlorobenzene	ND	94	93	1.1	119	116	2.6	70 - 130	30	
1,2,3-Trichloropropane	ND	117	112	4.4	114	112	1.8	70 - 130	30	
1,2,4-Trichlorobenzene	ND	84	83	1.2	119	114	4.3	70 - 130	30	
1,2,4-Trimethylbenzene	ND	95	93	2.1	111	112	0.9	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	127	121	4.8	120	110	8.7	70 - 130	30	
1,2-Dibromoethane	ND	107	105	1.9	112	107	4.6	70 - 130	30	
1,2-Dichlorobenzene	ND	101	98	3.0	112	112	0.0	70 - 130	30	
1,2-Dichloroethane	ND	109	106	2.8	110	108	1.8	70 - 130	30	
1,2-Dichloropropane	ND	106	104	1.9	108	108	0.0	70 - 130	30	
1,3,5-Trimethylbenzene	ND	103	100	3.0	110	110	0.0	70 - 130	30	
1,3-Dichlorobenzene	ND	95	93	2.1	113	112	0.9	70 - 130	30	
1,3-Dichloropropane	ND	114	110	3.6	115	112	2.6	70 - 130	30	
1,4-Dichlorobenzene	ND	92	91	1.1	113	112	0.9	70 - 130	30	
2,2-Dichloropropane	ND	103	100	3.0	97	100	3.0	70 - 130	30	
2-Chlorotoluene	ND	101	100	1.0	111	110	0.9	70 - 130	30	
2-Hexanone	ND	103	105	1.9	104	102	1.9	70 - 130	30	
2-Isopropyltoluene	ND	108	107	0.9	111	111	0.0	70 - 130	30	
4-Chlorotoluene	ND	95	94	1.1	112	110	1.8	70 - 130	30	
4-Methyl-2-pentanone	ND	107	103	3.8	108	101	6.7	70 - 130	30	
Acetone	ND	115	122	5.9	88	91	3.4	70 - 130	30	
Acrylonitrile	ND	117	107	8.9	125	117	6.6	70 - 130	30	
Benzene	ND	106	102	3.8	110	108	1.8	70 - 130	30	
Bromobenzene	ND	107	104	2.8	113	112	0.9	70 - 130	30	
Bromochloromethane	ND	107	103	3.8	109	105	3.7	70 - 130	30	
Bromodichloromethane	ND	109	106	2.8	101	99	2.0	70 - 130	30	
Bromoform	ND	120	114	5.1	102	98	4.0	70 - 130	30	
Bromomethane	ND	109	100	8.6	40	51	24.2	70 - 130	30	m
Carbon Disulfide	ND	99	96	3.1	61	58	5.0	70 - 130	30	m
Carbon tetrachloride	ND	111	109	1.8	85	84	1.2	70 - 130	30	
Chlorobenzene	ND	103	100	3.0	111	109	1.8	70 - 130	30	
Chloroethane	ND	89	90	1.1	30	30	0.0	70 - 130	30	m
Chloroform	ND	102	101	1.0	106	105	0.9	70 - 130	30	
Chloromethane	ND	91	117	25.0	72	84	15.4	70 - 130	30	

QA/QC Data

SDG I.D.: GBH22463

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
cis-1,2-Dichloroethene	ND	101	98	3.0	111	105	5.6	70 - 130	30	
cis-1,3-Dichloropropene	ND	107	104	2.8	106	103	2.9	70 - 130	30	
Dibromochloromethane	ND	118	111	6.1	103	99	4.0	70 - 130	30	
Dibromomethane	ND	107	105	1.9	113	108	4.5	70 - 130	30	
Dichlorodifluoromethane	ND	116	113	2.6	87	90	3.4	70 - 130	30	
Ethylbenzene	ND	105	103	1.9	112	109	2.7	70 - 130	30	
Hexachlorobutadiene	ND	105	101	3.9	118	116	1.7	70 - 130	30	
Isopropylbenzene	ND	106	102	3.8	111	113	1.8	70 - 130	30	
m&p-Xylene	ND	99	96	3.1	109	107	1.9	70 - 130	30	
Methyl ethyl ketone	ND	106	108	1.9	105	106	0.9	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	117	114	2.6	116	111	4.4	70 - 130	30	
Methylene chloride	4.0 JBS	116	113	2.6	118	109	7.9	70 - 130	30	
Naphthalene	ND	114	107	6.3	121	117	3.4	70 - 130	30	
n-Butylbenzene	ND	94	92	2.2	115	114	0.9	70 - 130	30	
n-Propylbenzene	ND	96	94	2.1	113	112	0.9	70 - 130	30	
o-Xylene	ND	104	100	3.9	110	110	0.0	70 - 130	30	
p-Isopropyltoluene	ND	99	99	0.0	113	112	0.9	70 - 130	30	
sec-Butylbenzene	ND	108	104	3.8	110	111	0.9	70 - 130	30	
Styrene	ND	102	98	4.0	173	182	5.1	70 - 130	30	m
tert-Butylbenzene	ND	107	104	2.8	109	110	0.9	70 - 130	30	
Tetrachloroethene	ND	103	101	2.0	113	109	3.6	70 - 130	30	
Tetrahydrofuran (THF)	ND	113	107	5.5	124	116	6.7	70 - 130	30	
Toluene	ND	102	100	2.0	108	108	0.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	104	101	2.9	119	113	5.2	70 - 130	30	
trans-1,3-Dichloropropene	ND	109	106	2.8	106	103	2.9	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	117	112	4.4	118	112	5.2	70 - 130	30	
Trichloroethene	ND	106	104	1.9	106	106	0.0	70 - 130	30	
Trichlorofluoromethane	ND	105	101	3.9	30	28	6.9	70 - 130	30	m
Trichlorotrifluoroethane	ND	108	105	2.8	98	92	6.3	70 - 130	30	
Vinyl chloride	ND	111	106	4.6	78	81	3.8	70 - 130	30	
% 1,2-dichlorobenzene-d4	98	99	101	2.0	101	101	0.0	70 - 121	30	
% Bromofluorobenzene	102	103	103	0.0	103	102	1.0	59 - 113	30	
% Dibromofluoromethane	95	94	96	2.1	96	96	0.0	70 - 130	30	
% Toluene-d8	101	99	99	0.0	98	98	0.0	84 - 138	30	

QA/QC Batch 288031, QC Sample No: BH22478 (BH22463, BH22464, BH22465, BH22466, BH22467, BH22468, BH22469, BH22470)

Pesticides - Soil

4,4' -DDD	ND	76	67	12.6	77	69	11.0	30 - 150	30	
4,4' -DDE	ND	81	71	13.2	82	74	10.3	50 - 150	30	
4,4' -DDT	ND	77	68	12.4	80	72	10.5	30 - 150	50	
a-BHC	ND	84	79	6.1	82	82	0.0	30 - 150	30	
a-Chlordane	ND	78	69	12.2	79	70	12.1	30 - 150	30	
Aldrin	ND	79	71	10.7	78	73	6.6	30 - 150	43	
b-BHC	ND	81	70	14.6	80	74	7.8	30 - 150	30	
Chlordane	ND	80	70	13.3	80	72	10.5	30 - 150	30	
d-BHC	ND	76	67	12.6	77	70	9.5	30 - 150	30	
Dieldrin	ND	72	64	11.8	72	66	8.7	30 - 130	38	
Endosulfan I	ND	77	68	12.4	79	71	10.7	30 - 150	30	
Endosulfan II	ND	74	67	9.9	88	75	16.0	30 - 150	30	
Endosulfan sulfate	ND	73	61	17.9	71	62	13.5	50 - 120	30	
Endrin	ND	82	72	13.0	84	75	11.3	50 - 120	45	
Endrin aldehyde	ND	74	59	22.6	72	65	10.2	30 - 150	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Endrin ketone	ND	85	72	16.6	84	74	12.7	30 - 150	30	
g-BHC	ND	85	80	6.1	83	80	3.7	50 - 120	50	
g-Chlordane	ND	80	70	13.3	80	72	10.5	30 - 130	30	
Heptachlor	ND	88	78	12.0	85	81	4.8	30 - 150	31	
Heptachlor epoxide	ND	78	69	12.2	77	71	8.1	50 - 150	30	
Methoxychlor	ND	82	73	11.6	98	84	15.4	30 - 150	30	
Toxaphene	ND	NA	NA	NC	NA	NA	NC	30 - 150	30	
% DCBP	88	88	77	13.3	88	79	10.8	30 - 150	30	
% TCMX	86	88	83	5.8	84	85	1.2	30 - 150	30	

Comment:

Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane. Gamma chlordane recovery is reported as chlordane in the LCS, LCSD, MS and MSD.

QA/QC Batch 288029, QC Sample No: BH22478 (BH22463, BH22464, BH22465, BH22466, BH22467, BH22468, BH22469, BH22470)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	102	99	3.0	101	99	2.0	30 - 120	15	
PCB-1221	ND							30 - 150	30	
PCB-1232	ND							30 - 150	30	
PCB-1242	ND							30 - 150	30	
PCB-1248	ND							30 - 150	30	
PCB-1254	ND							30 - 150	30	
PCB-1260	ND	96	94	2.1	97	95	2.1	30 - 150	20	
PCB-1262	ND							30 - 150	30	
PCB-1268	ND							30 - 150	30	
% DCBP (Surrogate Rec)	81	100	97	3.0	101	100	1.0	30 - 150	20	
% TCMX (Surrogate Rec)	76	95	94	1.1	95	94	1.1	30 - 150	20	

QA/QC Batch 288032, QC Sample No: BH22478 (BH22463, BH22464, BH22465, BH22466, BH22467, BH22468, BH22469, BH22470)

Semivolatiles - Soil

1,2,4,5-Tetrachlorobenzene	ND	88	84	4.7	75	85	12.5	30 - 130	30	
1,2,4-Trichlorobenzene	ND	88	84	4.7	76	84	10.0	30 - 130	30	
1,2-Dichlorobenzene	ND	82	78	5.0	70	77	9.5	30 - 130	30	
1,2-Diphenylhydrazine	ND	94	90	4.3	70	80	13.3	30 - 130	30	
1,3-Dichlorobenzene	ND	78	73	6.6	66	71	7.3	30 - 130	30	
1,4-Dichlorobenzene	ND	79	74	6.5	67	73	8.6	30 - 130	30	
2,4,5-Trichlorophenol	ND	93	92	1.1	82	96	15.7	30 - 130	30	
2,4,6-Trichlorophenol	ND	93	92	1.1	81	91	11.6	30 - 130	30	
2,4-Dichlorophenol	ND	94	91	3.2	79	88	10.8	30 - 130	30	
2,4-Dimethylphenol	ND	85	83	2.4	67	54	21.5	30 - 130	30	
2,4-Dinitrophenol	ND	16	26	47.6	29	49	51.3	30 - 130	30	l,m,r
2,4-Dinitrotoluene	ND	86	87	1.2	77	88	13.3	30 - 130	30	
2,6-Dinitrotoluene	ND	95	91	4.3	81	94	14.9	30 - 130	30	
2-Chloronaphthalene	ND	91	88	3.4	79	90	13.0	30 - 130	30	
2-Chlorophenol	ND	89	86	3.4	76	84	10.0	30 - 130	30	
2-Methylnaphthalene	ND	91	85	6.8	75	85	12.5	30 - 130	30	
2-Methylphenol (o-cresol)	ND	90	87	3.4	76	80	5.1	30 - 130	30	
2-Nitroaniline	ND	100	101	1.0	89	99	10.6	30 - 130	30	
2-Nitrophenol	ND	83	82	1.2	74	82	10.3	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	85	83	2.4	71	74	4.1	30 - 130	30	
3,3'-Dichlorobenzidine	ND	86	89	3.4	79	63	22.5	30 - 130	30	
3-Nitroaniline	ND	104	104	0.0	89	98	9.6	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	37	51	31.8	72	88	20.0	30 - 130	30	r

QA/QC Data

SDG I.D.: GBH22463

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
4-Bromophenyl phenyl ether	ND	95	93	2.1	79	90	13.0	30 - 130	30	
4-Chloro-3-methylphenol	ND	97	93	4.2	82	91	10.4	30 - 130	30	
4-Chloroaniline	ND	76	75	1.3	57	71	21.9	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	84	84	0.0	74	84	12.7	30 - 130	30	
4-Nitroaniline	ND	90	89	1.1	80	92	14.0	30 - 130	30	
4-Nitrophenol	ND	93	86	7.8	80	98	20.2	30 - 130	30	
Acenaphthene	ND	86	85	1.2	76	86	12.3	30 - 130	30	
Acenaphthylene	ND	83	80	3.7	72	81	11.8	30 - 130	30	
Acetophenone	ND	79	74	6.5	67	74	9.9	30 - 130	30	
Aniline	ND	80	79	1.3	55	63	13.6	30 - 130	30	
Anthracene	ND	91	92	1.1	80	89	10.7	30 - 130	30	
Benz(a)anthracene	ND	87	88	1.1	75	85	12.5	30 - 130	30	
Benzidine	ND	27	41	41.2	<10	<10	NC	30 - 130	30	l,m,r
Benzo(a)pyrene	ND	91	94	3.2	75	89	17.1	30 - 130	30	
Benzo(b)fluoranthene	ND	82	86	4.8	74	84	12.7	30 - 130	30	
Benzo(ghi)perylene	ND	97	95	2.1	71	96	29.9	30 - 130	30	
Benzo(k)fluoranthene	ND	88	92	4.4	81	91	11.6	30 - 130	30	
Benzoic Acid	ND	<10	14	NC	<10	<10	NC	30 - 130	30	l,m
Benzyl butyl phthalate	ND	89	90	1.1	73	85	15.2	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	88	86	2.3	75	83	10.1	30 - 130	30	
Bis(2-chloroethyl)ether	ND	73	68	7.1	61	67	9.4	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	81	77	5.1	69	76	9.7	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	94	97	3.1	79	89	11.9	30 - 130	30	
Carbazole	ND	111	111	0.0	96	103	7.0	30 - 130	30	
Chrysene	ND	94	92	2.2	78	91	15.4	30 - 130	30	
Dibenz(a,h)anthracene	ND	93	90	3.3	71	94	27.9	30 - 130	30	
Dibenzofuran	ND	85	85	0.0	75	86	13.7	30 - 130	30	
Diethyl phthalate	ND	85	86	1.2	75	86	13.7	30 - 130	30	
Dimethylphthalate	ND	85	86	1.2	76	86	12.3	30 - 130	30	
Di-n-butylphthalate	ND	95	95	0.0	78	93	17.5	30 - 130	30	
Di-n-octylphthalate	ND	92	92	0.0	78	84	7.4	30 - 130	30	
Fluoranthene	ND	94	94	0.0	80	92	14.0	30 - 130	30	
Fluorene	ND	83	82	1.2	75	84	11.3	30 - 130	30	
Hexachlorobenzene	ND	91	91	0.0	77	87	12.2	30 - 130	30	
Hexachlorobutadiene	ND	82	78	5.0	69	77	11.0	30 - 130	30	
Hexachlorocyclopentadiene	ND	83	80	3.7	63	81	25.0	30 - 130	30	
Hexachloroethane	ND	75	71	5.5	64	70	9.0	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	100	97	3.0	77	98	24.0	30 - 130	30	
Isophorone	ND	79	77	2.6	68	75	9.8	30 - 130	30	
Naphthalene	ND	85	81	4.8	72	80	10.5	30 - 130	30	
Nitrobenzene	ND	83	79	4.9	72	79	9.3	30 - 130	30	
N-Nitrosodimethylamine	ND	71	69	2.9	63	69	9.1	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	82	80	2.5	70	77	9.5	30 - 130	30	
N-Nitrosodiphenylamine	ND	102	101	1.0	86	93	7.8	30 - 130	30	
Pentachloronitrobenzene	ND	88	88	0.0	75	85	12.5	30 - 130	30	
Pentachlorophenol	ND	82	80	2.5	88	94	6.6	30 - 130	30	
Phenanthrene	ND	93	93	0.0	80	89	10.7	30 - 130	30	
Phenol	ND	89	85	4.6	74	82	10.3	30 - 130	30	
Pyrene	ND	97	95	2.1	84	95	12.3	30 - 130	30	
Pyridine	ND	52	50	3.9	49	49	0.0	30 - 130	30	
% 2,4,6-Tribromophenol	74	92	91	1.1	79	89	11.9	30 - 130	30	
% 2-Fluorobiphenyl	77	86	83	3.6	73	84	14.0	30 - 115	30	
% 2-Fluorophenol	82	88	85	3.5	72	79	9.3	30 - 130	30	

QA/QC Data

SDG I.D.: GBH22463

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
% Nitrobenzene-d5	80	85	81	4.8	72	79	9.3	23 - 120	30	
% Phenol-d5	84	96	92	4.3	81	89	9.4	30 - 130	30	
% Terphenyl-d14	82	101	100	1.0	84	94	11.2	18 - 137	30	
QA/QC Batch 288497, QC Sample No: BH22946 (BH22471 (50X))										
Volatiles - Soil										
1,1,1,2-Tetrachloroethane	ND	102	101	1.0	106	106	0.0	70 - 130	30	
1,1,1-Trichloroethane	ND	106	105	0.9	107	106	0.9	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	103	105	1.9	106	108	1.9	70 - 130	30	
1,1,2-Trichloroethane	ND	101	101	0.0	109	106	2.8	70 - 130	30	
1,1-Dichloroethane	ND	106	105	0.9	110	108	1.8	70 - 130	30	
1,1-Dichloroethene	ND	115	115	0.0	88	87	1.1	70 - 130	30	
1,1-Dichloropropene	ND	108	108	0.0	114	113	0.9	70 - 130	30	
1,2,3-Trichlorobenzene	ND	84	82	2.4	103	102	1.0	70 - 130	30	
1,2,3-Trichloropropane	ND	106	106	0.0	110	109	0.9	70 - 130	30	
1,2,4-Trichlorobenzene	ND	76	75	1.3	103	101	2.0	70 - 130	30	
1,2,4-Trimethylbenzene	ND	92	91	1.1	111	109	1.8	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	100	96	4.1	95	96	1.0	70 - 130	30	
1,2-Dibromoethane	ND	99	100	1.0	105	104	1.0	70 - 130	30	
1,2-Dichlorobenzene	ND	95	95	0.0	109	109	0.0	70 - 130	30	
1,2-Dichloroethane	ND	103	104	1.0	110	108	1.8	70 - 130	30	
1,2-Dichloropropane	ND	104	104	0.0	112	108	3.6	70 - 130	30	
1,3,5-Trimethylbenzene	ND	98	98	0.0	110	109	0.9	70 - 130	30	
1,3-Dichlorobenzene	ND	89	89	0.0	108	106	1.9	70 - 130	30	
1,3-Dichloropropane	ND	107	107	0.0	112	112	0.0	70 - 130	30	
1,4-Dichlorobenzene	ND	89	89	0.0	110	108	1.8	70 - 130	30	
2,2-Dichloropropane	ND	98	97	1.0	100	99	1.0	70 - 130	30	
2-Chlorotoluene	ND	97	98	1.0	112	109	2.7	70 - 130	30	
2-Hexanone	ND	76	70	8.2	68	68	0.0	70 - 130	30	m
2-Isopropyltoluene	ND	104	103	1.0	113	111	1.8	70 - 130	30	
4-Chlorotoluene	ND	91	91	0.0	111	108	2.7	70 - 130	30	
4-Methyl-2-pentanone	ND	92	93	1.1	94	92	2.2	70 - 130	30	
Acetone	ND	136	123	10.0	82	79	3.7	70 - 130	30	l
Acrylonitrile	ND	103	104	1.0	100	99	1.0	70 - 130	30	
Benzene	ND	108	108	0.0	115	113	1.8	70 - 130	30	
Bromobenzene	ND	96	96	0.0	107	107	0.0	70 - 130	30	
Bromochloromethane	ND	106	105	0.9	109	108	0.9	70 - 130	30	
Bromodichloromethane	ND	102	103	1.0	106	105	0.9	70 - 130	30	
Bromoform	ND	94	97	3.1	91	92	1.1	70 - 130	30	
Bromomethane	ND	123	125	1.6	77	85	9.9	70 - 130	30	
Carbon Disulfide	ND	113	111	1.8	86	86	0.0	70 - 130	30	
Carbon tetrachloride	ND	103	103	0.0	104	102	1.9	70 - 130	30	
Chlorobenzene	ND	102	102	0.0	114	113	0.9	70 - 130	30	
Chloroethane	ND	97	93	4.2	37	36	2.7	70 - 130	30	m
Chloroform	ND	105	103	1.9	103	101	2.0	70 - 130	30	
Chloromethane	ND	109	108	0.9	114	110	3.6	70 - 130	30	
cis-1,2-Dichloroethene	ND	105	106	0.9	111	110	0.9	70 - 130	30	
cis-1,3-Dichloropropene	ND	102	102	0.0	109	107	1.9	70 - 130	30	
Dibromochloromethane	ND	99	101	2.0	99	100	1.0	70 - 130	30	
Dibromomethane	ND	105	103	1.9	110	110	0.0	70 - 130	30	
Dichlorodifluoromethane	ND	114	114	0.0	113	105	7.3	70 - 130	30	
Ethylbenzene	ND	106	106	0.0	114	112	1.8	70 - 130	30	
Hexachlorobutadiene	ND	95	96	1.0	112	109	2.7	70 - 130	30	

QA/QC Data

SDG I.D.: GBH22463

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Isopropylbenzene	ND	102	103	1.0	114	113	0.9	70 - 130	30	
m&p-Xylene	ND	102	103	1.0	114	111	2.7	70 - 130	30	
Methyl ethyl ketone	ND	86	80	7.2	70	67	4.4	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	112	112	0.0	111	109	1.8	70 - 130	30	
Methylene chloride	4.9 JBS	128	126	1.6	131	133	1.5	70 - 130	30	m
Naphthalene	ND	93	93	0.0	101	102	1.0	70 - 130	30	
n-Butylbenzene	ND	91	91	0.0	115	112	2.6	70 - 130	30	
n-Propylbenzene	ND	93	93	0.0	113	111	1.8	70 - 130	30	
o-Xylene	ND	101	101	0.0	112	110	1.8	70 - 130	30	
p-Isopropyltoluene	ND	97	97	0.0	112	110	1.8	70 - 130	30	
sec-Butylbenzene	ND	105	104	1.0	115	112	2.6	70 - 130	30	
Styrene	ND	99	99	0.0	97	95	2.1	70 - 130	30	
tert-Butylbenzene	ND	103	102	1.0	112	111	0.9	70 - 130	30	
Tetrachloroethene	ND	100	100	0.0	111	110	0.9	70 - 130	30	
Tetrahydrofuran (THF)	ND	102	100	2.0	99	96	3.1	70 - 130	30	
Toluene	ND	104	104	0.0	114	112	1.8	70 - 130	30	
trans-1,2-Dichloroethene	ND	132	132	0.0	132	129	2.3	70 - 130	30	l,m
trans-1,3-Dichloropropene	ND	103	102	1.0	106	105	0.9	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	99	100	1.0	100	101	1.0	70 - 130	30	
Trichloroethene	ND	111	111	0.0	114	112	1.8	70 - 130	30	
Trichlorofluoromethane	ND	107	106	0.9	25	25	0.0	70 - 130	30	m
Trichlorotrifluoroethane	ND	111	111	0.0	91	92	1.1	70 - 130	30	
Vinyl chloride	ND	116	115	0.9	141	137	2.9	70 - 130	30	m
% 1,2-dichlorobenzene-d4	99	99	99	0.0	100	101	1.0	70 - 121	30	
% Bromofluorobenzene	97	98	99	1.0	99	99	0.0	59 - 113	30	
% Dibromofluoromethane	96	95	95	0.0	95	92	3.2	70 - 130	30	
% Toluene-d8	93	100	99	1.0	100	100	0.0	84 - 138	30	

QA/QC Batch 288387, QC Sample No: BH23194 (BH22469 (45X))

Volatiles - Soil

1,2,3-Trichlorobenzene	ND	111	104	6.5	59	56	5.2	70 - 130	30	m
1,2,3-Trichloropropane	ND	112	103	8.4	120	119	0.8	70 - 130	30	
1,2,4-Trichlorobenzene	ND	112	102	9.3	65	63	3.1	70 - 130	30	m
1,2,4-Trimethylbenzene	ND	106	97	8.9	101	99	2.0	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	115	107	7.2	107	107	0.0	70 - 130	30	
1,2-Dichlorobenzene	ND	111	102	8.5	98	96	2.1	70 - 130	30	
1,3,5-Trimethylbenzene	ND	109	101	7.6	101	98	3.0	70 - 130	30	
1,3-Dichlorobenzene	ND	112	102	9.3	96	95	1.0	70 - 130	30	
1,4-Dichlorobenzene	ND	112	103	8.4	98	96	2.1	70 - 130	30	
2-Chlorotoluene	ND	110	101	8.5	108	106	1.9	70 - 130	30	
2-Isopropyltoluene	ND	113	105	7.3	94	91	3.2	70 - 130	30	
4-Chlorotoluene	ND	110	100	9.5	106	102	3.8	70 - 130	30	
Bromobenzene	ND	112	102	9.3	110	108	1.8	70 - 130	30	
Hexachlorobutadiene	ND	114	105	8.2	43	39	9.8	70 - 130	30	m
Isopropylbenzene	ND	110	101	8.5	111	107	3.7	70 - 130	30	
Naphthalene	ND	114	106	7.3	76	74	2.7	70 - 130	30	
n-Butylbenzene	ND	109	101	7.6	78	75	3.9	70 - 130	30	
n-Propylbenzene	ND	105	97	7.9	104	102	1.9	70 - 130	30	
p-Isopropyltoluene	ND	110	101	8.5	88	85	3.5	70 - 130	30	
sec-Butylbenzene	ND	112	103	8.4	90	86	4.5	70 - 130	30	
tert-Butylbenzene	ND	109	101	7.6	98	94	4.2	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	118	108	8.8	114	111	2.7	70 - 130	30	
% 1,2-dichlorobenzene-d4	99	99	101	2.0	98	99	1.0	70 - 121	30	

QA/QC Data

SDG I.D.: GBH22463

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% Bromofluorobenzene	95	100	100	0.0	94	94	0.0	59 - 113	30
QA/QC Batch 288365, QC Sample No: BH23307 (BH22472)									
Volatiles - Soil									
1,1,1,2-Tetrachloroethane	ND	98	104	5.9				70 - 130	30
1,1,1-Trichloroethane	ND	101	107	5.8				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	102	105	2.9				70 - 130	30
1,1,2-Trichloroethane	ND	93	100	7.3				70 - 130	30
1,1-Dichloroethane	ND	99	106	6.8				70 - 130	30
1,1-Dichloroethene	ND	105	110	4.7				70 - 130	30
1,1-Dichloropropene	ND	99	101	2.0				70 - 130	30
1,2,3-Trichlorobenzene	ND	93	96	3.2				70 - 130	30
1,2,3-Trichloropropane	ND	96	103	7.0				70 - 130	30
1,2,4-Trichlorobenzene	ND	90	90	0.0				70 - 130	30
1,2,4-Trimethylbenzene	ND	91	94	3.2				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	97	106	8.9				70 - 130	30
1,2-Dibromoethane	ND	97	104	7.0				70 - 130	30
1,2-Dichlorobenzene	ND	95	98	3.1				70 - 130	30
1,2-Dichloroethane	ND	95	102	7.1				70 - 130	30
1,2-Dichloropropane	ND	97	101	4.0				70 - 130	30
1,3,5-Trimethylbenzene	ND	98	101	3.0				70 - 130	30
1,3-Dichlorobenzene	ND	93	95	2.1				70 - 130	30
1,3-Dichloropropane	ND	97	103	6.0				70 - 130	30
1,4-Dichlorobenzene	ND	91	93	2.2				70 - 130	30
2,2-Dichloropropane	ND	100	103	3.0				70 - 130	30
2-Chlorotoluene	ND	95	98	3.1				70 - 130	30
2-Hexanone	ND	83	90	8.1				70 - 130	30
2-Isopropyltoluene	ND	103	106	2.9				70 - 130	30
4-Chlorotoluene	ND	92	93	1.1				70 - 130	30
4-Methyl-2-pentanone	ND	90	96	6.5				70 - 130	30
Acetone	ND	91	101	10.4				70 - 130	30
Acrylonitrile	ND	103	108	4.7				70 - 130	30
Benzene	ND	98	105	6.9				70 - 130	30
Bromobenzene	ND	96	100	4.1				70 - 130	30
Bromochloromethane	ND	95	105	10.0				70 - 130	30
Bromodichloromethane	ND	99	104	4.9				70 - 130	30
Bromoform	ND	99	106	6.8				70 - 130	30
Bromomethane	ND	107	113	5.5				70 - 130	30
Carbon Disulfide	ND	107	111	3.7				70 - 130	30
Carbon tetrachloride	ND	98	105	6.9				70 - 130	30
Chlorobenzene	ND	93	99	6.3				70 - 130	30
Chloroethane	ND	103	106	2.9				70 - 130	30
Chloroform	ND	99	105	5.9				70 - 130	30
Chloromethane	ND	101	108	6.7				70 - 130	30
cis-1,2-Dichloroethene	ND	98	105	6.9				70 - 130	30
cis-1,3-Dichloropropene	ND	100	106	5.8				70 - 130	30
Dibromochloromethane	ND	100	105	4.9				70 - 130	30
Dibromomethane	ND	94	99	5.2				70 - 130	30
Dichlorodifluoromethane	ND	110	118	7.0				70 - 130	30
Ethylbenzene	ND	98	103	5.0				70 - 130	30
Hexachlorobutadiene	ND	104	106	1.9				70 - 130	30
Isopropylbenzene	ND	97	100	3.0				70 - 130	30
m&p-Xylene	ND	96	100	4.1				70 - 130	30

QA/QC Data

SDG I.D.: GBH22463

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Methyl ethyl ketone	ND	85	99	15.2				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	101	109	7.6				70 - 130	30
Methylene chloride	2.4 JBS	91	94	3.2				70 - 130	30
Naphthalene	ND	101	106	4.8				70 - 130	30
n-Butylbenzene	ND	95	95	0.0				70 - 130	30
n-Propylbenzene	ND	90	91	1.1				70 - 130	30
o-Xylene	ND	98	103	5.0				70 - 130	30
p-Isopropyltoluene	ND	97	100	3.0				70 - 130	30
sec-Butylbenzene	ND	101	105	3.9				70 - 130	30
Styrene	ND	97	102	5.0				70 - 130	30
tert-Butylbenzene	ND	99	102	3.0				70 - 130	30
Tetrachloroethene	ND	95	100	5.1				70 - 130	30
Tetrahydrofuran (THF)	ND	100	109	8.6				70 - 130	30
Toluene	ND	97	101	4.0				70 - 130	30
trans-1,2-Dichloroethene	ND	100	107	6.8				70 - 130	30
trans-1,3-Dichloropropene	ND	99	105	5.9				70 - 130	30
trans-1,4-dichloro-2-butene	ND	98	104	5.9				70 - 130	30
Trichloroethene	ND	100	105	4.9				70 - 130	30
Trichlorofluoromethane	ND	108	109	0.9				70 - 130	30
Trichlorotrifluoroethane	ND	107	107	0.0				70 - 130	30
Vinyl chloride	ND	100	106	5.8				70 - 130	30
% 1,2-dichlorobenzene-d4	96	102	99	3.0				70 - 121	30
% Bromofluorobenzene	99	100	100	0.0				59 - 113	30
% Dibromofluoromethane	101	101	105	3.9				70 - 130	30
% Toluene-d8	114	99	98	1.0				84 - 138	30

Comment:

The MS/MSD are not reported for this batch.

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 27, 2014

Sample Criteria Exceedences Report

GBH22463 - EBC

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH22463	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	204	7.0	63	63	mg/Kg
BH22463	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	148	7.0	109	109	mg/Kg
BH22465	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	170	6.5	63	63	mg/Kg
BH22467	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	1200	250	1000	1000	ug/Kg
BH22467	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1300	250	1000	1000	ug/Kg
BH22467	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1200	250	1000	1000	ug/Kg
BH22467	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1200	250	1000	1000	ug/Kg
BH22467	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1300	250	1000	1000	ug/Kg
BH22467	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	250	1000	1000	ug/Kg
BH22467	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1300	250	1000	1000	ug/Kg
BH22467	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	250	1000	1000	ug/Kg
BH22467	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	55.1	0.35	50	50	mg/kg
BH22467	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.20	0.06	0.18	0.18	mg/Kg
BH22469	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	2100	250	1000	1000	ug/Kg
BH22469	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	2100	250	1000	1000	ug/Kg
BH22469	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2100	250	1000	1000	ug/Kg
BH22469	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	2200	250	1000	1000	ug/Kg
BH22469	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2200	250	1000	1000	ug/Kg
BH22469	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2600	250	1000	1000	ug/Kg
BH22469	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	2600	250	1000	1000	ug/Kg
BH22469	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2600	250	1000	1000	ug/Kg
BH22469	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	910	250	800	800	ug/Kg
BH22469	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	1800	250	1000	1000	ug/Kg
BH22469	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1800	250	1000	1000	ug/Kg
BH22469	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1800	250	1000	1000	ug/Kg
BH22469	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	630	250	500	500	ug/Kg
BH22469	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	630	250	500	500	ug/Kg
BH22469	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	630	250	500	500	ug/Kg
BH22469	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.38	0.08	0.18	0.18	mg/Kg
BH22469	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	343	7.5	63	63	mg/Kg

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

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 27, 2014

SDG I.D.: GBH22463

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

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

PHOENIX Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

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

Contact Options:
☐ Fax:
☐ Phone:
☒ Email: CBosik@EBCincNY.com

Customer: 1505 Middle Country Rd
Address: Ridge NY

Project: 26 WEST ST. Brooklyn
Report to: EBC
Invoice to:

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Sunny Chen Date: 10-1-14

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

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs 8260	SVOCs 8270	Pesticides/PCBs	TAL Metals	Soil VOA Vials [X] methanol [ ] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
22463	B6 0-2'	S	10-1	900	X	X	X	X	3	1								
22464	B6 11-13'	S	↓	930	↓	↓	↓	↓	↓	↓								
22465	B8 0-2'	S	↓	1000	↓	↓	↓	↓	↓	↓								
22466	B8 11-13'	S	↓	1030	↓	↓	↓	↓	↓	↓								
22467	B7 0-2'	S	↓	1200	↓	↓	↓	↓	↓	↓								
22468	B7 11-13'	S	↓	1230	↓	↓	↓	↓	↓	↓								
22469	B5 0-2'	S	↓	1400	↓	↓	↓	↓	↓	↓								
22470	B5 11-13'	S	↓	1500	↓	↓	↓	↓	↓	↓								
22471	Hi Trip blank	TB	↓		↓				1									
22472	Low Trip blank	TB	↓		↓				2									

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	10/2/14	10:00
		10-2-14	16:37

Comments, Special Requirements or Regulations:

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

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

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

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

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

State where samples were collected: NY

PHOENIX
Environmental Laboratories, Inc.

Friday, October 10, 2014

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

Project ID: 26 WEST ST., BROOKLYN
Sample ID#s: BH22957 - BH22959

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

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

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

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

Sincerely yours,

Phyllis Shiller
Laboratory Director

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

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

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	SC	10/02/14	14:41
Location Code:	EBC	Received by:	LB	10/03/14	15:35
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH22957
Phoenix ID: BH22957

Project ID: 26 WEST ST., BROOKLYN
Client ID: SG-6

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	0.330	*0.146*	2.26	*1.00*	10/06/14	KCA	TO15	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	10/06/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	0.170	*0.146*	1.17	*1.00*	10/06/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	10/06/14	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	10/06/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	10/06/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	10/06/14	KCA	TO15	
1,2,4-Trimethylbenzene	1.10	*0.204*	5.40	*1.00*	10/06/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	10/06/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	10/06/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	10/06/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	10/06/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	10/06/14	KCA	TO15	
1,3,5-Trimethylbenzene	0.330	*0.204*	1.62	*1.00*	10/06/14	KCA	TO15	
1,3-Butadiene	0.650	*0.452*	1.44	*1.00*	10/06/14	KCA	TO15	
1,3-Dichlorobenzene	0.870	*0.166*	5.23	*1.00*	10/06/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	10/06/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	10/06/14	KCA	TO15	
2-Hexanone(MBK)	0.440	*0.244*	1.80	*1.00*	10/06/14	KCA	TO15	1
4-Ethyltoluene	0.770	*0.204*	3.78	*1.00*	10/06/14	KCA	TO15	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	10/06/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	0.300	*0.244*	1.23	*1.00*	10/06/14	KCA	TO15	
Acetone	108	*0.421*	256	*1.00*	10/06/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	10/06/14	KCA	TO15	
Benzene	5.93	*0.313*	18.9	*1.00*	10/06/14	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	10/06/14	KCA	TO15	

Project ID: 26 WEST ST., BROOKLYN
Client ID: SG-6

Phoenix I.D.: BH22957

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	10/06/14	KCA	TO15	
Bromoform	ND	*0.097*	ND	*1.00*	10/06/14	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	10/06/14	KCA	TO15	
Carbon Disulfide	11.1	*0.321*	34.5	*1.00*	10/06/14	KCA	TO15	
Carbon Tetrachloride	ND	*0.040*	ND	*0.25*	10/06/14	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	10/06/14	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	10/06/14	KCA	TO15	
Chloroform	0.280	*0.205*	1.37	*1.00*	10/06/14	KCA	TO15	
Chloromethane	ND	*0.484*	ND	*1.00*	10/06/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	10/06/14	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	10/06/14	KCA	TO15	
Cyclohexane	0.430	*0.291*	1.48	*1.00*	10/06/14	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	10/06/14	KCA	TO15	
Dichlorodifluoromethane	0.540	*0.202*	2.67	*1.00*	10/06/14	KCA	TO15	
Ethanol	19.4	*0.531*	36.5	*1.00*	10/06/14	KCA	TO15	1
Ethyl acetate	ND	*0.278*	ND	*1.00*	10/06/14	KCA	TO15	1
Ethylbenzene	5.42	*0.230*	23.5	*1.00*	10/06/14	KCA	TO15	
Heptane	0.720	*0.244*	2.95	*1.00*	10/06/14	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	10/06/14	KCA	TO15	
Hexane	0.810	*0.284*	2.85	*1.00*	10/06/14	KCA	TO15	
Isopropylalcohol	1.08	*0.407*	2.65	*1.00*	10/06/14	KCA	TO15	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	10/06/14	KCA	TO15	
m,p-Xylene	21.8	*0.230*	94.6	*1.00*	10/06/14	KCA	TO15	
Methyl Ethyl Ketone	3.92	*0.339*	11.6	*1.00*	10/06/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	10/06/14	KCA	TO15	
Methylene Chloride	0.340	*0.288*	1.18	*1.00*	10/06/14	KCA	TO15	
n-Butylbenzene	0.290	*0.182*	1.59	*1.00*	10/06/14	KCA	TO15	1
o-Xylene	7.11	*0.230*	30.8	*1.00*	10/06/14	KCA	TO15	
Propylene	2.82	*0.581*	4.85	*1.00*	10/06/14	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	10/06/14	KCA	TO15	1
Styrene	0.760	*0.235*	3.24	*1.00*	10/06/14	KCA	TO15	
Tetrachloroethene	0.460	*0.037*	3.12	*0.25*	10/06/14	KCA	TO15	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	10/06/14	KCA	TO15	1
Toluene	14.7	*0.266*	55.4	*1.00*	10/06/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	10/06/14	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	10/06/14	KCA	TO15	
Trichloroethene	0.160	*0.047*	0.859	*0.25*	10/06/14	KCA	TO15	
Trichlorofluoromethane	0.720	*0.178*	4.04	*1.00*	10/06/14	KCA	TO15	
Trichlorotrifluoroethane	ND	*0.130*	ND	*1.00*	10/06/14	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	10/06/14	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	98	*%*	98	*%*	10/06/14	KCA	TO15	

Project ID: 26 WEST ST., BROOKLYN

Client ID: SG-6

Phoenix I.D.: BH22957

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

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

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

Comments:

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 10, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	SC	10/02/14	14:21
Location Code:	EBC	Received by:	LB	10/03/14	15:35
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH22957
Phoenix ID: BH22958

Project ID: 26 WEST ST., BROOKLYN
Client ID: SG-7

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*	10/06/14	KCA	TO15	1
1,1,1-Trichloroethane	0.720	*0.183*	3.92	*1.00*	10/06/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	10/06/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	10/06/14	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	10/06/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	10/06/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	10/06/14	KCA	TO15	
1,2,4-Trimethylbenzene	0.810	*0.204*	3.98	*1.00*	10/06/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	10/06/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	10/06/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	10/06/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	10/06/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	10/06/14	KCA	TO15	
1,3,5-Trimethylbenzene	ND	*0.204*	ND	*1.00*	10/06/14	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	10/06/14	KCA	TO15	
1,3-Dichlorobenzene	0.760	*0.166*	4.57	*1.00*	10/06/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	10/06/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	10/06/14	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	10/06/14	KCA	TO15	1
4-Ethyltoluene	ND	*0.204*	ND	*1.00*	10/06/14	KCA	TO15	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	10/06/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	0.290	*0.244*	1.19	*1.00*	10/06/14	KCA	TO15	
Acetone	200	*0.421*	475	*1.00*	10/06/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	10/06/14	KCA	TO15	
Benzene	0.750	*0.313*	2.39	*1.00*	10/06/14	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	10/06/14	KCA	TO15	

Project ID: 26 WEST ST., BROOKLYN
Client ID: SG-7

Phoenix I.D.: BH22958

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	10/06/14	KCA	TO15	
Bromoform	ND	*0.097*	ND	*1.00*	10/06/14	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	10/06/14	KCA	TO15	
Carbon Disulfide	4.07	*0.321*	12.7	*1.00*	10/06/14	KCA	TO15	
Carbon Tetrachloride	ND	*0.040*	ND	*0.25*	10/06/14	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	10/06/14	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	10/06/14	KCA	TO15	
Chloroform	0.220	*0.205*	1.07	*1.00*	10/06/14	KCA	TO15	
Chloromethane	ND	*0.484*	ND	*1.00*	10/06/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	10/06/14	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	10/06/14	KCA	TO15	
Cyclohexane	0.370	*0.291*	1.27	*1.00*	10/06/14	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	10/06/14	KCA	TO15	
Dichlorodifluoromethane	0.360	*0.202*	1.78	*1.00*	10/06/14	KCA	TO15	
Ethanol	27.8	*0.531*	52.3	*1.00*	10/06/14	KCA	TO15	1
Ethyl acetate	ND	*0.278*	ND	*1.00*	10/06/14	KCA	TO15	1
Ethylbenzene	1.18	*0.230*	5.12	*1.00*	10/06/14	KCA	TO15	
Heptane	0.490	*0.244*	2.01	*1.00*	10/06/14	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	10/06/14	KCA	TO15	
Hexane	0.770	*0.284*	2.71	*1.00*	10/06/14	KCA	TO15	
Isopropylalcohol	1.67	*0.407*	4.10	*1.00*	10/06/14	KCA	TO15	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	10/06/14	KCA	TO15	
m,p-Xylene	4.63	*0.230*	20.1	*1.00*	10/06/14	KCA	TO15	
Methyl Ethyl Ketone	4.21	*0.339*	12.4	*1.00*	10/06/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	10/06/14	KCA	TO15	
Methylene Chloride	0.550	*0.288*	1.91	*1.00*	10/06/14	KCA	TO15	
n-Butylbenzene	0.240	*0.182*	1.32	*1.00*	10/06/14	KCA	TO15	1
o-Xylene	1.52	*0.230*	6.60	*1.00*	10/06/14	KCA	TO15	
Propylene	ND	*0.581*	ND	*1.00*	10/06/14	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	10/06/14	KCA	TO15	1
Styrene	0.560	*0.235*	2.38	*1.00*	10/06/14	KCA	TO15	
Tetrachloroethene	0.390	*0.037*	2.64	*0.25*	10/06/14	KCA	TO15	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	10/06/14	KCA	TO15	1
Toluene	6.54	*0.266*	24.6	*1.00*	10/06/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	10/06/14	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	10/06/14	KCA	TO15	
Trichloroethene	1.55	*0.047*	8.32	*0.25*	10/06/14	KCA	TO15	
Trichlorofluoromethane	1.18	*0.178*	6.62	*1.00*	10/06/14	KCA	TO15	
Trichlorotrifluoroethane	ND	*0.130*	ND	*1.00*	10/06/14	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	10/06/14	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	104	%	104	%	10/06/14	KCA	TO15	

Project ID: 26 WEST ST., BROOKLYN

Client ID: SG-7

Phoenix I.D.: BH22958

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

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

Comments:

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Phyllis Shiller, Laboratory Director

October 10, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	SC	10/02/14	14:42
Location Code:	EBC	Received by:	LB	10/03/14	15:35
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH22957
Phoenix ID: BH22959

Project ID: 26 WEST ST., BROOKLYN
Client ID: SG-5

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	10/06/14	KCA	TO15	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	10/06/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	10/06/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	10/06/14	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	10/06/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	10/06/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	10/06/14	KCA	TO15	
1,2,4-Trimethylbenzene	0.940	*0.204*	4.62	*1.00*	10/06/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	10/06/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	10/06/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	10/06/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	10/06/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	10/06/14	KCA	TO15	
1,3,5-Trimethylbenzene	0.400	*0.204*	1.96	*1.00*	10/06/14	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	10/06/14	KCA	TO15	
1,3-Dichlorobenzene	0.840	*0.166*	5.05	*1.00*	10/06/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	10/06/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	10/06/14	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	10/06/14	KCA	TO15	1
4-Ethyltoluene	ND	*0.204*	ND	*1.00*	10/06/14	KCA	TO15	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	10/06/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	10/06/14	KCA	TO15	
Acetone	154	*0.421*	366	*1.00*	10/06/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	10/06/14	KCA	TO15	
Benzene	5.70	*0.313*	18.2	*1.00*	10/06/14	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	10/06/14	KCA	TO15	

Project ID: 26 WEST ST., BROOKLYN
Client ID: SG-5

Phoenix I.D.: BH22959

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	10/06/14	KCA	TO15	
Bromoform	ND	*0.097*	ND	*1.00*	10/06/14	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	10/06/14	KCA	TO15	
Carbon Disulfide	1.28	*0.321*	3.98	*1.00*	10/06/14	KCA	TO15	
Carbon Tetrachloride	ND	*0.040*	ND	*0.25*	10/06/14	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	10/06/14	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	10/06/14	KCA	TO15	
Chloroform	ND	*0.205*	ND	*1.00*	10/06/14	KCA	TO15	
Chloromethane	ND	*0.484*	ND	*1.00*	10/06/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	10/06/14	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	10/06/14	KCA	TO15	
Cyclohexane	ND	*0.291*	ND	*1.00*	10/06/14	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	10/06/14	KCA	TO15	
Dichlorodifluoromethane	0.720	*0.202*	3.56	*1.00*	10/06/14	KCA	TO15	
Ethanol	25.9	*0.531*	48.8	*1.00*	10/06/14	KCA	TO15	1
Ethyl acetate	ND	*0.278*	ND	*1.00*	10/06/14	KCA	TO15	1
Ethylbenzene	3.79	*0.230*	16.4	*1.00*	10/06/14	KCA	TO15	
Heptane	22.7	*0.244*	93.0	*1.00*	10/06/14	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	10/06/14	KCA	TO15	
Hexane	50.5	*0.284*	178	*1.00*	10/06/14	KCA	TO15	
Isopropylalcohol	1.64	*0.407*	4.03	*1.00*	10/06/14	KCA	TO15	
Isopropylbenzene	0.240	*0.204*	1.18	*1.00*	10/06/14	KCA	TO15	
m,p-Xylene	11.8	*0.230*	51.2	*1.00*	10/06/14	KCA	TO15	
Methyl Ethyl Ketone	4.78	*0.339*	14.1	*1.00*	10/06/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	10/06/14	KCA	TO15	
Methylene Chloride	0.520	*0.288*	1.80	*1.00*	10/06/14	KCA	TO15	
n-Butylbenzene	0.250	*0.182*	1.37	*1.00*	10/06/14	KCA	TO15	1
o-Xylene	4.31	*0.230*	18.7	*1.00*	10/06/14	KCA	TO15	
Propylene	ND	*0.581*	ND	*1.00*	10/06/14	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	10/06/14	KCA	TO15	1
Styrene	0.660	*0.235*	2.81	*1.00*	10/06/14	KCA	TO15	
Tetrachloroethene	0.360	*0.037*	2.44	*0.25*	10/06/14	KCA	TO15	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	10/06/14	KCA	TO15	1
Toluene	23.7	*0.266*	89.2	*1.00*	10/06/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	10/06/14	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	10/06/14	KCA	TO15	
Trichloroethene	0.050	*0.047*	0.268	*0.25*	10/06/14	KCA	TO15	
Trichlorofluoromethane	14.9	*0.178*	83.7	*1.00*	10/06/14	KCA	TO15	
Trichlorotrifluoroethane	ND	*0.130*	ND	*1.00*	10/06/14	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	10/06/14	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	101	%	101	%	10/06/14	KCA	TO15	

Project ID: 26 WEST ST., BROOKLYN

Client ID: SG-5

Phoenix I.D.: BH22959

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

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

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

Comments:

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Phyllis Shiller, Laboratory Director

October 10, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

October 10, 2014

QA/QC Data

SDG I.D.: GBH22957

QA/QC Batch 288535, QC Sample No: BH22172 (BH22957, BH22958, BH22959)

Volatiles

Parameter	Blank ppbv	Blank ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
1,1,1,2-Tetrachloroethane	ND	ND	121						70 - 130	20
1,1,1-Trichloroethane	ND	ND	99						70 - 130	20
1,1,2,2-Tetrachloroethane	ND	ND	104						70 - 130	20
1,1,2-Trichloroethane	ND	ND	106						70 - 130	20
1,1-Dichloroethane	ND	ND	89						70 - 130	20
1,1-Dichloroethene	ND	ND	91						70 - 130	20
1,2,4-Trichlorobenzene	ND	ND	127						70 - 130	20
1,2,4-Trimethylbenzene	ND	ND	111						70 - 130	20
1,2-Dibromoethane(EDB)	ND	ND	104						70 - 130	20
1,2-Dichlorobenzene	ND	ND	123						70 - 130	20
1,2-Dichloroethane	ND	ND	95						70 - 130	20
1,2-dichloropropane	ND	ND	101						70 - 130	20
1,2-Dichlorotetrafluoroethane	ND	ND	106						70 - 130	20
1,3,5-Trimethylbenzene	ND	ND	108						70 - 130	20
1,3-Butadiene	ND	ND	87						70 - 130	20
1,3-Dichlorobenzene	ND	ND	121						70 - 130	20
1,4-Dichlorobenzene	ND	ND	123						70 - 130	20
1,4-Dioxane	ND	ND	100						70 - 130	20
2-Hexanone(MBK)	ND	ND	89						70 - 130	20
4-Ethyltoluene	ND	ND	107						70 - 130	20
4-Isopropyltoluene	ND	ND	110						70 - 130	20
4-Methyl-2-pentanone(MIBK)	ND	ND	92						70 - 130	20
Acetone	ND	ND	89						70 - 130	20
Acrylonitrile	ND	ND	90						70 - 130	20
Benzene	ND	ND	98						70 - 130	20
Benzyl chloride	ND	ND	135						70 - 130	20
Bromodichloromethane	ND	ND	107						70 - 130	20
Bromoform	ND	ND	138						70 - 130	20
Bromomethane	ND	ND	94						70 - 130	20
Carbon Disulfide	ND	ND	89						70 - 130	20
Carbon Tetrachloride	ND	ND	103						70 - 130	20
Chlorobenzene	ND	ND	104						70 - 130	20
Chloroethane	ND	ND	87						70 - 130	20
Chloroform	ND	ND	95						70 - 130	20
Chloromethane	ND	ND	85						70 - 130	20
Cis-1,2-Dichloroethene	ND	ND	94						70 - 130	20
cis-1,3-Dichloropropene	ND	ND	102						70 - 130	20
Cyclohexane	ND	ND	90						70 - 130	20
Dibromochloromethane	ND	ND	121						70 - 130	20
Dichlorodifluoromethane	ND	ND	98						70 - 130	20
Ethanol	ND	ND	83						70 - 130	20

QA/QC Data

SDG I.D.: GBH22957

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	92						70 - 130	20
Ethylbenzene	ND	ND	103						70 - 130	20
Heptane	ND	ND	88						70 - 130	20
Hexachlorobutadiene	ND	ND	102						70 - 130	20
Hexane	ND	ND	89						70 - 130	20
Isopropylalcohol	ND	ND	90						70 - 130	20
Isopropylbenzene	ND	ND	108						70 - 130	20
m,p-Xylene	ND	ND	105						70 - 130	20
Methyl Ethyl Ketone	ND	ND	90						70 - 130	20
Methyl tert-butyl ether(MTBE)	ND	ND	98						70 - 130	20
Methylene Chloride	ND	ND	79						70 - 130	20
n-Butylbenzene	ND	ND	119						70 - 130	20
o-Xylene	ND	ND	101						70 - 130	20
Propylene	ND	ND	86						70 - 130	20
sec-Butylbenzene	ND	ND	107						70 - 130	20
Styrene	ND	ND	105						70 - 130	20
Tetrachloroethene	ND	ND	112						70 - 130	20
Tetrahydrofuran	ND	ND	95						70 - 130	20
Toluene	ND	ND	102						70 - 130	20
Trans-1,2-Dichloroethene	ND	ND	90						70 - 130	20
trans-1,3-Dichloropropene	ND	ND	102						70 - 130	20
Trichloroethene	ND	ND	102						70 - 130	20
Trichlorofluoromethane	ND	ND	96						70 - 130	20
Trichlorotrifluoroethane	ND	ND	98						70 - 130	20
Vinyl Chloride	ND	ND	87						70 - 130	20
% Bromofluorobenzene	107	107	97						70 - 130	20

Comment:

No duplicate could be reported for this Batch.

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 10, 2014

Sample Criteria Exceedences Report

GBH22957 - EBC

Criteria: None

State: NY

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

*** No Data to Display ***

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

PHOENIX Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD AIR ANALYSES

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-1102

Data Delivery:
☐ Fax #:
☐ Email: cgosik@ebcincny.com

Report to:	EBC	Invoice to:	EBC
Address:	1808 Middle Country Rd	Address:	Same
Project Mgr:	Ridge NY	P.O. #	
Phone #		Quote #	

Project Name: 26 West Street Brooklyn
Location:
State: NY
Sampled by: Sunny

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				Is Canister Returned Unused? Y/N
		LAB USE ONLY											MATRIX				ANALYSES					
22957	SG-6	226	6L		-3	5709		1237	1441	10-2-14	-29	-4		X				X				
22958	SG-7	13634	6L		-4	5349		1240	1421	10-2-14	-29	-6		X				X				
22959	SG-5	478	6L		-3	4990		1244	1442	10-2-14	-29	-6		X				X				

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	10/3	0830
[signature]	[signature]	10/3/14	1535

Criteria Requested:

Deliverable:
RCP ☐
MCP ☐

State where samples collected: NY

Data Format:
Excel ☒ Equis ☐
PDF ☒ Other: ☐
GISKey ☐

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

6L 2Hr

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

Signature: _____ Date: _____

PHOENIX
Environmental Laboratories, Inc.

Wednesday, May 28, 2014

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

Project ID: 26 WEST ST BROOKLYN
Sample ID#s: BG46447 - BG46454

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

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

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

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

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

Sincerely yours,

Phyllis Shiller
Laboratory Director

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

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

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

NY # 11301

SDG Comments

May 28, 2014

SDG I.D.: GBG46447

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

BG46447 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BG46448 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BG46449 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BG46450 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BG46451 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BG46452 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BG46453 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BG46454 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

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

NY # 11301

Analysis Report

May 28, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/19/14	7:00
Location Code:	EBC	Received by:	SW	05/20/14	15:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG46447
Phoenix ID: BG46447

Project ID: 26 WEST ST BROOKLYN
Client ID: B1 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.34	0.34	0.34	mg/Kg	05/22/14	LK	SW6010	
Aluminum	7320	34	6.8	mg/Kg	05/22/14	LK	SW6010	
Arsenic	5.3	0.7	0.68	mg/Kg	05/22/14	LK	SW6010	
Barium	60.1	0.7	0.34	mg/Kg	05/22/14	LK	SW6010	
Beryllium	0.35	0.27	0.14	mg/Kg	05/22/14	LK	SW6010	
Calcium	2590	3.4	3.1	mg/Kg	05/22/14	LK	SW6010	
Cadmium	< 0.34	0.34	0.14	mg/Kg	05/22/14	LK	SW6010	
Cobalt	6.51	0.34	0.34	mg/Kg	05/22/14	LK	SW6010	
Chromium	12.3	0.34	0.34	mg/Kg	05/22/14	LK	SW6010	
Copper	27.4	0.34	0.34	mg/kg	05/22/14	LK	SW6010	B
Iron	18100	34	34	mg/Kg	05/22/14	LK	SW6010	B
Mercury	< 0.09	0.09	0.06	mg/Kg	05/21/14	RS	SW-7471	
Potassium	892	68	26	mg/Kg	05/22/14	LK	SW6010	
Magnesium	2390	3.4	3.4	mg/Kg	05/22/14	LK	SW6010	
Manganese	250	3.4	3.4	mg/Kg	05/22/14	LK	SW6010	
Sodium	613	7	2.9	mg/Kg	05/22/14	LK	SW6010	
Nickel	14.0	0.34	0.34	mg/Kg	05/22/14	LK	SW6010	
Lead	254	6.8	3.4	mg/Kg	05/22/14	LK	SW6010	
Antimony	< 1.7	1.7	1.7	mg/Kg	05/22/14	LK	SW6010	
Selenium	< 1.4	1.4	1.1	mg/Kg	05/22/14	LK	SW6010	
Thallium	< 1.4	1.4	1.4	mg/Kg	05/22/14	LK	SW6010	
Vanadium	18.8	0.3	0.34	mg/Kg	05/22/14	LK	SW6010	
Zinc	172	6.8	3.4	mg/Kg	05/22/14	LK	SW6010	B
Percent Solid	88			%	05/20/14	X	E160.3	
Soil Extraction for PCB	Completed				05/20/14	NB	SW3545	
Soil Extraction for Pesticide	Completed				05/20/14	NB/V	SW3545	
Soil Extraction for SVOA	Completed				05/20/14	NJ/FV	SW3545	
Mercury Digestion	Completed				05/21/14	X/X	SW7471	

Project ID: 26 WEST ST BROOKLYN
Client ID: B1 0-2

Phoenix I.D.: BG46447

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				05/20/14	CB/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	38	38	ug/Kg	05/21/14	AW	SW 8082
PCB-1221	ND	38	38	ug/Kg	05/21/14	AW	SW 8082
PCB-1232	ND	38	38	ug/Kg	05/21/14	AW	SW 8082
PCB-1242	ND	38	38	ug/Kg	05/21/14	AW	SW 8082
PCB-1248	270	38	38	ug/Kg	05/21/14	AW	SW 8082
PCB-1254	ND	38	38	ug/Kg	05/21/14	AW	SW 8082
PCB-1260	ND	38	38	ug/Kg	05/21/14	AW	SW 8082
PCB-1262	ND	38	38	ug/Kg	05/21/14	AW	SW 8082
PCB-1268	ND	38	38	ug/Kg	05/21/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	118			%	05/21/14	AW	30 - 150 %
% TCMX	77			%	05/21/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	56	2.7	2.7	ug/Kg	05/22/14	CE	SW8081
4,4' -DDE	ND	2.7	2.7	ug/Kg	05/22/14	CE	SW8081
4,4' -DDT	ND	2.7	2.7	ug/Kg	05/22/14	CE	SW8081
a-BHC	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
a-Chlordane	ND	3.8	3.8	ug/Kg	05/22/14	CE	SW8081
Aldrin	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
b-BHC	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
Chlordane	ND	23	23	ug/Kg	05/22/14	CE	SW8081
d-BHC	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
Dieldrin	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
Endosulfan I	ND	3.8	3.8	ug/Kg	05/22/14	CE	SW8081
Endosulfan II	ND	3.8	3.8	ug/Kg	05/22/14	CE	SW8081
Endosulfan sulfate	ND	3.8	3.8	ug/Kg	05/22/14	CE	SW8081
Endrin	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
Endrin aldehyde	ND	3.8	3.8	ug/Kg	05/22/14	CE	SW8081
Endrin ketone	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
g-BHC	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
g-Chlordane	ND	3.8	3.8	ug/Kg	05/22/14	CE	SW8081
Heptachlor	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
Heptachlor epoxide	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
Methoxychlor	ND	7.6	7.6	ug/Kg	05/22/14	CE	SW8081
Toxaphene	ND	190	190	ug/Kg	05/22/14	CE	SW8081
QA/QC Surrogates							
% DCBP	132			%	05/22/14	CE	30 - 150 %
% TCMX	113			%	05/22/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.7	0.93	ug/Kg	05/20/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.7	0.81	ug/Kg	05/20/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.7	0.56	ug/Kg	05/20/14	JLI	SW8260
1,1-Dichloroethane	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260
1,1-Dichloroethene	ND	5.7	1.2	ug/Kg	05/20/14	JLI	SW8260

Project ID: 26 WEST ST BROOKLYN
Client ID: B1 0-2

Phoenix I.D.: BG46447

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	280	57	ug/Kg	05/21/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	280	40	ug/Kg	05/21/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	280	57	ug/Kg	05/21/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	280	41	ug/Kg	05/21/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	280	76	ug/Kg	05/21/14	JLI	SW8260	
1,2-Dibromoethane	ND	5.7	1.5	ug/Kg	05/20/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	280	31	ug/Kg	05/21/14	JLI	SW8260	
1,2-Dichloroethane	ND	5.7	0.50	ug/Kg	05/20/14	JLI	SW8260	
1,2-Dichloropropane	ND	5.7	0.81	ug/Kg	05/20/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	280	38	ug/Kg	05/21/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	280	42	ug/Kg	05/21/14	JLI	SW8260	
1,3-Dichloropropane	ND	5.7	0.60	ug/Kg	05/20/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	280	45	ug/Kg	05/21/14	JLI	SW8260	
2,2-Dichloropropane	ND	5.7	0.95	ug/Kg	05/20/14	JLI	SW8260	
2-Chlorotoluene	ND	280	45	ug/Kg	05/21/14	JLI	SW8260	
2-Hexanone	ND	28	2.6	ug/Kg	05/20/14	JLI	SW8260	
2-Isopropyltoluene	ND	280	39	ug/Kg	05/21/14	JLI	SW8260	1
4-Chlorotoluene	ND	280	33	ug/Kg	05/21/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	28	1.4	ug/Kg	05/20/14	JLI	SW8260	
Acetone	ND	50	5.6	ug/Kg	05/20/14	JLI	SW8260	
Acrylonitrile	ND	11	3.2	ug/Kg	05/20/14	JLI	SW8260	
Benzene	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260	
Bromobenzene	ND	280	37	ug/Kg	05/21/14	JLI	SW8260	
Bromochloromethane	ND	5.7	0.83	ug/Kg	05/20/14	JLI	SW8260	
Bromodichloromethane	ND	5.7	0.70	ug/Kg	05/20/14	JLI	SW8260	
Bromoform	ND	5.7	0.80	ug/Kg	05/20/14	JLI	SW8260	
Bromomethane	ND	5.7	4.4	ug/Kg	05/20/14	JLI	SW8260	
Carbon Disulfide	ND	5.7	0.92	ug/Kg	05/20/14	JLI	SW8260	
Carbon tetrachloride	ND	5.7	0.66	ug/Kg	05/20/14	JLI	SW8260	
Chlorobenzene	ND	5.7	0.84	ug/Kg	05/20/14	JLI	SW8260	
Chloroethane	ND	5.7	1.3	ug/Kg	05/20/14	JLI	SW8260	
Chloroform	ND	5.7	1.0	ug/Kg	05/20/14	JLI	SW8260	
Chloromethane	ND	5.7	3.0	ug/Kg	05/20/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	5.7	1.2	ug/Kg	05/20/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	5.7	0.61	ug/Kg	05/20/14	JLI	SW8260	
Dibromochloromethane	ND	5.7	0.64	ug/Kg	05/20/14	JLI	SW8260	
Dibromomethane	ND	5.7	0.72	ug/Kg	05/20/14	JLI	SW8260	
Dichlorodifluoromethane	ND	5.7	1.5	ug/Kg	05/20/14	JLI	SW8260	
Ethylbenzene	ND	5.7	1.0	ug/Kg	05/20/14	JLI	SW8260	
Hexachlorobutadiene	ND	280	60	ug/Kg	05/21/14	JLI	SW8260	
Isopropylbenzene	ND	280	55	ug/Kg	05/21/14	JLI	SW8260	
m&p-Xylene	ND	5.7	2.2	ug/Kg	05/20/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	34	4.9	ug/Kg	05/20/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	1.6	ug/Kg	05/20/14	JLI	SW8260	
Methylene chloride	ND	5.7	0.93	ug/Kg	05/20/14	JLI	SW8260	
Naphthalene	ND	280	76	ug/Kg	05/21/14	JLI	SW8260	
n-Butylbenzene	ND	280	52	ug/Kg	05/21/14	JLI	SW8260	
n-Propylbenzene	ND	280	51	ug/Kg	05/21/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.7	2.2	ug/Kg	05/20/14	JLI	SW8260	
p-Isopropyltoluene	ND	280	41	ug/Kg	05/21/14	JLI	SW8260	
sec-Butylbenzene	ND	280	53	ug/Kg	05/21/14	JLI	SW8260	
Styrene	ND	5.7	1.6	ug/Kg	05/20/14	JLI	SW8260	
tert-Butylbenzene	ND	280	45	ug/Kg	05/21/14	JLI	SW8260	
Tetrachloroethene	ND	5.7	1.2	ug/Kg	05/20/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11	5.1	ug/Kg	05/20/14	JLI	SW8260	1
Toluene	ND	5.7	0.90	ug/Kg	05/20/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.7	1.2	ug/Kg	05/20/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	570	530	ug/Kg	05/21/14	JLI	SW8260	
Trichloroethene	ND	5.7	1.2	ug/Kg	05/20/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.7	1.3	ug/Kg	05/20/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.7	0.89	ug/Kg	05/20/14	JLI	SW8260	
Vinyl chloride	ND	5.7	1.8	ug/Kg	05/20/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	05/21/14	JLI	70 - 130 %	
% Bromofluorobenzene	100			%	05/21/14	JLI	70 - 130 %	
% Dibromofluoromethane	104			%	05/20/14	JLI	70 - 130 %	
% Toluene-d8	89			%	05/20/14	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	1300	670	ug/Kg	05/21/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	1300	570	ug/Kg	05/21/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	1300	530	ug/Kg	05/21/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	1300	620	ug/Kg	05/21/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	1300	560	ug/Kg	05/21/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	1300	560	ug/Kg	05/21/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	1300	1000	ug/Kg	05/21/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	1300	610	ug/Kg	05/21/14	DD	SW 8270	
2,4-Dichlorophenol	ND	1300	670	ug/Kg	05/21/14	DD	SW 8270	
2,4-Dimethylphenol	ND	1300	470	ug/Kg	05/21/14	DD	SW 8270	
2,4-Dinitrophenol	ND	9500	1300	ug/Kg	05/21/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	1300	750	ug/Kg	05/21/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	1300	600	ug/Kg	05/21/14	DD	SW 8270	
2-Chloronaphthalene	ND	1300	540	ug/Kg	05/21/14	DD	SW 8270	
2-Chlorophenol	ND	1300	540	ug/Kg	05/21/14	DD	SW 8270	
2-Methylnaphthalene	ND	1300	560	ug/Kg	05/21/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	1300	890	ug/Kg	05/21/14	DD	SW 8270	
2-Nitroaniline	ND	9500	1900	ug/Kg	05/21/14	DD	SW 8270	
2-Nitrophenol	ND	1300	1200	ug/Kg	05/21/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	1300	750	ug/Kg	05/21/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	3800	890	ug/Kg	05/21/14	DD	SW 8270	
3-Nitroaniline	ND	9500	4100	ug/Kg	05/21/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	9500	2000	ug/Kg	05/21/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	1300	560	ug/Kg	05/21/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	1300	670	ug/Kg	05/21/14	DD	SW 8270	
4-Chloroaniline	ND	3800	880	ug/Kg	05/21/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	1300	640	ug/Kg	05/21/14	DD	SW 8270	
4-Nitroaniline	ND	9500	630	ug/Kg	05/21/14	DD	SW 8270	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	9500	850	ug/Kg	05/21/14	DD	SW 8270	
Acenaphthene	ND	1300	570	ug/Kg	05/21/14	DD	SW 8270	
Acenaphthylene	ND	1300	530	ug/Kg	05/21/14	DD	SW 8270	
Acetophenone	ND	1300	590	ug/Kg	05/21/14	DD	SW 8270	
Aniline	ND	9500	3800	ug/Kg	05/21/14	DD	SW 8270	
Anthracene	1800	1300	620	ug/Kg	05/21/14	DD	SW 8270	
Benz(a)anthracene	4500	1300	640	ug/Kg	05/21/14	DD	SW 8270	
Benzidine	ND	3800	1100	ug/Kg	05/21/14	DD	SW 8270	
Benzo(a)pyrene	3900	1300	620	ug/Kg	05/21/14	DD	SW 8270	
Benzo(b)fluoranthene	5800	1300	650	ug/Kg	05/21/14	DD	SW 8270	
Benzo(ghi)perylene	2600	1300	610	ug/Kg	05/21/14	DD	SW 8270	
Benzo(k)fluoranthene	1600	1300	630	ug/Kg	05/21/14	DD	SW 8270	
Benzoic acid	ND	9500	3800	ug/Kg	05/21/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	1300	490	ug/Kg	05/21/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	1300	520	ug/Kg	05/21/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	1300	510	ug/Kg	05/21/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	1300	530	ug/Kg	05/21/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	1300	540	ug/Kg	05/21/14	DD	SW 8270	
Carbazole	ND	9500	1400	ug/Kg	05/21/14	DD	SW 8270	
Chrysene	4900	1300	640	ug/Kg	05/21/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	1300	610	ug/Kg	05/21/14	DD	SW 8270	
Dibenzofuran	ND	1300	550	ug/Kg	05/21/14	DD	SW 8270	
Diethyl phthalate	ND	1300	600	ug/Kg	05/21/14	DD	SW 8270	
Dimethylphthalate	ND	1300	590	ug/Kg	05/21/14	DD	SW 8270	
Di-n-butylphthalate	ND	1300	500	ug/Kg	05/21/14	DD	SW 8270	
Di-n-octylphthalate	ND	1300	490	ug/Kg	05/21/14	DD	SW 8270	
Fluoranthene	13000	1300	610	ug/Kg	05/21/14	DD	SW 8270	
Fluorene	ND	1300	620	ug/Kg	05/21/14	DD	SW 8270	
Hexachlorobenzene	ND	1300	550	ug/Kg	05/21/14	DD	SW 8270	
Hexachlorobutadiene	ND	1300	680	ug/Kg	05/21/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	1300	580	ug/Kg	05/21/14	DD	SW 8270	
Hexachloroethane	ND	1300	570	ug/Kg	05/21/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	2200	1300	630	ug/Kg	05/21/14	DD	SW 8270	
Isophorone	ND	1300	530	ug/Kg	05/21/14	DD	SW 8270	
Naphthalene	ND	1300	540	ug/Kg	05/21/14	DD	SW 8270	
Nitrobenzene	ND	1300	660	ug/Kg	05/21/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	1300	530	ug/Kg	05/21/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	1300	610	ug/Kg	05/21/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	1300	730	ug/Kg	05/21/14	DD	SW 8270	
Pentachloronitrobenzene	ND	1300	700	ug/Kg	05/21/14	DD	SW 8270	
Pentachlorophenol	ND	1300	710	ug/Kg	05/21/14	DD	SW 8270	
Phenanthrene	6600	1300	540	ug/Kg	05/21/14	DD	SW 8270	
Phenol	ND	1300	610	ug/Kg	05/21/14	DD	SW 8270	
Pyrene	12000	1300	650	ug/Kg	05/21/14	DD	SW 8270	
Pyridine	ND	1300	470	ug/Kg	05/21/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	121			%	05/21/14	DD	30 - 130 %	
% 2-Fluorobiphenyl	94			%	05/21/14	DD	30 - 130 %	
% 2-Fluorophenol	94			%	05/21/14	DD	30 - 130 %	

Project ID: 26 WEST ST BROOKLYN
Client ID: B1 0-2

Phoenix I.D.: BG46447

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
% Nitrobenzene-d5	91			%	05/21/14	DD	30 - 130 %	
% Phenol-d5	98			%	05/21/14	DD	30 - 130 %	
% Terphenyl-d14	139			%	05/21/14	DD	30 - 130 %	3

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.
B = Present in blank, no bias suspected.

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

Comments:

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

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

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

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

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
May 28, 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

NY # 11301

Analysis Report

May 28, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/19/14	7:20
Location Code:	EBC	Received by:	SW	05/20/14	15:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG46447
Phoenix ID: BG46448

Project ID: 26 WEST ST BROOKLYN
Client ID: B1 10-12

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.34	0.34	0.34	mg/Kg	05/22/14	LK	SW6010	
Aluminum	7020	34	6.8	mg/Kg	05/22/14	LK	SW6010	
Arsenic	2.9	0.7	0.68	mg/Kg	05/22/14	LK	SW6010	
Barium	37.9	0.7	0.34	mg/Kg	05/22/14	LK	SW6010	
Beryllium	0.38	0.27	0.14	mg/Kg	05/22/14	LK	SW6010	
Calcium	1010	3.4	3.1	mg/Kg	05/22/14	LK	SW6010	
Cadmium	< 0.34	0.34	0.14	mg/Kg	05/22/14	LK	SW6010	
Cobalt	6.06	0.34	0.34	mg/Kg	05/22/14	LK	SW6010	
Chromium	13.8	0.34	0.34	mg/Kg	05/22/14	LK	SW6010	
Copper	11.5	0.34	0.34	mg/kg	05/22/14	LK	SW6010	B
Iron	20000	34	34	mg/Kg	05/22/14	LK	SW6010	B
Mercury	< 0.06	0.06	0.04	mg/Kg	05/21/14	RS	SW-7471	
Potassium	1350	68	27	mg/Kg	05/22/14	LK	SW6010	
Magnesium	2030	3.4	3.4	mg/Kg	05/22/14	LK	SW6010	
Manganese	507	3.4	3.4	mg/Kg	05/22/14	LK	SW6010	
Sodium	141	7	2.9	mg/Kg	05/22/14	LK	SW6010	
Nickel	12.4	0.34	0.34	mg/Kg	05/22/14	LK	SW6010	
Lead	4.9	0.7	0.34	mg/Kg	05/22/14	LK	SW6010	
Antimony	< 1.7	1.7	1.7	mg/Kg	05/22/14	LK	SW6010	
Selenium	< 1.4	1.4	1.2	mg/Kg	05/22/14	LK	SW6010	
Thallium	< 1.4	1.4	1.4	mg/Kg	05/22/14	LK	SW6010	
Vanadium	21.2	0.3	0.34	mg/Kg	05/22/14	LK	SW6010	
Zinc	24.4	0.7	0.34	mg/Kg	05/22/14	LK	SW6010	B
Percent Solid	87			%	05/20/14	X	E160.3	
Soil Extraction for PCB	Completed				05/20/14	NB	SW3545	
Soil Extraction for Pesticide	Completed				05/20/14	NB/V	SW3545	
Soil Extraction for SVOA	Completed				05/20/14	NJ/FV	SW3545	
Mercury Digestion	Completed				05/21/14	X/X	SW7471	

Project ID: 26 WEST ST BROOKLYN
Client ID: B1 10-12

Phoenix I.D.: BG46448

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				05/20/14	CB/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1221	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1232	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1242	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1248	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1254	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1260	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1262	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1268	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	87			%	05/21/14	AW	30 - 150 %
% TCMX	71			%	05/21/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.7	2.7	ug/Kg	05/22/14	CE	SW8081
4,4' -DDE	ND	2.7	2.7	ug/Kg	05/22/14	CE	SW8081
4,4' -DDT	ND	2.7	2.7	ug/Kg	05/22/14	CE	SW8081
a-BHC	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	05/22/14	CE	SW8081
Aldrin	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
b-BHC	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
Chlordane	ND	22	22	ug/Kg	05/22/14	CE	SW8081
d-BHC	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
Dieldrin	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
Endosulfan I	ND	3.7	3.7	ug/Kg	05/22/14	CE	SW8081
Endosulfan II	ND	3.7	3.7	ug/Kg	05/22/14	CE	SW8081
Endosulfan sulfate	ND	3.7	3.7	ug/Kg	05/22/14	CE	SW8081
Endrin	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
Endrin aldehyde	ND	3.7	3.7	ug/Kg	05/22/14	CE	SW8081
Endrin ketone	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
g-BHC	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	05/22/14	CE	SW8081
Heptachlor	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
Heptachlor epoxide	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
Methoxychlor	ND	7.5	7.5	ug/Kg	05/22/14	CE	SW8081
Toxaphene	ND	190	190	ug/Kg	05/22/14	CE	SW8081
QA/QC Surrogates							
% DCBP	87			%	05/22/14	CE	30 - 150 %
% TCMX	92			%	05/22/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.7	0.94	ug/Kg	05/20/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.7	0.82	ug/Kg	05/20/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.7	0.56	ug/Kg	05/20/14	JLI	SW8260
1,1-Dichloroethane	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260
1,1-Dichloroethene	ND	5.7	1.3	ug/Kg	05/20/14	JLI	SW8260

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Phoenix I.D.: BG46448

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	5.7	0.82	ug/Kg	05/20/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	5.7	0.83	ug/Kg	05/20/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.7	1.5	ug/Kg	05/20/14	JLI	SW8260	
1,2-Dibromoethane	ND	5.7	1.5	ug/Kg	05/20/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	5.7	0.63	ug/Kg	05/20/14	JLI	SW8260	
1,2-Dichloroethane	ND	5.7	0.51	ug/Kg	05/20/14	JLI	SW8260	
1,2-Dichloropropane	ND	5.7	0.82	ug/Kg	05/20/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	5.7	0.76	ug/Kg	05/20/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	5.7	0.85	ug/Kg	05/20/14	JLI	SW8260	
1,3-Dichloropropane	ND	5.7	0.61	ug/Kg	05/20/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	5.7	0.91	ug/Kg	05/20/14	JLI	SW8260	
2,2-Dichloropropane	ND	5.7	0.97	ug/Kg	05/20/14	JLI	SW8260	
2-Chlorotoluene	ND	5.7	0.92	ug/Kg	05/20/14	JLI	SW8260	
2-Hexanone	ND	29	2.6	ug/Kg	05/20/14	JLI	SW8260	
2-Isopropyltoluene	ND	5.7	0.79	ug/Kg	05/20/14	JLI	SW8260	1
4-Chlorotoluene	ND	5.7	0.67	ug/Kg	05/20/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	29	1.4	ug/Kg	05/20/14	JLI	SW8260	
Acetone	ND	50	5.7	ug/Kg	05/20/14	JLI	SW8260	
Acrylonitrile	ND	11	3.2	ug/Kg	05/20/14	JLI	SW8260	
Benzene	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260	
Bromobenzene	ND	5.7	0.75	ug/Kg	05/20/14	JLI	SW8260	
Bromochloromethane	ND	5.7	0.84	ug/Kg	05/20/14	JLI	SW8260	
Bromodichloromethane	ND	5.7	0.71	ug/Kg	05/20/14	JLI	SW8260	
Bromoform	ND	5.7	0.80	ug/Kg	05/20/14	JLI	SW8260	
Bromomethane	ND	5.7	4.4	ug/Kg	05/20/14	JLI	SW8260	
Carbon Disulfide	ND	5.7	0.93	ug/Kg	05/20/14	JLI	SW8260	
Carbon tetrachloride	ND	5.7	0.67	ug/Kg	05/20/14	JLI	SW8260	
Chlorobenzene	ND	5.7	0.85	ug/Kg	05/20/14	JLI	SW8260	
Chloroethane	ND	5.7	1.3	ug/Kg	05/20/14	JLI	SW8260	
Chloroform	ND	5.7	1.0	ug/Kg	05/20/14	JLI	SW8260	
Chloromethane	ND	5.7	3.0	ug/Kg	05/20/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	5.7	1.3	ug/Kg	05/20/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	5.7	0.62	ug/Kg	05/20/14	JLI	SW8260	
Dibromochloromethane	ND	5.7	0.64	ug/Kg	05/20/14	JLI	SW8260	
Dibromomethane	ND	5.7	0.72	ug/Kg	05/20/14	JLI	SW8260	
Dichlorodifluoromethane	ND	5.7	1.5	ug/Kg	05/20/14	JLI	SW8260	
Ethylbenzene	ND	5.7	1.0	ug/Kg	05/20/14	JLI	SW8260	
Hexachlorobutadiene	ND	5.7	1.2	ug/Kg	05/20/14	JLI	SW8260	
Isopropylbenzene	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260	
m&p-Xylene	ND	5.7	2.3	ug/Kg	05/20/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	34	5.0	ug/Kg	05/20/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	1.6	ug/Kg	05/20/14	JLI	SW8260	
Methylene chloride	ND	5.7	0.94	ug/Kg	05/20/14	JLI	SW8260	
Naphthalene	ND	5.7	1.5	ug/Kg	05/20/14	JLI	SW8260	
n-Butylbenzene	ND	5.7	1.0	ug/Kg	05/20/14	JLI	SW8260	
n-Propylbenzene	ND	5.7	1.0	ug/Kg	05/20/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.7	2.2	ug/Kg	05/20/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.7	0.83	ug/Kg	05/20/14	JLI	SW8260	
sec-Butylbenzene	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260	
Styrene	ND	5.7	1.7	ug/Kg	05/20/14	JLI	SW8260	
tert-Butylbenzene	ND	5.7	0.92	ug/Kg	05/20/14	JLI	SW8260	
Tetrachloroethene	ND	5.7	1.2	ug/Kg	05/20/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11	5.2	ug/Kg	05/20/14	JLI	SW8260	1
Toluene	ND	5.7	0.91	ug/Kg	05/20/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.7	1.2	ug/Kg	05/20/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	11	11	ug/Kg	05/20/14	JLI	SW8260	
Trichloroethene	ND	5.7	1.2	ug/Kg	05/20/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.7	1.3	ug/Kg	05/20/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.7	0.90	ug/Kg	05/20/14	JLI	SW8260	
Vinyl chloride	ND	5.7	1.9	ug/Kg	05/20/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	05/20/14	JLI	70 - 130 %	
% Bromofluorobenzene	97			%	05/20/14	JLI	70 - 130 %	
% Dibromofluoromethane	95			%	05/20/14	JLI	70 - 130 %	
% Toluene-d8	98			%	05/20/14	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	260	210	ug/Kg	05/21/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
2,4-Dichlorophenol	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
2,4-Dimethylphenol	ND	260	93	ug/Kg	05/21/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1900	260	ug/Kg	05/21/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	260	150	ug/Kg	05/21/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
2-Chloronaphthalene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
2-Chlorophenol	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
2-Methylnaphthalene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	260	180	ug/Kg	05/21/14	DD	SW 8270	
2-Nitroaniline	ND	1900	380	ug/Kg	05/21/14	DD	SW 8270	
2-Nitrophenol	ND	260	240	ug/Kg	05/21/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	05/21/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	750	180	ug/Kg	05/21/14	DD	SW 8270	
3-Nitroaniline	ND	1900	820	ug/Kg	05/21/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1900	410	ug/Kg	05/21/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
4-Chloroaniline	ND	750	180	ug/Kg	05/21/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
4-Nitroaniline	ND	1900	130	ug/Kg	05/21/14	DD	SW 8270	

Project ID: 26 WEST ST BROOKLYN
Client ID: B1 10-12

Phoenix I.D.: BG46448

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1900	170	ug/Kg	05/21/14	DD	SW 8270	
Acenaphthene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Acenaphthylene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Acetophenone	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Aniline	ND	1900	760	ug/Kg	05/21/14	DD	SW 8270	
Anthracene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Benz(a)anthracene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
Benzidine	ND	750	220	ug/Kg	05/21/14	DD	SW 8270	
Benzo(a)pyrene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
Benzo(ghi)perylene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
Benzoic acid	ND	1900	750	ug/Kg	05/21/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	260	97	ug/Kg	05/21/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	05/21/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	260	100	ug/Kg	05/21/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	05/21/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Carbazole	ND	1900	290	ug/Kg	05/21/14	DD	SW 8270	
Chrysene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Dibenzofuran	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Diethyl phthalate	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Dimethylphthalate	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Di-n-butylphthalate	ND	260	100	ug/Kg	05/21/14	DD	SW 8270	
Di-n-octylphthalate	ND	260	97	ug/Kg	05/21/14	DD	SW 8270	
Fluoranthene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Fluorene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Hexachlorobenzene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Hexachlorobutadiene	ND	260	140	ug/Kg	05/21/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Hexachloroethane	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
Isophorone	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Naphthalene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Nitrobenzene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	05/21/14	DD	SW 8270	
Pentachloronitrobenzene	ND	260	140	ug/Kg	05/21/14	DD	SW 8270	
Pentachlorophenol	ND	260	140	ug/Kg	05/21/14	DD	SW 8270	
Phenanthrene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Phenol	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Pyrene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
Pyridine	ND	260	93	ug/Kg	05/21/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	93			%	05/21/14	DD	30 - 130 %	
% 2-Fluorobiphenyl	82			%	05/21/14	DD	30 - 130 %	
% 2-Fluorophenol	86			%	05/21/14	DD	30 - 130 %	

Project ID: 26 WEST ST BROOKLYN
Client ID: B1 10-12

Phoenix I.D.: BG46448

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	60			%	05/21/14	DD	30 - 130 %
% Phenol-d5	87			%	05/21/14	DD	30 - 130 %
% Terphenyl-d14	104			%	05/21/14	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 28, 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

NY # 11301

Analysis Report

May 28, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/19/14	7:40
Location Code:	EBC	Received by:	SW	05/20/14	15:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG46447
Phoenix ID: BG46449

Project ID: 26 WEST ST BROOKLYN
Client ID: B2 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.36	0.36	0.36	mg/Kg	05/22/14	LK	SW6010	
Aluminum	4960	36	7.2	mg/Kg	05/22/14	LK	SW6010	
Arsenic	12.8	0.7	0.72	mg/Kg	05/22/14	LK	SW6010	
Barium	129	0.7	0.36	mg/Kg	05/22/14	LK	SW6010	
Beryllium	0.34	0.29	0.14	mg/Kg	05/22/14	LK	SW6010	
Calcium	32600	36	33	mg/Kg	05/22/14	LK	SW6010	
Cadmium	0.56	0.36	0.14	mg/Kg	05/22/14	LK	SW6010	
Cobalt	4.28	0.36	0.36	mg/Kg	05/22/14	LK	SW6010	
Chromium	11.4	0.36	0.36	mg/Kg	05/22/14	LK	SW6010	
Copper	52.4	0.36	0.36	mg/kg	05/22/14	LK	SW6010	B
Iron	15000	36	36	mg/Kg	05/22/14	LK	SW6010	B
Mercury	1.08	0.08	0.05	mg/Kg	05/21/14	RS	SW-7471	
Potassium	770	72	28	mg/Kg	05/22/14	LK	SW6010	
Magnesium	3820	3.6	3.6	mg/Kg	05/22/14	LK	SW6010	
Manganese	228	3.6	3.6	mg/Kg	05/22/14	LK	SW6010	
Sodium	157	7	3.1	mg/Kg	05/22/14	LK	SW6010	
Nickel	10.8	0.36	0.36	mg/Kg	05/22/14	LK	SW6010	
Lead	801	7.2	3.6	mg/Kg	05/22/14	LK	SW6010	
Antimony	< 1.8	1.8	1.8	mg/Kg	05/22/14	LK	SW6010	
Selenium	< 1.4	1.4	1.2	mg/Kg	05/22/14	LK	SW6010	
Thallium	< 1.4	1.4	1.4	mg/Kg	05/22/14	LK	SW6010	
Vanadium	18.4	0.4	0.36	mg/Kg	05/22/14	LK	SW6010	
Zinc	272	7.2	3.6	mg/Kg	05/22/14	LK	SW6010	B
Percent Solid	88			%	05/20/14	X	E160.3	
Soil Extraction for PCB	Completed				05/20/14	NB	SW3545	
Soil Extraction for Pesticide	Completed				05/20/14	NB/V	SW3545	
Soil Extraction for SVOA	Completed				05/20/14	NJ/FV	SW3545	
Mercury Digestion	Completed				05/21/14	X/X	SW7471	

Project ID: 26 WEST ST BROOKLYN
Client ID: B2 0-2

Phoenix I.D.: BG46449

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				05/20/14	CB/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1221	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1232	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1242	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1248	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1254	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1260	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1262	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1268	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	93			%	05/21/14	AW	30 - 150 %
% TCMX	63			%	05/21/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.6	2.6	ug/Kg	05/22/14	CE	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	05/22/14	CE	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	05/22/14	CE	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	05/22/14	CE	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	05/22/14	CE	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	05/22/14	CE	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	05/22/14	CE	SW8081
Chlordane	ND	22	22	ug/Kg	05/22/14	CE	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	05/22/14	CE	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	05/22/14	CE	SW8081
Endosulfan I	ND	3.7	3.7	ug/Kg	05/22/14	CE	SW8081
Endosulfan II	ND	3.7	3.7	ug/Kg	05/22/14	CE	SW8081
Endosulfan sulfate	ND	3.7	3.7	ug/Kg	05/22/14	CE	SW8081
Endrin	ND	1.8	1.8	ug/Kg	05/22/14	CE	SW8081
Endrin aldehyde	ND	3.7	3.7	ug/Kg	05/22/14	CE	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	05/22/14	CE	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	05/22/14	CE	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	05/22/14	CE	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	05/22/14	CE	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	05/22/14	CE	SW8081
Methoxychlor	ND	7.4	7.4	ug/Kg	05/22/14	CE	SW8081
Toxaphene	ND	180	180	ug/Kg	05/22/14	CE	SW8081
QA/QC Surrogates							
% DCBP	109			%	05/22/14	CE	30 - 150 %
% TCMX	90			%	05/22/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.7	0.93	ug/Kg	05/22/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.7	1.1	ug/Kg	05/22/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.7	0.81	ug/Kg	05/22/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.7	0.56	ug/Kg	05/22/14	JLI	SW8260
1,1-Dichloroethane	ND	5.7	1.1	ug/Kg	05/22/14	JLI	SW8260
1,1-Dichloroethene	ND	5.7	1.2	ug/Kg	05/22/14	JLI	SW8260

Project ID: 26 WEST ST BROOKLYN
Client ID: B2 0-2

Phoenix I.D.: BG46449

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND	5.7	1.1	ug/Kg	05/22/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	280	57	ug/Kg	05/21/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	280	40	ug/Kg	05/21/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	280	57	ug/Kg	05/21/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	280	41	ug/Kg	05/21/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	280	76	ug/Kg	05/21/14	JLI	SW8260	
1,2-Dibromoethane	ND	5.7	1.5	ug/Kg	05/22/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	280	31	ug/Kg	05/21/14	JLI	SW8260	
1,2-Dichloroethane	ND	5.7	0.50	ug/Kg	05/22/14	JLI	SW8260	
1,2-Dichloropropane	ND	5.7	0.81	ug/Kg	05/22/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	280	38	ug/Kg	05/21/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	280	42	ug/Kg	05/21/14	JLI	SW8260	
1,3-Dichloropropane	ND	5.7	0.60	ug/Kg	05/22/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	280	45	ug/Kg	05/21/14	JLI	SW8260	
2,2-Dichloropropane	ND	5.7	0.95	ug/Kg	05/22/14	JLI	SW8260	
2-Chlorotoluene	ND	280	45	ug/Kg	05/21/14	JLI	SW8260	
2-Hexanone	ND	28	2.6	ug/Kg	05/22/14	JLI	SW8260	
2-Isopropyltoluene	ND	280	39	ug/Kg	05/21/14	JLI	SW8260	1
4-Chlorotoluene	ND	280	33	ug/Kg	05/21/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	28	1.4	ug/Kg	05/22/14	JLI	SW8260	
Acetone	ND	50	5.6	ug/Kg	05/22/14	JLI	SW8260	
Acrylonitrile	ND	11	3.2	ug/Kg	05/22/14	JLI	SW8260	
Benzene	ND	5.7	1.1	ug/Kg	05/22/14	JLI	SW8260	
Bromobenzene	ND	280	37	ug/Kg	05/21/14	JLI	SW8260	
Bromochloromethane	ND	5.7	0.83	ug/Kg	05/22/14	JLI	SW8260	
Bromodichloromethane	ND	5.7	0.70	ug/Kg	05/22/14	JLI	SW8260	
Bromoform	ND	5.7	0.80	ug/Kg	05/22/14	JLI	SW8260	
Bromomethane	ND	5.7	4.4	ug/Kg	05/22/14	JLI	SW8260	
Carbon Disulfide	ND	5.7	0.92	ug/Kg	05/22/14	JLI	SW8260	
Carbon tetrachloride	ND	5.7	0.66	ug/Kg	05/22/14	JLI	SW8260	
Chlorobenzene	ND	5.7	0.84	ug/Kg	05/22/14	JLI	SW8260	
Chloroethane	ND	5.7	1.3	ug/Kg	05/22/14	JLI	SW8260	
Chloroform	ND	5.7	1.0	ug/Kg	05/22/14	JLI	SW8260	
Chloromethane	ND	5.7	3.0	ug/Kg	05/22/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	5.7	1.2	ug/Kg	05/22/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	5.7	0.61	ug/Kg	05/22/14	JLI	SW8260	
Dibromochloromethane	ND	5.7	0.64	ug/Kg	05/22/14	JLI	SW8260	
Dibromomethane	ND	5.7	0.72	ug/Kg	05/22/14	JLI	SW8260	
Dichlorodifluoromethane	ND	5.7	1.5	ug/Kg	05/22/14	JLI	SW8260	
Ethylbenzene	ND	5.7	1.0	ug/Kg	05/22/14	JLI	SW8260	
Hexachlorobutadiene	ND	280	60	ug/Kg	05/21/14	JLI	SW8260	
Isopropylbenzene	ND	280	55	ug/Kg	05/21/14	JLI	SW8260	
m&p-Xylene	ND	5.7	2.2	ug/Kg	05/22/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	34	4.9	ug/Kg	05/22/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	1.6	ug/Kg	05/22/14	JLI	SW8260	
Methylene chloride	ND	5.7	0.93	ug/Kg	05/22/14	JLI	SW8260	
Naphthalene	ND	280	76	ug/Kg	05/21/14	JLI	SW8260	
n-Butylbenzene	ND	280	52	ug/Kg	05/21/14	JLI	SW8260	
n-Propylbenzene	ND	280	51	ug/Kg	05/21/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.7	2.2	ug/Kg	05/22/14	JLI	SW8260	
p-Isopropyltoluene	ND	280	41	ug/Kg	05/21/14	JLI	SW8260	
sec-Butylbenzene	ND	280	53	ug/Kg	05/21/14	JLI	SW8260	
Styrene	ND	5.7	1.6	ug/Kg	05/22/14	JLI	SW8260	
tert-Butylbenzene	ND	280	45	ug/Kg	05/21/14	JLI	SW8260	
Tetrachloroethene	ND	5.7	1.2	ug/Kg	05/22/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11	5.1	ug/Kg	05/22/14	JLI	SW8260	1
Toluene	ND	5.7	0.90	ug/Kg	05/22/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.7	1.1	ug/Kg	05/22/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.7	1.2	ug/Kg	05/22/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	570	530	ug/Kg	05/21/14	JLI	SW8260	
Trichloroethene	ND	5.7	1.2	ug/Kg	05/22/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.7	1.3	ug/Kg	05/22/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.7	0.89	ug/Kg	05/22/14	JLI	SW8260	
Vinyl chloride	ND	5.7	1.8	ug/Kg	05/22/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	05/21/14	JLI	70 - 130 %	
% Bromofluorobenzene	99			%	05/21/14	JLI	70 - 130 %	
% Dibromofluoromethane	107			%	05/22/14	JLI	70 - 130 %	
% Toluene-d8	95			%	05/22/14	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	260	210	ug/Kg	05/21/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
2,4-Dichlorophenol	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
2,4-Dimethylphenol	ND	260	93	ug/Kg	05/21/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1900	260	ug/Kg	05/21/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	260	150	ug/Kg	05/21/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
2-Chloronaphthalene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
2-Chlorophenol	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
2-Methylnaphthalene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	260	180	ug/Kg	05/21/14	DD	SW 8270	
2-Nitroaniline	ND	1900	380	ug/Kg	05/21/14	DD	SW 8270	
2-Nitrophenol	ND	260	240	ug/Kg	05/21/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	05/21/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	750	180	ug/Kg	05/21/14	DD	SW 8270	
3-Nitroaniline	ND	1900	820	ug/Kg	05/21/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1900	400	ug/Kg	05/21/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
4-Chloroaniline	ND	750	180	ug/Kg	05/21/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
4-Nitroaniline	ND	1900	130	ug/Kg	05/21/14	DD	SW 8270	

Project ID: 26 WEST ST BROOKLYN
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Phoenix I.D.: BG46449

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1900	170	ug/Kg	05/21/14	DD	SW 8270	
Acenaphthene	340	260	110	ug/Kg	05/21/14	DD	SW 8270	
Acenaphthylene	920	260	110	ug/Kg	05/21/14	DD	SW 8270	
Acetophenone	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Aniline	ND	1900	760	ug/Kg	05/21/14	DD	SW 8270	
Anthracene	1500	260	120	ug/Kg	05/21/14	DD	SW 8270	
Benz(a)anthracene	9100	1300	630	ug/Kg	05/21/14	DD	SW 8270	
Benzidine	ND	750	220	ug/Kg	05/21/14	DD	SW 8270	
Benzo(a)pyrene	9700	1300	610	ug/Kg	05/21/14	DD	SW 8270	
Benzo(b)fluoranthene	12000	1300	640	ug/Kg	05/21/14	DD	SW 8270	
Benzo(ghi)perylene	4500	260	120	ug/Kg	05/21/14	DD	SW 8270	
Benzo(k)fluoranthene	4300	1300	620	ug/Kg	05/21/14	DD	SW 8270	
Benzoic acid	ND	1900	750	ug/Kg	05/21/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	260	97	ug/Kg	05/21/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	05/21/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	260	100	ug/Kg	05/21/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	05/21/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Carbazole	ND	1900	290	ug/Kg	05/21/14	DD	SW 8270	
Chrysene	9100	1300	630	ug/Kg	05/21/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Dibenzofuran	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Diethyl phthalate	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Dimethylphthalate	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Di-n-butylphthalate	ND	260	100	ug/Kg	05/21/14	DD	SW 8270	
Di-n-octylphthalate	ND	260	97	ug/Kg	05/21/14	DD	SW 8270	
Fluoranthene	18000	1300	610	ug/Kg	05/21/14	DD	SW 8270	
Fluorene	290	260	120	ug/Kg	05/21/14	DD	SW 8270	
Hexachlorobenzene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Hexachlorobutadiene	ND	260	140	ug/Kg	05/21/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Hexachloroethane	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	4500	260	120	ug/Kg	05/21/14	DD	SW 8270	
Isophorone	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Naphthalene	340	260	110	ug/Kg	05/21/14	DD	SW 8270	
Nitrobenzene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	05/21/14	DD	SW 8270	
Pentachloronitrobenzene	ND	260	140	ug/Kg	05/21/14	DD	SW 8270	
Pentachlorophenol	ND	260	140	ug/Kg	05/21/14	DD	SW 8270	
Phenanthrene	4500	260	110	ug/Kg	05/21/14	DD	SW 8270	
Phenol	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Pyrene	18000	1300	650	ug/Kg	05/21/14	DD	SW 8270	
Pyridine	ND	260	93	ug/Kg	05/21/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	72			%	05/21/14	DD	30 - 130 %	
% 2-Fluorobiphenyl	82			%	05/21/14	DD	30 - 130 %	
% 2-Fluorophenol	73			%	05/21/14	DD	30 - 130 %	

Project ID: 26 WEST ST BROOKLYN
Client ID: B2 0-2

Phoenix I.D.: BG46449

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	67			%	05/21/14	DD	30 - 130 %
% Phenol-d5	81			%	05/21/14	DD	30 - 130 %
% Terphenyl-d14	92			%	05/21/14	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

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

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

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

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

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
May 28, 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

NY # 11301

Analysis Report

May 28, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/19/14	8:00
Location Code:	EBC	Received by:	SW	05/20/14	15:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG46447
Phoenix ID: BG46450

Project ID: 26 WEST ST BROOKLYN
Client ID: B2 10-12

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.36	0.36	0.36	mg/Kg	05/22/14	LK	SW6010	
Aluminum	9220	36	7.3	mg/Kg	05/22/14	LK	SW6010	
Arsenic	1.4	0.7	0.73	mg/Kg	05/22/14	LK	SW6010	
Barium	53.3	0.7	0.36	mg/Kg	05/22/14	LK	SW6010	
Beryllium	0.43	0.29	0.15	mg/Kg	05/22/14	LK	SW6010	
Calcium	968	3.6	3.4	mg/Kg	05/22/14	LK	SW6010	
Cadmium	< 0.36	0.36	0.15	mg/Kg	05/22/14	LK	SW6010	
Cobalt	6.61	0.36	0.36	mg/Kg	05/22/14	LK	SW6010	
Chromium	16.7	0.36	0.36	mg/Kg	05/22/14	LK	SW6010	
Copper	13.2	0.36	0.36	mg/kg	05/22/14	LK	SW6010	B
Iron	23100	36	36	mg/Kg	05/22/14	LK	SW6010	B
Mercury	< 0.08	0.08	0.05	mg/Kg	05/21/14	RS	SW-7471	
Potassium	1840	73	28	mg/Kg	05/22/14	LK	SW6010	
Magnesium	2400	3.6	3.6	mg/Kg	05/22/14	LK	SW6010	
Manganese	553	3.6	3.6	mg/Kg	05/22/14	LK	SW6010	
Sodium	143	7	3.1	mg/Kg	05/22/14	LK	SW6010	
Nickel	11.5	0.36	0.36	mg/Kg	05/22/14	LK	SW6010	
Lead	4.5	0.7	0.36	mg/Kg	05/22/14	LK	SW6010	
Antimony	< 1.8	1.8	1.8	mg/Kg	05/22/14	LK	SW6010	
Selenium	< 1.5	1.5	1.2	mg/Kg	05/22/14	LK	SW6010	
Thallium	< 1.5	1.5	1.5	mg/Kg	05/22/14	LK	SW6010	
Vanadium	24.5	0.4	0.36	mg/Kg	05/22/14	LK	SW6010	
Zinc	26.5	0.7	0.36	mg/Kg	05/22/14	LK	SW6010	B
Percent Solid	88.0			%	05/22/14	CE	E160.3	
Soil Extraction for PCB	Completed				05/20/14	NB	SW3545	
Soil Extraction for Pesticide	Completed				05/20/14	NB/V	SW3545	
Soil Extraction for SVOA	Completed				05/20/14	NJ/FV	SW3545	
Mercury Digestion	Completed				05/21/14	X/X	SW7471	

Project ID: 26 WEST ST BROOKLYN
Client ID: B2 10-12

Phoenix I.D.: BG46450

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				05/20/14	CB/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1221	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1232	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1242	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1248	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1254	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1260	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1262	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1268	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	88			%	05/21/14	AW	30 - 150 %
% TCMX	71			%	05/21/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.7	2.7	ug/Kg	05/22/14	CE	SW8081
4,4' -DDE	ND	2.7	2.7	ug/Kg	05/22/14	CE	SW8081
4,4' -DDT	ND	2.7	2.7	ug/Kg	05/22/14	CE	SW8081
a-BHC	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	05/22/14	CE	SW8081
Aldrin	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
b-BHC	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
Chlordane	ND	22	22	ug/Kg	05/22/14	CE	SW8081
d-BHC	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
Dieldrin	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
Endosulfan I	ND	3.7	3.7	ug/Kg	05/22/14	CE	SW8081
Endosulfan II	ND	3.7	3.7	ug/Kg	05/22/14	CE	SW8081
Endosulfan sulfate	ND	3.7	3.7	ug/Kg	05/22/14	CE	SW8081
Endrin	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
Endrin aldehyde	ND	3.7	3.7	ug/Kg	05/22/14	CE	SW8081
Endrin ketone	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
g-BHC	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	05/22/14	CE	SW8081
Heptachlor	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
Heptachlor epoxide	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
Methoxychlor	ND	7.5	7.5	ug/Kg	05/22/14	CE	SW8081
Toxaphene	ND	190	190	ug/Kg	05/22/14	CE	SW8081
QA/QC Surrogates							
% DCBP	100			%	05/22/14	CE	30 - 150 %
% TCMX	98			%	05/22/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.7	0.93	ug/Kg	05/20/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.7	0.81	ug/Kg	05/20/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.7	0.56	ug/Kg	05/20/14	JLI	SW8260
1,1-Dichloroethane	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260
1,1-Dichloroethene	ND	5.7	1.2	ug/Kg	05/20/14	JLI	SW8260

Project ID: 26 WEST ST BROOKLYN
Client ID: B2 10-12

Phoenix I.D.: BG46450

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	5.7	0.81	ug/Kg	05/20/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	5.7	0.82	ug/Kg	05/20/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.7	1.5	ug/Kg	05/20/14	JLI	SW8260	
1,2-Dibromoethane	ND	5.7	1.5	ug/Kg	05/20/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	5.7	0.63	ug/Kg	05/20/14	JLI	SW8260	
1,2-Dichloroethane	ND	5.7	0.50	ug/Kg	05/20/14	JLI	SW8260	
1,2-Dichloropropane	ND	5.7	0.81	ug/Kg	05/20/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	5.7	0.75	ug/Kg	05/20/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	5.7	0.84	ug/Kg	05/20/14	JLI	SW8260	
1,3-Dichloropropane	ND	5.7	0.60	ug/Kg	05/20/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	5.7	0.90	ug/Kg	05/20/14	JLI	SW8260	
2,2-Dichloropropane	ND	5.7	0.95	ug/Kg	05/20/14	JLI	SW8260	
2-Chlorotoluene	ND	5.7	0.91	ug/Kg	05/20/14	JLI	SW8260	
2-Hexanone	ND	28	2.6	ug/Kg	05/20/14	JLI	SW8260	
2-Isopropyltoluene	ND	5.7	0.78	ug/Kg	05/20/14	JLI	SW8260	1
4-Chlorotoluene	ND	5.7	0.66	ug/Kg	05/20/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	28	1.4	ug/Kg	05/20/14	JLI	SW8260	
Acetone	ND	50	5.6	ug/Kg	05/20/14	JLI	SW8260	
Acrylonitrile	ND	11	3.2	ug/Kg	05/20/14	JLI	SW8260	
Benzene	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260	
Bromobenzene	ND	5.7	0.74	ug/Kg	05/20/14	JLI	SW8260	
Bromochloromethane	ND	5.7	0.83	ug/Kg	05/20/14	JLI	SW8260	
Bromodichloromethane	ND	5.7	0.70	ug/Kg	05/20/14	JLI	SW8260	
Bromoform	ND	5.7	0.80	ug/Kg	05/20/14	JLI	SW8260	
Bromomethane	ND	5.7	4.4	ug/Kg	05/20/14	JLI	SW8260	
Carbon Disulfide	ND	5.7	0.92	ug/Kg	05/20/14	JLI	SW8260	
Carbon tetrachloride	ND	5.7	0.66	ug/Kg	05/20/14	JLI	SW8260	
Chlorobenzene	ND	5.7	0.84	ug/Kg	05/20/14	JLI	SW8260	
Chloroethane	ND	5.7	1.3	ug/Kg	05/20/14	JLI	SW8260	
Chloroform	ND	5.7	1.0	ug/Kg	05/20/14	JLI	SW8260	
Chloromethane	ND	5.7	3.0	ug/Kg	05/20/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	5.7	1.2	ug/Kg	05/20/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	5.7	0.61	ug/Kg	05/20/14	JLI	SW8260	
Dibromochloromethane	ND	5.7	0.64	ug/Kg	05/20/14	JLI	SW8260	
Dibromomethane	ND	5.7	0.72	ug/Kg	05/20/14	JLI	SW8260	
Dichlorodifluoromethane	ND	5.7	1.5	ug/Kg	05/20/14	JLI	SW8260	
Ethylbenzene	ND	5.7	1.0	ug/Kg	05/20/14	JLI	SW8260	
Hexachlorobutadiene	ND	5.7	1.2	ug/Kg	05/20/14	JLI	SW8260	
Isopropylbenzene	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260	
m&p-Xylene	ND	5.7	2.2	ug/Kg	05/20/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	34	4.9	ug/Kg	05/20/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	1.6	ug/Kg	05/20/14	JLI	SW8260	
Methylene chloride	ND	5.7	0.93	ug/Kg	05/20/14	JLI	SW8260	
Naphthalene	ND	5.7	1.5	ug/Kg	05/20/14	JLI	SW8260	
n-Butylbenzene	ND	5.7	1.0	ug/Kg	05/20/14	JLI	SW8260	
n-Propylbenzene	ND	5.7	1.0	ug/Kg	05/20/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.7	2.2	ug/Kg	05/20/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.7	0.82	ug/Kg	05/20/14	JLI	SW8260	
sec-Butylbenzene	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260	
Styrene	ND	5.7	1.6	ug/Kg	05/20/14	JLI	SW8260	
tert-Butylbenzene	ND	5.7	0.91	ug/Kg	05/20/14	JLI	SW8260	
Tetrachloroethene	ND	5.7	1.2	ug/Kg	05/20/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11	5.1	ug/Kg	05/20/14	JLI	SW8260	1
Toluene	ND	5.7	0.90	ug/Kg	05/20/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.7	1.2	ug/Kg	05/20/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	11	11	ug/Kg	05/20/14	JLI	SW8260	
Trichloroethene	ND	5.7	1.2	ug/Kg	05/20/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.7	1.3	ug/Kg	05/20/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.7	0.89	ug/Kg	05/20/14	JLI	SW8260	
Vinyl chloride	ND	5.7	1.8	ug/Kg	05/20/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	97			%	05/20/14	JLI	70 - 130 %	
% Bromofluorobenzene	97			%	05/20/14	JLI	70 - 130 %	
% Dibromofluoromethane	98			%	05/20/14	JLI	70 - 130 %	
% Toluene-d8	98			%	05/20/14	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	05/21/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
2,4-Dichlorophenol	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
2,4-Dimethylphenol	ND	260	92	ug/Kg	05/21/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1900	260	ug/Kg	05/21/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	260	150	ug/Kg	05/21/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
2-Chloronaphthalene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
2-Chlorophenol	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
2-Methylnaphthalene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	260	180	ug/Kg	05/21/14	DD	SW 8270	
2-Nitroaniline	ND	1900	380	ug/Kg	05/21/14	DD	SW 8270	
2-Nitrophenol	ND	260	240	ug/Kg	05/21/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	05/21/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	750	180	ug/Kg	05/21/14	DD	SW 8270	
3-Nitroaniline	ND	1900	810	ug/Kg	05/21/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1900	400	ug/Kg	05/21/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
4-Chloroaniline	ND	750	170	ug/Kg	05/21/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
4-Nitroaniline	ND	1900	120	ug/Kg	05/21/14	DD	SW 8270	

Project ID: 26 WEST ST BROOKLYN
Client ID: B2 10-12

Phoenix I.D.: BG46450

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1900	170	ug/Kg	05/21/14	DD	SW 8270	
Acenaphthene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Acenaphthylene	ND	260	100	ug/Kg	05/21/14	DD	SW 8270	
Acetophenone	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Aniline	ND	1900	750	ug/Kg	05/21/14	DD	SW 8270	
Anthracene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Benz(a)anthracene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
Benzidine	ND	750	220	ug/Kg	05/21/14	DD	SW 8270	
Benzo(a)pyrene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
Benzo(ghi)perylene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Benzoic acid	ND	1900	750	ug/Kg	05/21/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	260	96	ug/Kg	05/21/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	05/21/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	260	100	ug/Kg	05/21/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	05/21/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Carbazole	ND	1900	280	ug/Kg	05/21/14	DD	SW 8270	
Chrysene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Dibenzofuran	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Diethyl phthalate	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Dimethylphthalate	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Di-n-butylphthalate	ND	260	99	ug/Kg	05/21/14	DD	SW 8270	
Di-n-octylphthalate	ND	260	96	ug/Kg	05/21/14	DD	SW 8270	
Fluoranthene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Fluorene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Hexachlorobenzene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Hexachlorobutadiene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Hexachloroethane	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Isophorone	ND	260	100	ug/Kg	05/21/14	DD	SW 8270	
Naphthalene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Nitrobenzene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	05/21/14	DD	SW 8270	
Pentachloronitrobenzene	ND	260	140	ug/Kg	05/21/14	DD	SW 8270	
Pentachlorophenol	ND	260	140	ug/Kg	05/21/14	DD	SW 8270	
Phenanthrene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Phenol	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Pyrene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
Pyridine	ND	260	92	ug/Kg	05/21/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	87			%	05/21/14	DD	30 - 130 %	
% 2-Fluorobiphenyl	79			%	05/21/14	DD	30 - 130 %	
% 2-Fluorophenol	88			%	05/21/14	DD	30 - 130 %	

Project ID: 26 WEST ST BROOKLYN
Client ID: B2 10-12

Phoenix I.D.: BG46450

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	65			%	05/21/14	DD	30 - 130 %
% Phenol-d5	89			%	05/21/14	DD	30 - 130 %
% Terphenyl-d14	111			%	05/21/14	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 28, 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

NY # 11301

Analysis Report

May 28, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/19/14	8:20
Location Code:	EBC	Received by:	SW	05/20/14	15:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG46447
Phoenix ID: BG46451

Project ID: 26 WEST ST BROOKLYN
Client ID: B3 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.36	0.36	0.36	mg/Kg	05/22/14	LK	SW6010	
Aluminum	9320	36	7.1	mg/Kg	05/22/14	LK	SW6010	
Arsenic	2.8	0.7	0.71	mg/Kg	05/22/14	LK	SW6010	
Barium	26.0	0.7	0.36	mg/Kg	05/22/14	LK	SW6010	
Beryllium	< 0.28	0.28	0.14	mg/Kg	05/22/14	LK	SW6010	
Calcium	4370	3.6	3.3	mg/Kg	05/22/14	LK	SW6010	
Cadmium	< 0.36	0.36	0.14	mg/Kg	05/22/14	LK	SW6010	
Cobalt	4.18	0.36	0.36	mg/Kg	05/22/14	LK	SW6010	
Chromium	10.0	0.36	0.36	mg/Kg	05/22/14	LK	SW6010	
Copper	11.2	0.36	0.36	mg/kg	05/22/14	LK	SW6010	B
Iron	17800	36	36	mg/Kg	05/22/14	LK	SW6010	B
Mercury	< 0.07	0.07	0.04	mg/Kg	05/21/14	RS	SW-7471	
Potassium	1120	71	28	mg/Kg	05/22/14	LK	SW6010	
Magnesium	4640	3.6	3.6	mg/Kg	05/22/14	LK	SW6010	
Manganese	168	3.6	3.6	mg/Kg	05/22/14	LK	SW6010	
Sodium	281	7	3.1	mg/Kg	05/22/14	LK	SW6010	
Nickel	9.71	0.36	0.36	mg/Kg	05/22/14	LK	SW6010	
Lead	8.5	0.7	0.36	mg/Kg	05/22/14	LK	SW6010	
Antimony	< 1.8	1.8	1.8	mg/Kg	05/22/14	LK	SW6010	
Selenium	< 1.4	1.4	1.2	mg/Kg	05/22/14	LK	SW6010	
Thallium	< 1.4	1.4	1.4	mg/Kg	05/22/14	LK	SW6010	
Vanadium	14.2	0.4	0.36	mg/Kg	05/22/14	LK	SW6010	
Zinc	34.4	0.7	0.36	mg/Kg	05/22/14	LK	SW6010	B
Percent Solid	88			%	05/20/14	X	E160.3	
Soil Extraction for PCB	Completed				05/20/14	NB	SW3545	
Soil Extraction for Pesticide	Completed				05/20/14	NB/V	SW3545	
Soil Extraction for SVOA	Completed				05/20/14	NJ/FV	SW3545	
Mercury Digestion	Completed				05/21/14	X/X	SW7471	

Project ID: 26 WEST ST BROOKLYN
Client ID: B3 0-2

Phoenix I.D.: BG46451

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				05/20/14	CB/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	38	38	ug/Kg	05/21/14	AW	SW 8082
PCB-1221	ND	38	38	ug/Kg	05/21/14	AW	SW 8082
PCB-1232	ND	38	38	ug/Kg	05/21/14	AW	SW 8082
PCB-1242	ND	38	38	ug/Kg	05/21/14	AW	SW 8082
PCB-1248	ND	38	38	ug/Kg	05/21/14	AW	SW 8082
PCB-1254	ND	38	38	ug/Kg	05/21/14	AW	SW 8082
PCB-1260	ND	38	38	ug/Kg	05/21/14	AW	SW 8082
PCB-1262	ND	38	38	ug/Kg	05/21/14	AW	SW 8082
PCB-1268	ND	38	38	ug/Kg	05/21/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	84			%	05/21/14	AW	30 - 150 %
% TCMX	68			%	05/21/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.7	2.7	ug/Kg	05/22/14	CE	SW8081
4,4' -DDE	ND	2.7	2.7	ug/Kg	05/22/14	CE	SW8081
4,4' -DDT	ND	2.7	2.7	ug/Kg	05/22/14	CE	SW8081
a-BHC	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
a-Chlordane	ND	3.8	3.8	ug/Kg	05/22/14	CE	SW8081
Aldrin	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
b-BHC	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
Chlordane	ND	22	22	ug/Kg	05/22/14	CE	SW8081
d-BHC	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
Dieldrin	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
Endosulfan I	ND	3.8	3.8	ug/Kg	05/22/14	CE	SW8081
Endosulfan II	ND	3.8	3.8	ug/Kg	05/22/14	CE	SW8081
Endosulfan sulfate	ND	3.8	3.8	ug/Kg	05/22/14	CE	SW8081
Endrin	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
Endrin aldehyde	ND	3.8	3.8	ug/Kg	05/22/14	CE	SW8081
Endrin ketone	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
g-BHC	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
g-Chlordane	ND	3.8	3.8	ug/Kg	05/22/14	CE	SW8081
Heptachlor	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
Heptachlor epoxide	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
Methoxychlor	ND	7.5	7.5	ug/Kg	05/22/14	CE	SW8081
Toxaphene	ND	190	190	ug/Kg	05/22/14	CE	SW8081
QA/QC Surrogates							
% DCBP	100			%	05/22/14	CE	30 - 150 %
% TCMX	94			%	05/22/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.7	0.93	ug/Kg	05/20/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.7	0.81	ug/Kg	05/20/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.7	0.56	ug/Kg	05/20/14	JLI	SW8260
1,1-Dichloroethane	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260
1,1-Dichloroethene	ND	5.7	1.2	ug/Kg	05/20/14	JLI	SW8260

Project ID: 26 WEST ST BROOKLYN
Client ID: B3 0-2

Phoenix I.D.: BG46451

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	5.7	0.81	ug/Kg	05/20/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	5.7	0.82	ug/Kg	05/20/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.7	1.5	ug/Kg	05/20/14	JLI	SW8260	
1,2-Dibromoethane	ND	5.7	1.5	ug/Kg	05/20/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	5.7	0.63	ug/Kg	05/20/14	JLI	SW8260	
1,2-Dichloroethane	ND	5.7	0.50	ug/Kg	05/20/14	JLI	SW8260	
1,2-Dichloropropane	ND	5.7	0.81	ug/Kg	05/20/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	5.7	0.75	ug/Kg	05/20/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	5.7	0.84	ug/Kg	05/20/14	JLI	SW8260	
1,3-Dichloropropane	ND	5.7	0.60	ug/Kg	05/20/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	5.7	0.90	ug/Kg	05/20/14	JLI	SW8260	
2,2-Dichloropropane	ND	5.7	0.95	ug/Kg	05/20/14	JLI	SW8260	
2-Chlorotoluene	ND	5.7	0.91	ug/Kg	05/20/14	JLI	SW8260	
2-Hexanone	ND	28	2.6	ug/Kg	05/20/14	JLI	SW8260	
2-Isopropyltoluene	ND	5.7	0.78	ug/Kg	05/20/14	JLI	SW8260	1
4-Chlorotoluene	ND	5.7	0.66	ug/Kg	05/20/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	28	1.4	ug/Kg	05/20/14	JLI	SW8260	
Acetone	ND	50	5.6	ug/Kg	05/20/14	JLI	SW8260	
Acrylonitrile	ND	11	3.2	ug/Kg	05/20/14	JLI	SW8260	
Benzene	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260	
Bromobenzene	ND	5.7	0.74	ug/Kg	05/20/14	JLI	SW8260	
Bromochloromethane	ND	5.7	0.83	ug/Kg	05/20/14	JLI	SW8260	
Bromodichloromethane	ND	5.7	0.70	ug/Kg	05/20/14	JLI	SW8260	
Bromoform	ND	5.7	0.80	ug/Kg	05/20/14	JLI	SW8260	
Bromomethane	ND	5.7	4.4	ug/Kg	05/20/14	JLI	SW8260	
Carbon Disulfide	ND	5.7	0.92	ug/Kg	05/20/14	JLI	SW8260	
Carbon tetrachloride	ND	5.7	0.66	ug/Kg	05/20/14	JLI	SW8260	
Chlorobenzene	ND	5.7	0.84	ug/Kg	05/20/14	JLI	SW8260	
Chloroethane	ND	5.7	1.3	ug/Kg	05/20/14	JLI	SW8260	
Chloroform	ND	5.7	1.0	ug/Kg	05/20/14	JLI	SW8260	
Chloromethane	ND	5.7	3.0	ug/Kg	05/20/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	5.7	1.2	ug/Kg	05/20/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	5.7	0.61	ug/Kg	05/20/14	JLI	SW8260	
Dibromochloromethane	ND	5.7	0.64	ug/Kg	05/20/14	JLI	SW8260	
Dibromomethane	ND	5.7	0.72	ug/Kg	05/20/14	JLI	SW8260	
Dichlorodifluoromethane	ND	5.7	1.5	ug/Kg	05/20/14	JLI	SW8260	
Ethylbenzene	ND	5.7	1.0	ug/Kg	05/20/14	JLI	SW8260	
Hexachlorobutadiene	ND	5.7	1.2	ug/Kg	05/20/14	JLI	SW8260	
Isopropylbenzene	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260	
m&p-Xylene	ND	5.7	2.2	ug/Kg	05/20/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	34	4.9	ug/Kg	05/20/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	1.6	ug/Kg	05/20/14	JLI	SW8260	
Methylene chloride	ND	5.7	0.93	ug/Kg	05/20/14	JLI	SW8260	
Naphthalene	ND	5.7	1.5	ug/Kg	05/20/14	JLI	SW8260	
n-Butylbenzene	ND	5.7	1.0	ug/Kg	05/20/14	JLI	SW8260	
n-Propylbenzene	ND	5.7	1.0	ug/Kg	05/20/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.7	2.2	ug/Kg	05/20/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.7	0.82	ug/Kg	05/20/14	JLI	SW8260	
sec-Butylbenzene	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260	
Styrene	ND	5.7	1.6	ug/Kg	05/20/14	JLI	SW8260	
tert-Butylbenzene	ND	5.7	0.91	ug/Kg	05/20/14	JLI	SW8260	
Tetrachloroethene	ND	5.7	1.2	ug/Kg	05/20/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11	5.1	ug/Kg	05/20/14	JLI	SW8260	1
Toluene	ND	5.7	0.90	ug/Kg	05/20/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.7	1.2	ug/Kg	05/20/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	11	11	ug/Kg	05/20/14	JLI	SW8260	
Trichloroethene	ND	5.7	1.2	ug/Kg	05/20/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.7	1.3	ug/Kg	05/20/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.7	0.89	ug/Kg	05/20/14	JLI	SW8260	
Vinyl chloride	ND	5.7	1.8	ug/Kg	05/20/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	96			%	05/20/14	JLI	70 - 130 %	
% Bromofluorobenzene	99			%	05/20/14	JLI	70 - 130 %	
% Dibromofluoromethane	102			%	05/20/14	JLI	70 - 130 %	
% Toluene-d8	96			%	05/20/14	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	260	210	ug/Kg	05/21/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
2,4-Dichlorophenol	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
2,4-Dimethylphenol	ND	260	94	ug/Kg	05/21/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1900	260	ug/Kg	05/21/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	260	150	ug/Kg	05/21/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
2-Chloronaphthalene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
2-Chlorophenol	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
2-Methylnaphthalene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	260	180	ug/Kg	05/21/14	DD	SW 8270	
2-Nitroaniline	ND	1900	380	ug/Kg	05/21/14	DD	SW 8270	
2-Nitrophenol	ND	260	240	ug/Kg	05/21/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	05/21/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	760	180	ug/Kg	05/21/14	DD	SW 8270	
3-Nitroaniline	ND	1900	820	ug/Kg	05/21/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1900	410	ug/Kg	05/21/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
4-Chloroaniline	ND	760	180	ug/Kg	05/21/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
4-Nitroaniline	ND	1900	130	ug/Kg	05/21/14	DD	SW 8270	

Project ID: 26 WEST ST BROOKLYN
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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1900	170	ug/Kg	05/21/14	DD	SW 8270	
Acenaphthene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Acenaphthylene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Acetophenone	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Aniline	ND	1900	760	ug/Kg	05/21/14	DD	SW 8270	
Anthracene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Benz(a)anthracene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
Benzidine	ND	760	220	ug/Kg	05/21/14	DD	SW 8270	
Benzo(a)pyrene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
Benzo(ghi)perylene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
Benzoic acid	ND	1900	760	ug/Kg	05/21/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	260	98	ug/Kg	05/21/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	05/21/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	260	100	ug/Kg	05/21/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Carbazole	ND	1900	290	ug/Kg	05/21/14	DD	SW 8270	
Chrysene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Dibenzofuran	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Diethyl phthalate	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Dimethylphthalate	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Di-n-butylphthalate	ND	260	100	ug/Kg	05/21/14	DD	SW 8270	
Di-n-octylphthalate	ND	260	98	ug/Kg	05/21/14	DD	SW 8270	
Fluoranthene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Fluorene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Hexachlorobenzene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Hexachlorobutadiene	ND	260	140	ug/Kg	05/21/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Hexachloroethane	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
Isophorone	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Naphthalene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Nitrobenzene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	260	150	ug/Kg	05/21/14	DD	SW 8270	
Pentachloronitrobenzene	ND	260	140	ug/Kg	05/21/14	DD	SW 8270	
Pentachlorophenol	ND	260	140	ug/Kg	05/21/14	DD	SW 8270	
Phenanthrene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Phenol	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Pyrene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
Pyridine	ND	260	93	ug/Kg	05/21/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	97			%	05/21/14	DD	30 - 130 %	
% 2-Fluorobiphenyl	95			%	05/21/14	DD	30 - 130 %	
% 2-Fluorophenol	94			%	05/21/14	DD	30 - 130 %	

Project ID: 26 WEST ST BROOKLYN
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Phoenix I.D.: BG46451

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	73			%	05/21/14	DD	30 - 130 %
% Phenol-d5	95			%	05/21/14	DD	30 - 130 %
% Terphenyl-d14	111			%	05/21/14	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 28, 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

NY # 11301

Analysis Report

May 28, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/19/14	8:40
Location Code:	EBC	Received by:	SW	05/20/14	15:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG46447
Phoenix ID: BG46452

Project ID: 26 WEST ST BROOKLYN
Client ID: B3 10-12

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.37	0.37	0.37	mg/Kg	05/22/14	LK	SW6010	
Aluminum	7700	37	7.5	mg/Kg	05/22/14	LK	SW6010	
Arsenic	1.4	0.7	0.75	mg/Kg	05/22/14	LK	SW6010	
Barium	53.1	0.7	0.37	mg/Kg	05/22/14	LK	SW6010	
Beryllium	0.61	0.30	0.15	mg/Kg	05/22/14	LK	SW6010	
Calcium	950	3.7	3.4	mg/Kg	05/22/14	LK	SW6010	
Cadmium	< 0.37	0.37	0.15	mg/Kg	05/22/14	LK	SW6010	
Cobalt	6.00	0.37	0.37	mg/Kg	05/22/14	LK	SW6010	
Chromium	15.7	0.37	0.37	mg/Kg	05/22/14	LK	SW6010	
Copper	16.2	0.37	0.37	mg/kg	05/22/14	LK	SW6010	B
Iron	23200	37	37	mg/Kg	05/22/14	LK	SW6010	B
Mercury	< 0.07	0.07	0.04	mg/Kg	05/21/14	RS	SW-7471	
Potassium	1720	75	29	mg/Kg	05/22/14	LK	SW6010	
Magnesium	2600	3.7	3.7	mg/Kg	05/22/14	LK	SW6010	
Manganese	289	3.7	3.7	mg/Kg	05/22/14	LK	SW6010	
Sodium	87	7	3.2	mg/Kg	05/22/14	LK	SW6010	
Nickel	9.73	0.37	0.37	mg/Kg	05/22/14	LK	SW6010	
Lead	6.6	0.7	0.37	mg/Kg	05/22/14	LK	SW6010	
Antimony	< 1.9	1.9	1.9	mg/Kg	05/22/14	LK	SW6010	
Selenium	< 1.5	1.5	1.3	mg/Kg	05/22/14	LK	SW6010	
Thallium	< 1.5	1.5	1.5	mg/Kg	05/22/14	LK	SW6010	
Vanadium	26.0	0.4	0.37	mg/Kg	05/22/14	LK	SW6010	
Zinc	49.7	0.7	0.37	mg/Kg	05/22/14	LK	SW6010	B
Percent Solid	87			%	05/20/14	X	E160.3	
Soil Extraction for PCB	Completed				05/20/14	NB	SW3545	
Soil Extraction for Pesticide	Completed				05/20/14	NB/V	SW3545	
Soil Extraction for SVOA	Completed				05/20/14	NJ/FV	SW3545	
Mercury Digestion	Completed				05/21/14	X/X	SW7471	

Project ID: 26 WEST ST BROOKLYN
Client ID: B3 10-12

Phoenix I.D.: BG46452

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				05/20/14	CB/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1221	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1232	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1242	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1248	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1254	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1260	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1262	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1268	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	82			%	05/21/14	AW	30 - 150 %
% TCMX	67			%	05/21/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.7	2.7	ug/Kg	05/22/14	CE	SW8081
4,4' -DDE	ND	2.7	2.7	ug/Kg	05/22/14	CE	SW8081
4,4' -DDT	ND	2.7	2.7	ug/Kg	05/22/14	CE	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	05/22/14	CE	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	05/22/14	CE	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	05/22/14	CE	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	05/22/14	CE	SW8081
Chlordane	ND	22	22	ug/Kg	05/22/14	CE	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	05/22/14	CE	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	05/22/14	CE	SW8081
Endosulfan I	ND	3.7	3.7	ug/Kg	05/22/14	CE	SW8081
Endosulfan II	ND	3.7	3.7	ug/Kg	05/22/14	CE	SW8081
Endosulfan sulfate	ND	3.7	3.7	ug/Kg	05/22/14	CE	SW8081
Endrin	ND	1.8	1.8	ug/Kg	05/22/14	CE	SW8081
Endrin aldehyde	ND	3.7	3.7	ug/Kg	05/22/14	CE	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	05/22/14	CE	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	05/22/14	CE	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	05/22/14	CE	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	05/22/14	CE	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	05/22/14	CE	SW8081
Methoxychlor	ND	7.4	7.4	ug/Kg	05/22/14	CE	SW8081
Toxaphene	ND	180	180	ug/Kg	05/22/14	CE	SW8081
QA/QC Surrogates							
% DCBP	105			%	05/22/14	CE	30 - 150 %
% TCMX	98			%	05/22/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.7	0.94	ug/Kg	05/20/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.7	0.82	ug/Kg	05/20/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.7	0.56	ug/Kg	05/20/14	JLI	SW8260
1,1-Dichloroethane	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260
1,1-Dichloroethene	ND	5.7	1.3	ug/Kg	05/20/14	JLI	SW8260

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Phoenix I.D.: BG46452

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	5.7	0.82	ug/Kg	05/20/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	5.7	0.83	ug/Kg	05/20/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.7	1.5	ug/Kg	05/20/14	JLI	SW8260	
1,2-Dibromoethane	ND	5.7	1.5	ug/Kg	05/20/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	5.7	0.63	ug/Kg	05/20/14	JLI	SW8260	
1,2-Dichloroethane	ND	5.7	0.51	ug/Kg	05/20/14	JLI	SW8260	
1,2-Dichloropropane	ND	5.7	0.82	ug/Kg	05/20/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	5.7	0.76	ug/Kg	05/20/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	5.7	0.85	ug/Kg	05/20/14	JLI	SW8260	
1,3-Dichloropropane	ND	5.7	0.61	ug/Kg	05/20/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	5.7	0.91	ug/Kg	05/20/14	JLI	SW8260	
2,2-Dichloropropane	ND	5.7	0.97	ug/Kg	05/20/14	JLI	SW8260	
2-Chlorotoluene	ND	5.7	0.92	ug/Kg	05/20/14	JLI	SW8260	
2-Hexanone	ND	29	2.6	ug/Kg	05/20/14	JLI	SW8260	
2-Isopropyltoluene	ND	5.7	0.79	ug/Kg	05/20/14	JLI	SW8260	1
4-Chlorotoluene	ND	5.7	0.67	ug/Kg	05/20/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	29	1.4	ug/Kg	05/20/14	JLI	SW8260	
Acetone	ND	50	5.7	ug/Kg	05/20/14	JLI	SW8260	
Acrylonitrile	ND	11	3.2	ug/Kg	05/20/14	JLI	SW8260	
Benzene	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260	
Bromobenzene	ND	5.7	0.75	ug/Kg	05/20/14	JLI	SW8260	
Bromochloromethane	ND	5.7	0.84	ug/Kg	05/20/14	JLI	SW8260	
Bromodichloromethane	ND	5.7	0.71	ug/Kg	05/20/14	JLI	SW8260	
Bromoform	ND	5.7	0.80	ug/Kg	05/20/14	JLI	SW8260	
Bromomethane	ND	5.7	4.4	ug/Kg	05/20/14	JLI	SW8260	
Carbon Disulfide	ND	5.7	0.93	ug/Kg	05/20/14	JLI	SW8260	
Carbon tetrachloride	ND	5.7	0.67	ug/Kg	05/20/14	JLI	SW8260	
Chlorobenzene	ND	5.7	0.85	ug/Kg	05/20/14	JLI	SW8260	
Chloroethane	ND	5.7	1.3	ug/Kg	05/20/14	JLI	SW8260	
Chloroform	ND	5.7	1.0	ug/Kg	05/20/14	JLI	SW8260	
Chloromethane	ND	5.7	3.0	ug/Kg	05/20/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	5.7	1.3	ug/Kg	05/20/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	5.7	0.62	ug/Kg	05/20/14	JLI	SW8260	
Dibromochloromethane	ND	5.7	0.64	ug/Kg	05/20/14	JLI	SW8260	
Dibromomethane	ND	5.7	0.72	ug/Kg	05/20/14	JLI	SW8260	
Dichlorodifluoromethane	ND	5.7	1.5	ug/Kg	05/20/14	JLI	SW8260	
Ethylbenzene	ND	5.7	1.0	ug/Kg	05/20/14	JLI	SW8260	
Hexachlorobutadiene	ND	5.7	1.2	ug/Kg	05/20/14	JLI	SW8260	
Isopropylbenzene	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260	
m&p-Xylene	ND	5.7	2.3	ug/Kg	05/20/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	34	5.0	ug/Kg	05/20/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	1.6	ug/Kg	05/20/14	JLI	SW8260	
Methylene chloride	ND	5.7	0.94	ug/Kg	05/20/14	JLI	SW8260	
Naphthalene	ND	5.7	1.5	ug/Kg	05/20/14	JLI	SW8260	
n-Butylbenzene	ND	5.7	1.0	ug/Kg	05/20/14	JLI	SW8260	
n-Propylbenzene	ND	5.7	1.0	ug/Kg	05/20/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.7	2.2	ug/Kg	05/20/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.7	0.83	ug/Kg	05/20/14	JLI	SW8260	
sec-Butylbenzene	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260	
Styrene	ND	5.7	1.7	ug/Kg	05/20/14	JLI	SW8260	
tert-Butylbenzene	ND	5.7	0.92	ug/Kg	05/20/14	JLI	SW8260	
Tetrachloroethene	ND	5.7	1.2	ug/Kg	05/20/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11	5.2	ug/Kg	05/20/14	JLI	SW8260	1
Toluene	ND	5.7	0.91	ug/Kg	05/20/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.7	1.2	ug/Kg	05/20/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	11	11	ug/Kg	05/20/14	JLI	SW8260	
Trichloroethene	ND	5.7	1.2	ug/Kg	05/20/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.7	1.3	ug/Kg	05/20/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.7	0.90	ug/Kg	05/20/14	JLI	SW8260	
Vinyl chloride	ND	5.7	1.9	ug/Kg	05/20/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	05/20/14	JLI	70 - 130 %	
% Bromofluorobenzene	97			%	05/20/14	JLI	70 - 130 %	
% Dibromofluoromethane	99			%	05/20/14	JLI	70 - 130 %	
% Toluene-d8	99			%	05/20/14	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	05/21/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
2,4-Dichlorophenol	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
2,4-Dimethylphenol	ND	260	92	ug/Kg	05/21/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1900	260	ug/Kg	05/21/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	260	150	ug/Kg	05/21/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
2-Chloronaphthalene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
2-Chlorophenol	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
2-Methylnaphthalene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	260	180	ug/Kg	05/21/14	DD	SW 8270	
2-Nitroaniline	ND	1900	380	ug/Kg	05/21/14	DD	SW 8270	
2-Nitrophenol	ND	260	240	ug/Kg	05/21/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	05/21/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	740	180	ug/Kg	05/21/14	DD	SW 8270	
3-Nitroaniline	ND	1900	810	ug/Kg	05/21/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1900	400	ug/Kg	05/21/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
4-Chloroaniline	ND	740	170	ug/Kg	05/21/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
4-Nitroaniline	ND	1900	120	ug/Kg	05/21/14	DD	SW 8270	

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Phoenix I.D.: BG46452

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1900	170	ug/Kg	05/21/14	DD	SW 8270	
Acenaphthene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Acenaphthylene	ND	260	100	ug/Kg	05/21/14	DD	SW 8270	
Acetophenone	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Aniline	ND	1900	750	ug/Kg	05/21/14	DD	SW 8270	
Anthracene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Benz(a)anthracene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
Benzidine	ND	740	220	ug/Kg	05/21/14	DD	SW 8270	
Benzo(a)pyrene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
Benzo(ghi)perylene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Benzoic acid	ND	1900	740	ug/Kg	05/21/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	260	96	ug/Kg	05/21/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	05/21/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	260	100	ug/Kg	05/21/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	05/21/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Carbazole	ND	1900	280	ug/Kg	05/21/14	DD	SW 8270	
Chrysene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Dibenzofuran	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Diethyl phthalate	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Dimethylphthalate	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Di-n-butylphthalate	ND	260	99	ug/Kg	05/21/14	DD	SW 8270	
Di-n-octylphthalate	ND	260	96	ug/Kg	05/21/14	DD	SW 8270	
Fluoranthene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Fluorene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Hexachlorobenzene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Hexachlorobutadiene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Hexachloroethane	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Isophorone	ND	260	100	ug/Kg	05/21/14	DD	SW 8270	
Naphthalene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Nitrobenzene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	05/21/14	DD	SW 8270	
Pentachloronitrobenzene	ND	260	140	ug/Kg	05/21/14	DD	SW 8270	
Pentachlorophenol	ND	260	140	ug/Kg	05/21/14	DD	SW 8270	
Phenanthrene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Phenol	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Pyrene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
Pyridine	ND	260	92	ug/Kg	05/21/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	97			%	05/21/14	DD	30 - 130 %	
% 2-Fluorobiphenyl	85			%	05/21/14	DD	30 - 130 %	
% 2-Fluorophenol	88			%	05/21/14	DD	30 - 130 %	

Project ID: 26 WEST ST BROOKLYN
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Phoenix I.D.: BG46452

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	75			%	05/21/14	DD	30 - 130 %
% Phenol-d5	89			%	05/21/14	DD	30 - 130 %
% Terphenyl-d14	103			%	05/21/14	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 28, 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

NY # 11301

Analysis Report

May 28, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/19/14	9:00
Location Code:	EBC	Received by:	SW	05/20/14	15:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG46447
Phoenix ID: BG46453

Project ID: 26 WEST ST BROOKLYN
Client ID: B4 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.37	0.37	0.37	mg/Kg	05/22/14	LK	SW6010	
Aluminum	8530	37	7.4	mg/Kg	05/22/14	LK	SW6010	
Arsenic	5.2	0.7	0.74	mg/Kg	05/22/14	LK	SW6010	
Barium	104	0.7	0.37	mg/Kg	05/22/14	LK	SW6010	
Beryllium	0.38	0.30	0.15	mg/Kg	05/22/14	LK	SW6010	
Calcium	3380	3.7	3.4	mg/Kg	05/22/14	LK	SW6010	
Cadmium	< 0.37	0.37	0.15	mg/Kg	05/22/14	LK	SW6010	
Cobalt	4.78	0.37	0.37	mg/Kg	05/22/14	LK	SW6010	
Chromium	11.5	0.37	0.37	mg/Kg	05/22/14	LK	SW6010	
Copper	42.4	0.37	0.37	mg/kg	05/22/14	LK	SW6010	B
Iron	15100	37	37	mg/Kg	05/22/14	LK	SW6010	B
Mercury	0.11	0.08	0.05	mg/Kg	05/21/14	RS	SW-7471	
Potassium	947	74	29	mg/Kg	05/22/14	LK	SW6010	
Magnesium	1970	3.7	3.7	mg/Kg	05/22/14	LK	SW6010	
Manganese	312	3.7	3.7	mg/Kg	05/22/14	LK	SW6010	
Sodium	122	7	3.2	mg/Kg	05/22/14	LK	SW6010	
Nickel	11.2	0.37	0.37	mg/Kg	05/22/14	LK	SW6010	
Lead	322	7.4	3.7	mg/Kg	05/22/14	LK	SW6010	
Antimony	< 1.8	1.8	1.8	mg/Kg	05/22/14	LK	SW6010	
Selenium	< 1.5	1.5	1.3	mg/Kg	05/22/14	EK	SW6010	
Thallium	< 1.5	1.5	1.5	mg/Kg	05/22/14	LK	SW6010	
Vanadium	16.7	0.4	0.37	mg/Kg	05/22/14	LK	SW6010	
Zinc	135	0.7	0.37	mg/Kg	05/22/14	LK	SW6010	B
Percent Solid	88			%	05/20/14	X	E160.3	
Soil Extraction for PCB	Completed				05/20/14	NB	SW3545	
Soil Extraction for Pesticide	Completed				05/20/14	NB/V	SW3545	
Soil Extraction for SVOA	Completed				05/20/14	NJ/FV	SW3545	
Mercury Digestion	Completed				05/21/14	X/X	SW7471	

Project ID: 26 WEST ST BROOKLYN
Client ID: B4 0-2

Phoenix I.D.: BG46453

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				05/20/14	CB/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1221	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1232	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1242	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1248	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1254	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1260	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1262	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
PCB-1268	ND	37	37	ug/Kg	05/21/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	88			%	05/21/14	AW	30 - 150 %
% TCMX	71			%	05/21/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.6	2.6	ug/Kg	05/22/14	CE	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	05/22/14	CE	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	05/22/14	CE	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	05/22/14	CE	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	05/22/14	CE	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	05/22/14	CE	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	05/22/14	CE	SW8081
Chlordane	ND	22	22	ug/Kg	05/22/14	CE	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	05/22/14	CE	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	05/22/14	CE	SW8081
Endosulfan I	ND	3.7	3.7	ug/Kg	05/22/14	CE	SW8081
Endosulfan II	ND	3.7	3.7	ug/Kg	05/22/14	CE	SW8081
Endosulfan sulfate	ND	3.7	3.7	ug/Kg	05/22/14	CE	SW8081
Endrin	ND	1.8	1.8	ug/Kg	05/22/14	CE	SW8081
Endrin aldehyde	ND	3.7	3.7	ug/Kg	05/22/14	CE	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	05/22/14	CE	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	05/22/14	CE	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	05/22/14	CE	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	05/22/14	CE	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	05/22/14	CE	SW8081
Methoxychlor	ND	7.4	7.4	ug/Kg	05/22/14	CE	SW8081
Toxaphene	ND	180	180	ug/Kg	05/22/14	CE	SW8081
QA/QC Surrogates							
% DCBP	102			%	05/22/14	CE	30 - 150 %
% TCMX	102			%	05/22/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.7	0.93	ug/Kg	05/20/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.7	0.81	ug/Kg	05/20/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.7	0.56	ug/Kg	05/20/14	JLI	SW8260
1,1-Dichloroethane	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260
1,1-Dichloroethene	ND	5.7	1.2	ug/Kg	05/20/14	JLI	SW8260

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Client ID: B4 0-2

Phoenix I.D.: BG46453

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	280	57	ug/Kg	05/23/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	280	40	ug/Kg	05/23/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	280	57	ug/Kg	05/23/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	280	41	ug/Kg	05/23/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	280	76	ug/Kg	05/23/14	JLI	SW8260	
1,2-Dibromoethane	ND	5.7	1.5	ug/Kg	05/20/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	280	31	ug/Kg	05/23/14	JLI	SW8260	
1,2-Dichloroethane	ND	5.7	0.50	ug/Kg	05/20/14	JLI	SW8260	
1,2-Dichloropropane	ND	5.7	0.81	ug/Kg	05/20/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	280	38	ug/Kg	05/23/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	280	42	ug/Kg	05/23/14	JLI	SW8260	
1,3-Dichloropropane	ND	5.7	0.60	ug/Kg	05/20/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	280	45	ug/Kg	05/23/14	JLI	SW8260	
2,2-Dichloropropane	ND	5.7	0.95	ug/Kg	05/20/14	JLI	SW8260	
2-Chlorotoluene	ND	280	45	ug/Kg	05/23/14	JLI	SW8260	
2-Hexanone	ND	28	2.6	ug/Kg	05/20/14	JLI	SW8260	
2-Isopropyltoluene	ND	280	39	ug/Kg	05/23/14	JLI	SW8260	1
4-Chlorotoluene	ND	280	33	ug/Kg	05/23/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	28	1.4	ug/Kg	05/20/14	JLI	SW8260	
Acetone	ND	50	5.6	ug/Kg	05/20/14	JLI	SW8260	
Acrylonitrile	ND	11	3.2	ug/Kg	05/20/14	JLI	SW8260	
Benzene	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260	
Bromobenzene	ND	280	37	ug/Kg	05/23/14	JLI	SW8260	
Bromochloromethane	ND	5.7	0.83	ug/Kg	05/20/14	JLI	SW8260	
Bromodichloromethane	ND	5.7	0.70	ug/Kg	05/20/14	JLI	SW8260	
Bromoform	ND	5.7	0.80	ug/Kg	05/20/14	JLI	SW8260	
Bromomethane	ND	5.7	4.4	ug/Kg	05/20/14	JLI	SW8260	
Carbon Disulfide	ND	5.7	0.92	ug/Kg	05/20/14	JLI	SW8260	
Carbon tetrachloride	ND	5.7	0.66	ug/Kg	05/20/14	JLI	SW8260	
Chlorobenzene	ND	5.7	0.84	ug/Kg	05/20/14	JLI	SW8260	
Chloroethane	ND	5.7	1.3	ug/Kg	05/20/14	JLI	SW8260	
Chloroform	ND	5.7	1.0	ug/Kg	05/20/14	JLI	SW8260	
Chloromethane	ND	5.7	3.0	ug/Kg	05/20/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	5.7	1.2	ug/Kg	05/20/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	5.7	0.61	ug/Kg	05/20/14	JLI	SW8260	
Dibromochloromethane	ND	5.7	0.64	ug/Kg	05/20/14	JLI	SW8260	
Dibromomethane	ND	5.7	0.72	ug/Kg	05/20/14	JLI	SW8260	
Dichlorodifluoromethane	ND	5.7	1.5	ug/Kg	05/20/14	JLI	SW8260	
Ethylbenzene	ND	5.7	1.0	ug/Kg	05/20/14	JLI	SW8260	
Hexachlorobutadiene	ND	280	60	ug/Kg	05/23/14	JLI	SW8260	
Isopropylbenzene	ND	280	55	ug/Kg	05/23/14	JLI	SW8260	
m&p-Xylene	ND	5.7	2.2	ug/Kg	05/20/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	34	4.9	ug/Kg	05/20/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	1.6	ug/Kg	05/20/14	JLI	SW8260	
Methylene chloride	ND	5.7	0.93	ug/Kg	05/20/14	JLI	SW8260	
Naphthalene	ND	280	76	ug/Kg	05/23/14	JLI	SW8260	
n-Butylbenzene	ND	280	52	ug/Kg	05/23/14	JLI	SW8260	
n-Propylbenzene	ND	280	51	ug/Kg	05/23/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.7	2.2	ug/Kg	05/20/14	JLI	SW8260	
p-Isopropyltoluene	ND	280	41	ug/Kg	05/23/14	JLI	SW8260	
sec-Butylbenzene	ND	280	53	ug/Kg	05/23/14	JLI	SW8260	
Styrene	ND	5.7	1.6	ug/Kg	05/20/14	JLI	SW8260	
tert-Butylbenzene	ND	280	45	ug/Kg	05/23/14	JLI	SW8260	
Tetrachloroethene	ND	5.7	1.2	ug/Kg	05/20/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11	5.1	ug/Kg	05/20/14	JLI	SW8260	1
Toluene	ND	5.7	0.90	ug/Kg	05/20/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.7	1.1	ug/Kg	05/20/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.7	1.2	ug/Kg	05/20/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	570	530	ug/Kg	05/23/14	JLI	SW8260	
Trichloroethene	ND	5.7	1.2	ug/Kg	05/20/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.7	1.3	ug/Kg	05/20/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.7	0.89	ug/Kg	05/20/14	JLI	SW8260	
Vinyl chloride	ND	5.7	1.8	ug/Kg	05/20/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	05/23/14	JLI	70 - 130 %	
% Bromofluorobenzene	94			%	05/23/14	JLI	70 - 130 %	
% Dibromofluoromethane	103			%	05/20/14	JLI	70 - 130 %	
% Toluene-d8	95			%	05/20/14	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	260	100	ug/Kg	05/21/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	05/21/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
2,4-Dichlorophenol	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
2,4-Dimethylphenol	ND	260	92	ug/Kg	05/21/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1800	260	ug/Kg	05/21/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	260	150	ug/Kg	05/21/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
2-Chloronaphthalene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
2-Chlorophenol	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
2-Methylnaphthalene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	05/21/14	DD	SW 8270	
2-Nitroaniline	ND	1800	370	ug/Kg	05/21/14	DD	SW 8270	
2-Nitrophenol	ND	260	230	ug/Kg	05/21/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	05/21/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	740	170	ug/Kg	05/21/14	DD	SW 8270	
3-Nitroaniline	ND	1800	800	ug/Kg	05/21/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1800	400	ug/Kg	05/21/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
4-Chloroaniline	ND	740	170	ug/Kg	05/21/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	05/21/14	DD	SW 8270	

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Phoenix I.D.: BG46453

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1800	170	ug/Kg	05/21/14	DD	SW 8270	
Acenaphthene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Acenaphthylene	ND	260	100	ug/Kg	05/21/14	DD	SW 8270	
Acetophenone	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Aniline	ND	1800	750	ug/Kg	05/21/14	DD	SW 8270	
Anthracene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Benz(a)anthracene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Benzidine	ND	740	220	ug/Kg	05/21/14	DD	SW 8270	
Benzo(a)pyrene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
Benzo(ghi)perylene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Benzoic acid	ND	1800	740	ug/Kg	05/21/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	260	95	ug/Kg	05/21/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	05/21/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	260	100	ug/Kg	05/21/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	05/21/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Carbazole	ND	1800	280	ug/Kg	05/21/14	DD	SW 8270	
Chrysene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Dibenzofuran	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Diethyl phthalate	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Dimethylphthalate	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Di-n-butylphthalate	ND	260	98	ug/Kg	05/21/14	DD	SW 8270	
Di-n-octylphthalate	ND	260	95	ug/Kg	05/21/14	DD	SW 8270	
Fluoranthene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Fluorene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Hexachlorobenzene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Hexachlorobutadiene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Hexachloroethane	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Isophorone	ND	260	100	ug/Kg	05/21/14	DD	SW 8270	
Naphthalene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Nitrobenzene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	260	100	ug/Kg	05/21/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	05/21/14	DD	SW 8270	
Pentachloronitrobenzene	ND	260	140	ug/Kg	05/21/14	DD	SW 8270	
Pentachlorophenol	ND	260	140	ug/Kg	05/21/14	DD	SW 8270	
Phenanthrene	ND	260	110	ug/Kg	05/21/14	DD	SW 8270	
Phenol	ND	260	120	ug/Kg	05/21/14	DD	SW 8270	
Pyrene	ND	260	130	ug/Kg	05/21/14	DD	SW 8270	
Pyridine	ND	260	91	ug/Kg	05/21/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	94			%	05/21/14	DD	30 - 130 %	
% 2-Fluorobiphenyl	86			%	05/21/14	DD	30 - 130 %	
% 2-Fluorophenol	87			%	05/21/14	DD	30 - 130 %	

Project ID: 26 WEST ST BROOKLYN
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Phoenix I.D.: BG46453

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	80			%	05/21/14	DD	30 - 130 %
% Phenol-d5	91			%	05/21/14	DD	30 - 130 %
% Terphenyl-d14	100			%	05/21/14	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

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

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

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

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

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
May 28, 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

NY # 11301

Analysis Report

May 28, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/19/14	9:20
Location Code:	EBC	Received by:	SW	05/20/14	15:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG46447
Phoenix ID: BG46454

Project ID: 26 WEST ST BROOKLYN
Client ID: B4 10-12

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.38	0.38	0.38	mg/Kg	05/22/14	LK	SW6010	
Aluminum	9330	38	7.5	mg/Kg	05/22/14	LK	SW6010	
Arsenic	2.4	0.8	0.75	mg/Kg	05/22/14	LK	SW6010	
Barium	20.7	0.8	0.38	mg/Kg	05/22/14	LK	SW6010	
Beryllium	0.32	0.30	0.15	mg/Kg	05/22/14	LK	SW6010	
Calcium	792	3.8	3.5	mg/Kg	05/22/14	LK	SW6010	
Cadmium	< 0.38	0.38	0.15	mg/Kg	05/22/14	LK	SW6010	
Cobalt	4.91	0.38	0.38	mg/Kg	05/22/14	LK	SW6010	
Chromium	10.4	0.38	0.38	mg/Kg	05/22/14	LK	SW6010	
Copper	10.6	0.38	0.38	mg/kg	05/22/14	LK	SW6010	B
Iron	13500	38	38	mg/Kg	05/22/14	LK	SW6010	B
Mercury	< 0.09	0.09	0.06	mg/Kg	05/21/14	RS	SW-7471	
Potassium	1180	75	29	mg/Kg	05/22/14	LK	SW6010	
Magnesium	2310	3.8	3.8	mg/Kg	05/22/14	LK	SW6010	
Manganese	147	0.38	0.38	mg/Kg	05/22/14	LK	SW6010	
Sodium	64	8	3.2	mg/Kg	05/22/14	LK	SW6010	
Nickel	9.42	0.38	0.38	mg/Kg	05/22/14	LK	SW6010	
Lead	5.2	0.8	0.38	mg/Kg	05/22/14	LK	SW6010	
Antimony	< 1.9	1.9	1.9	mg/Kg	05/22/14	LK	SW6010	
Selenium	< 1.5	1.5	1.3	mg/Kg	05/22/14	LK	SW6010	
Thallium	< 1.5	1.5	1.5	mg/Kg	05/22/14	LK	SW6010	
Vanadium	15.9	0.4	0.38	mg/Kg	05/22/14	LK	SW6010	
Zinc	25.7	0.8	0.38	mg/Kg	05/22/14	LK	SW6010	B
Percent Solid	85			%	05/20/14	X	E160.3	
Soil Extraction for PCB	Completed				05/20/14	NB	SW3545	
Soil Extraction for Pesticide	Completed				05/20/14	NB/V	SW3545	
Soil Extraction for SVOA	Completed				05/20/14	NJ/FV	SW3545	
Mercury Digestion	Completed				05/21/14	X/X	SW7471	

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Client ID: B4 10-12

Phoenix I.D.: BG46454

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				05/20/14	CB/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	38	38	ug/Kg	05/21/14	AW	SW 8082
PCB-1221	ND	38	38	ug/Kg	05/21/14	AW	SW 8082
PCB-1232	ND	38	38	ug/Kg	05/21/14	AW	SW 8082
PCB-1242	ND	38	38	ug/Kg	05/21/14	AW	SW 8082
PCB-1248	ND	38	38	ug/Kg	05/21/14	AW	SW 8082
PCB-1254	ND	38	38	ug/Kg	05/21/14	AW	SW 8082
PCB-1260	ND	38	38	ug/Kg	05/21/14	AW	SW 8082
PCB-1262	ND	38	38	ug/Kg	05/21/14	AW	SW 8082
PCB-1268	ND	38	38	ug/Kg	05/21/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	92			%	05/21/14	AW	30 - 150 %
% TCMX	72			%	05/21/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.8	2.8	ug/Kg	05/22/14	CE	SW8081
4,4' -DDE	ND	2.8	2.8	ug/Kg	05/22/14	CE	SW8081
4,4' -DDT	ND	2.8	2.8	ug/Kg	05/22/14	CE	SW8081
a-BHC	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
a-Chlordane	ND	3.8	3.8	ug/Kg	05/22/14	CE	SW8081
Aldrin	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
b-BHC	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
Chlordane	ND	23	23	ug/Kg	05/22/14	CE	SW8081
d-BHC	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
Dieldrin	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
Endosulfan I	ND	3.8	3.8	ug/Kg	05/22/14	CE	SW8081
Endosulfan II	ND	3.8	3.8	ug/Kg	05/22/14	CE	SW8081
Endosulfan sulfate	ND	3.8	3.8	ug/Kg	05/22/14	CE	SW8081
Endrin	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
Endrin aldehyde	ND	3.8	3.8	ug/Kg	05/22/14	CE	SW8081
Endrin ketone	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
g-BHC	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
g-Chlordane	ND	3.8	3.8	ug/Kg	05/22/14	CE	SW8081
Heptachlor	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
Heptachlor epoxide	ND	1.9	1.9	ug/Kg	05/22/14	CE	SW8081
Methoxychlor	ND	7.7	7.7	ug/Kg	05/22/14	CE	SW8081
Toxaphene	ND	190	190	ug/Kg	05/22/14	CE	SW8081
QA/QC Surrogates							
% DCBP	98			%	05/22/14	CE	30 - 150 %
% TCMX	94			%	05/22/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.9	0.96	ug/Kg	05/20/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.9	1.2	ug/Kg	05/20/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.9	0.84	ug/Kg	05/20/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.9	0.58	ug/Kg	05/20/14	JLI	SW8260
1,1-Dichloroethane	ND	5.9	1.2	ug/Kg	05/20/14	JLI	SW8260
1,1-Dichloroethene	ND	5.9	1.3	ug/Kg	05/20/14	JLI	SW8260

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Phoenix I.D.: BG46454

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND	5.9	1.1	ug/Kg	05/20/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	5.9	1.2	ug/Kg	05/20/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	5.9	0.84	ug/Kg	05/20/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	5.9	1.2	ug/Kg	05/20/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	5.9	0.85	ug/Kg	05/20/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.9	1.6	ug/Kg	05/20/14	JLI	SW8260	
1,2-Dibromoethane	ND	5.9	1.6	ug/Kg	05/20/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	5.9	0.65	ug/Kg	05/20/14	JLI	SW8260	
1,2-Dichloroethane	ND	5.9	0.52	ug/Kg	05/20/14	JLI	SW8260	
1,2-Dichloropropane	ND	5.9	0.84	ug/Kg	05/20/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	5.9	0.78	ug/Kg	05/20/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	5.9	0.87	ug/Kg	05/20/14	JLI	SW8260	
1,3-Dichloropropane	ND	5.9	0.62	ug/Kg	05/20/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	5.9	0.93	ug/Kg	05/20/14	JLI	SW8260	
2,2-Dichloropropane	ND	5.9	0.99	ug/Kg	05/20/14	JLI	SW8260	
2-Chlorotoluene	ND	5.9	0.94	ug/Kg	05/20/14	JLI	SW8260	
2-Hexanone	ND	29	2.6	ug/Kg	05/20/14	JLI	SW8260	
2-Isopropyltoluene	ND	5.9	0.81	ug/Kg	05/20/14	JLI	SW8260	1
4-Chlorotoluene	ND	5.9	0.68	ug/Kg	05/20/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	29	1.4	ug/Kg	05/20/14	JLI	SW8260	
Acetone	ND	50	5.8	ug/Kg	05/20/14	JLI	SW8260	
Acrylonitrile	ND	12	3.3	ug/Kg	05/20/14	JLI	SW8260	
Benzene	ND	5.9	1.2	ug/Kg	05/20/14	JLI	SW8260	
Bromobenzene	ND	5.9	0.76	ug/Kg	05/20/14	JLI	SW8260	
Bromochloromethane	ND	5.9	0.86	ug/Kg	05/20/14	JLI	SW8260	
Bromodichloromethane	ND	5.9	0.73	ug/Kg	05/20/14	JLI	SW8260	
Bromoform	ND	5.9	0.82	ug/Kg	05/20/14	JLI	SW8260	
Bromomethane	ND	5.9	4.5	ug/Kg	05/20/14	JLI	SW8260	
Carbon Disulfide	ND	5.9	0.95	ug/Kg	05/20/14	JLI	SW8260	
Carbon tetrachloride	ND	5.9	0.68	ug/Kg	05/20/14	JLI	SW8260	
Chlorobenzene	ND	5.9	0.87	ug/Kg	05/20/14	JLI	SW8260	
Chloroethane	ND	5.9	1.4	ug/Kg	05/20/14	JLI	SW8260	
Chloroform	ND	5.9	1.1	ug/Kg	05/20/14	JLI	SW8260	
Chloromethane	ND	5.9	3.1	ug/Kg	05/20/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	5.9	1.3	ug/Kg	05/20/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	5.9	0.64	ug/Kg	05/20/14	JLI	SW8260	
Dibromochloromethane	ND	5.9	0.66	ug/Kg	05/20/14	JLI	SW8260	
Dibromomethane	ND	5.9	0.74	ug/Kg	05/20/14	JLI	SW8260	
Dichlorodifluoromethane	ND	5.9	1.6	ug/Kg	05/20/14	JLI	SW8260	
Ethylbenzene	ND	5.9	1.1	ug/Kg	05/20/14	JLI	SW8260	
Hexachlorobutadiene	ND	5.9	1.2	ug/Kg	05/20/14	JLI	SW8260	
Isopropylbenzene	ND	5.9	1.1	ug/Kg	05/20/14	JLI	SW8260	
m&p-Xylene	ND	5.9	2.3	ug/Kg	05/20/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	35	5.1	ug/Kg	05/20/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	12	1.6	ug/Kg	05/20/14	JLI	SW8260	
Methylene chloride	ND	5.9	0.96	ug/Kg	05/20/14	JLI	SW8260	
Naphthalene	ND	5.9	1.6	ug/Kg	05/20/14	JLI	SW8260	
n-Butylbenzene	ND	5.9	1.1	ug/Kg	05/20/14	JLI	SW8260	
n-Propylbenzene	ND	5.9	1.1	ug/Kg	05/20/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.9	2.2	ug/Kg	05/20/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.9	0.85	ug/Kg	05/20/14	JLI	SW8260	
sec-Butylbenzene	ND	5.9	1.1	ug/Kg	05/20/14	JLI	SW8260	
Styrene	ND	5.9	1.7	ug/Kg	05/20/14	JLI	SW8260	
tert-Butylbenzene	ND	5.9	0.94	ug/Kg	05/20/14	JLI	SW8260	
Tetrachloroethene	ND	5.9	1.2	ug/Kg	05/20/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	12	5.3	ug/Kg	05/20/14	JLI	SW8260	1
Toluene	ND	5.9	0.93	ug/Kg	05/20/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.9	1.2	ug/Kg	05/20/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.9	1.2	ug/Kg	05/20/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	12	11	ug/Kg	05/20/14	JLI	SW8260	
Trichloroethene	ND	5.9	1.2	ug/Kg	05/20/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.9	1.3	ug/Kg	05/20/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.9	0.92	ug/Kg	05/20/14	JLI	SW8260	
Vinyl chloride	ND	5.9	1.9	ug/Kg	05/20/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	05/20/14	JLI	70 - 130 %	
% Bromofluorobenzene	99			%	05/20/14	JLI	70 - 130 %	
% Dibromofluoromethane	101			%	05/20/14	JLI	70 - 130 %	
% Toluene-d8	99			%	05/20/14	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	270	140	ug/Kg	05/21/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	270	120	ug/Kg	05/21/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	270	110	ug/Kg	05/21/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	270	130	ug/Kg	05/21/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	270	110	ug/Kg	05/21/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	270	110	ug/Kg	05/21/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	05/21/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	270	120	ug/Kg	05/21/14	DD	SW 8270	
2,4-Dichlorophenol	ND	270	140	ug/Kg	05/21/14	DD	SW 8270	
2,4-Dimethylphenol	ND	270	96	ug/Kg	05/21/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1900	270	ug/Kg	05/21/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	270	150	ug/Kg	05/21/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	270	120	ug/Kg	05/21/14	DD	SW 8270	
2-Chloronaphthalene	ND	270	110	ug/Kg	05/21/14	DD	SW 8270	
2-Chlorophenol	ND	270	110	ug/Kg	05/21/14	DD	SW 8270	
2-Methylnaphthalene	ND	270	120	ug/Kg	05/21/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	270	180	ug/Kg	05/21/14	DD	SW 8270	
2-Nitroaniline	ND	1900	390	ug/Kg	05/21/14	DD	SW 8270	
2-Nitrophenol	ND	270	250	ug/Kg	05/21/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	270	150	ug/Kg	05/21/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	770	180	ug/Kg	05/21/14	DD	SW 8270	
3-Nitroaniline	ND	1900	840	ug/Kg	05/21/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1900	420	ug/Kg	05/21/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	270	110	ug/Kg	05/21/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	270	140	ug/Kg	05/21/14	DD	SW 8270	
4-Chloroaniline	ND	770	180	ug/Kg	05/21/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	270	130	ug/Kg	05/21/14	DD	SW 8270	
4-Nitroaniline	ND	1900	130	ug/Kg	05/21/14	DD	SW 8270	

Project ID: 26 WEST ST BROOKLYN
Client ID: B4 10-12

Phoenix I.D.: BG46454

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1900	180	ug/Kg	05/21/14	DD	SW 8270	
Acenaphthene	ND	270	120	ug/Kg	05/21/14	DD	SW 8270	
Acenaphthylene	ND	270	110	ug/Kg	05/21/14	DD	SW 8270	
Acetophenone	ND	270	120	ug/Kg	05/21/14	DD	SW 8270	
Aniline	ND	1900	780	ug/Kg	05/21/14	DD	SW 8270	
Anthracene	ND	270	130	ug/Kg	05/21/14	DD	SW 8270	
Benz(a)anthracene	ND	270	130	ug/Kg	05/21/14	DD	SW 8270	
Benzidine	ND	770	230	ug/Kg	05/21/14	DD	SW 8270	
Benzo(a)pyrene	ND	270	130	ug/Kg	05/21/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	270	130	ug/Kg	05/21/14	DD	SW 8270	
Benzo(ghi)perylene	ND	270	130	ug/Kg	05/21/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	270	130	ug/Kg	05/21/14	DD	SW 8270	
Benzoic acid	ND	1900	770	ug/Kg	05/21/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	270	100	ug/Kg	05/21/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	270	110	ug/Kg	05/21/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	270	100	ug/Kg	05/21/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	270	110	ug/Kg	05/21/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	270	110	ug/Kg	05/21/14	DD	SW 8270	
Carbazole	ND	1900	290	ug/Kg	05/21/14	DD	SW 8270	
Chrysene	ND	270	130	ug/Kg	05/21/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	270	130	ug/Kg	05/21/14	DD	SW 8270	
Dibenzofuran	ND	270	110	ug/Kg	05/21/14	DD	SW 8270	
Diethyl phthalate	ND	270	120	ug/Kg	05/21/14	DD	SW 8270	
Dimethylphthalate	ND	270	120	ug/Kg	05/21/14	DD	SW 8270	
Di-n-butylphthalate	ND	270	100	ug/Kg	05/21/14	DD	SW 8270	
Di-n-octylphthalate	ND	270	100	ug/Kg	05/21/14	DD	SW 8270	
Fluoranthene	ND	270	130	ug/Kg	05/21/14	DD	SW 8270	
Fluorene	ND	270	130	ug/Kg	05/21/14	DD	SW 8270	
Hexachlorobenzene	ND	270	110	ug/Kg	05/21/14	DD	SW 8270	
Hexachlorobutadiene	ND	270	140	ug/Kg	05/21/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	270	120	ug/Kg	05/21/14	DD	SW 8270	
Hexachloroethane	ND	270	120	ug/Kg	05/21/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	270	130	ug/Kg	05/21/14	DD	SW 8270	
Isophorone	ND	270	110	ug/Kg	05/21/14	DD	SW 8270	
Naphthalene	ND	270	110	ug/Kg	05/21/14	DD	SW 8270	
Nitrobenzene	ND	270	140	ug/Kg	05/21/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	270	110	ug/Kg	05/21/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	270	130	ug/Kg	05/21/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	270	150	ug/Kg	05/21/14	DD	SW 8270	
Pentachloronitrobenzene	ND	270	140	ug/Kg	05/21/14	DD	SW 8270	
Pentachlorophenol	ND	270	150	ug/Kg	05/21/14	DD	SW 8270	
Phenanthrene	ND	270	110	ug/Kg	05/21/14	DD	SW 8270	
Phenol	ND	270	120	ug/Kg	05/21/14	DD	SW 8270	
Pyrene	ND	270	130	ug/Kg	05/21/14	DD	SW 8270	
Pyridine	ND	270	95	ug/Kg	05/21/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	97			%	05/21/14	DD	30 - 130 %	
% 2-Fluorobiphenyl	85			%	05/21/14	DD	30 - 130 %	
% 2-Fluorophenol	88			%	05/21/14	DD	30 - 130 %	

Project ID: 26 WEST ST BROOKLYN
Client ID: B4 10-12

Phoenix I.D.: BG46454

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	75			%	05/21/14	DD	30 - 130 %
% Phenol-d5	91			%	05/21/14	DD	30 - 130 %
% Terphenyl-d14	103			%	05/21/14	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 28, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

May 28, 2014

QA/QC Data

SDG I.D.: GBG46447

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 274842, QC Sample No: BG46431 (BG46447, BG46448, BG46449, BG46450, BG46451, BG46452, BG46453, BG46454)													
ICP Metals - Soil													
Aluminum	BRL	7790	6940	11.5	102	104	1.9	NC	NC	NC	75 - 125	30	
Antimony	BRL	<3.7	<3.2	NC	85.9	83.6	2.7	80.8	78.7	2.6	75 - 125	30	
Arsenic	BRL	2.1	2.13	NC	91.0	91.3	0.3	82.5	81.2	1.6	75 - 125	30	
Barium	BRL	27.6	25.2	9.10	101	97.5	3.5	90.0	91.4	1.5	75 - 125	30	
Beryllium	BRL	0.34	0.32	NC	93.5	93.8	0.3	87.9	86.2	2.0	75 - 125	30	
Cadmium	BRL	<0.37	<0.32	NC	88.5	88.5	0.0	83.1	81.4	2.1	75 - 125	30	
Calcium	BRL	658	610	7.60	94.3	92.8	1.6	NC	NC	NC	75 - 125	30	
Chromium	BRL	13.1	12.8	2.30	93.3	92.5	0.9	84.7	84.5	0.2	75 - 125	30	
Cobalt	BRL	5.60	4.99	11.5	92.5	92.1	0.4	85.1	83.7	1.7	75 - 125	30	
Copper	0.34	11.2	10.1	10.3	97.1	96.4	0.7	91.9	91.3	0.7	75 - 125	30	
Iron	7.0	19000	17700	7.10	104	103	1.0	NC	NC	NC	75 - 125	30	
Lead	BRL	7.5	6.22	18.7	90.9	89.4	1.7	83.1	81.4	2.1	75 - 125	30	
Magnesium	BRL	2530	1880	29.5	94.8	94.9	0.1	NC	NC	NC	75 - 125	30	
Manganese	BRL	328	329	0.30	98.9	95.9	3.1	106	>130	NC	75 - 125	30	m
Nickel	BRL	11.5	11.1	3.50	90.4	89.4	1.1	83.4	81.9	1.8	75 - 125	30	
Potassium	BRL	1400	867	47.0	120	119	0.8	80.2	85.1	5.9	75 - 125	30	r
Selenium	BRL	<1.5	<1.3	NC	80.9	77.9	3.8	75.1	101	29.4	75 - 125	30	
Silver	BRL	<0.37	<0.32	NC	104	102	1.9	96.7	95.5	1.2	75 - 125	30	
Sodium	BRL	63.1	48.9	25.4	118	120	1.7	115	>130	NC	75 - 125	30	m
Thallium	BRL	<3.3	<2.9	NC	92.8	95.3	2.7	86.4	85.0	1.6	75 - 125	30	
Vanadium	BRL	21.7	19.1	12.7	96.9	94.8	2.2	85.8	88.5	3.1	75 - 125	30	
Zinc	0.49	24.1	24.3	0.80	86.2	86.2	0.0	82.5	79.6	3.6	75 - 125	30	
QA/QC Batch 274885, QC Sample No: BG46440 (BG46447, BG46448, BG46449, BG46450, BG46451, BG46452, BG46453, BG46454)													
Mercury - Soil	BRL	0.13	0.16	NC	101	99.7	1.3	116	117	0.9	70 - 130	30	

Comment:

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.

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

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

May 28, 2014

QA/QC Data

SDG I.D.: GBG46447

QA/QC Batch 274838, QC Sample No: BG46431 (BG46447, BG46448, BG46449, BG46450, BG46451, BG46452, BG46453, BG46454)

Semivolatiles - Solid

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2,4,5-Tetrachlorobenzene	ND	85	88	3.5	86	88	2.3	30 - 130	30	
1,2,4-Trichlorobenzene	ND	81	84	3.6	82	84	2.4	30 - 130	30	
1,2-Dichlorobenzene	ND	83	86	3.6	83	86	3.6	30 - 130	30	
1,2-Diphenylhydrazine	ND	87	92	5.6	92	95	3.2	30 - 130	30	
1,3-Dichlorobenzene	ND	82	85	3.6	81	85	4.8	30 - 130	30	
1,4-Dichlorobenzene	ND	81	84	3.6	81	84	3.6	30 - 130	30	
2,4,5-Trichlorophenol	ND	98	103	5.0	106	105	0.9	30 - 130	30	
2,4,6-Trichlorophenol	ND	89	95	6.5	104	107	2.8	30 - 130	30	
2,4-Dichlorophenol	ND	91	95	4.3	94	94	0.0	30 - 130	30	
2,4-Dimethylphenol	ND	55	58	5.3	58	59	1.7	30 - 130	30	
2,4-Dinitrophenol	ND	<10	<10	NC	<10	<10	NC	30 - 130	30	l,m
2,4-Dinitrotoluene	ND	93	101	8.2	98	100	2.0	30 - 130	30	
2,6-Dinitrotoluene	ND	94	99	5.2	98	101	3.0	30 - 130	30	
2-Chloronaphthalene	ND	91	96	5.3	96	100	4.1	30 - 130	30	
2-Chlorophenol	ND	89	92	3.3	91	93	2.2	30 - 130	30	
2-Methylnaphthalene	ND	86	88	2.3	87	88	1.1	30 - 130	30	
2-Methylphenol (o-cresol)	ND	83	86	3.6	84	89	5.8	30 - 130	30	
2-Nitroaniline	ND	127	148	15.3	141	142	0.7	30 - 130	30	l,m
2-Nitrophenol	ND	75	79	5.2	85	89	4.6	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	87	90	3.4	88	91	3.4	30 - 130	30	
3,3'-Dichlorobenzidine	ND	132	147	10.8	145	142	2.1	30 - 130	30	l,m
3-Nitroaniline	ND	115	127	9.9	124	121	2.4	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	30	46	42.1	66	71	7.3	30 - 130	30	r
4-Bromophenyl phenyl ether	ND	95	96	1.0	98	102	4.0	30 - 130	30	
4-Chloro-3-methylphenol	ND	96	100	4.1	97	96	1.0	30 - 130	30	
4-Chloroaniline	ND	69	78	12.2	73	71	2.8	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	91	95	4.3	96	99	3.1	30 - 130	30	
4-Nitroaniline	ND	97	103	6.0	101	103	2.0	30 - 130	30	
4-Nitrophenol	ND	92	105	13.2	96	94	2.1	30 - 130	30	
Acenaphthene	ND	86	89	3.4	90	93	3.3	30 - 130	30	
Acenaphthylene	ND	89	92	3.3	93	97	4.2	30 - 130	30	
Acetophenone	ND	88	92	4.4	89	93	4.4	30 - 130	30	
Aniline	ND	88	96	8.7	89	86	3.4	30 - 130	30	
Anthracene	ND	91	96	5.3	98	101	3.0	30 - 130	30	
Benz(a)anthracene	ND	93	98	5.2	95	99	4.1	30 - 130	30	
Benzidine	ND	>200	>200	NC	160	>200	NC	30 - 130	30	l,m
Benzo(a)pyrene	ND	86	89	3.4	90	93	3.3	30 - 130	30	
Benzo(b)fluoranthene	ND	92	102	10.3	103	103	0.0	30 - 130	30	
Benzo(ghi)perylene	ND	94	99	5.2	96	99	3.1	30 - 130	30	
Benzo(k)fluoranthene	ND	88	91	3.4	97	109	11.7	30 - 130	30	

QA/QC Data

SDG I.D.: GBG46447

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Benzyl butyl phthalate	ND	98	100	2.0	93	102	9.2	30 - 130	30
Bis(2-chloroethoxy)methane	ND	83	88	5.8	85	87	2.3	30 - 130	30
Bis(2-chloroethyl)ether	ND	82	84	2.4	83	85	2.4	30 - 130	30
Bis(2-chloroisopropyl)ether	ND	82	86	4.8	83	86	3.6	30 - 130	30
Bis(2-ethylhexyl)phthalate	ND	86	84	2.4	86	97	12.0	30 - 130	30
Carbazole	ND	112	122	8.5	124	128	3.2	30 - 130	30
Chrysene	ND	93	98	5.2	97	101	4.0	30 - 130	30
Dibenz(a,h)anthracene	ND	93	97	4.2	97	99	2.0	30 - 130	30
Dibenzofuran	ND	90	95	5.4	95	97	2.1	30 - 130	30
Diethyl phthalate	ND	92	96	4.3	96	100	4.1	30 - 130	30
Dimethylphthalate	ND	91	95	4.3	95	99	4.1	30 - 130	30
Di-n-butylphthalate	ND	91	93	2.2	96	102	6.1	30 - 130	30
Di-n-octylphthalate	ND	96	98	2.1	98	101	3.0	30 - 130	30
Fluoranthene	ND	89	96	7.6	98	106	7.8	30 - 130	30
Fluorene	ND	91	96	5.3	97	101	4.0	30 - 130	30
Hexachlorobenzene	ND	90	90	0.0	93	98	5.2	30 - 130	30
Hexachlorobutadiene	ND	81	83	2.4	81	83	2.4	30 - 130	30
Hexachlorocyclopentadiene	ND	73	79	7.9	70	65	7.4	30 - 130	30
Hexachloroethane	ND	81	85	4.8	80	84	4.9	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	93	98	5.2	96	98	2.1	30 - 130	30
Isophorone	ND	88	92	4.4	90	92	2.2	30 - 130	30
Naphthalene	ND	81	84	3.6	83	85	2.4	30 - 130	30
Nitrobenzene	ND	84	88	4.7	85	88	3.5	30 - 130	30
N-Nitrosodimethylamine	ND	86	90	4.5	83	83	0.0	30 - 130	30
N-Nitrosodi-n-propylamine	ND	94	95	1.1	91	90	1.1	30 - 130	30
N-Nitrosodiphenylamine	ND	104	112	7.4	110	113	2.7	30 - 130	30
Pentachloronitrobenzene	ND	95	97	2.1	97	103	6.0	30 - 130	30
Pentachlorophenol	ND	52	65	22.2	91	92	1.1	30 - 130	30
Phenanthrene	ND	92	96	4.3	98	102	4.0	30 - 130	30
Phenol	ND	91	94	3.2	93	94	1.1	30 - 130	30
Pyrene	ND	89	98	9.6	99	108	8.7	30 - 130	30
Pyridine	ND	67	71	5.8	62	70	12.1	30 - 130	30
% 2,4,6-Tribromophenol	105	96	97	1.0	106	109	2.8	30 - 130	30
% 2-Fluorobiphenyl	91	86	88	2.3	90	94	4.3	30 - 130	30
% 2-Fluorophenol	92	84	84	0.0	85	87	2.3	30 - 130	30
% Nitrobenzene-d5	93	85	86	1.2	86	87	1.2	30 - 130	30
% Phenol-d5	98	89	90	1.1	91	93	2.2	30 - 130	30
% Terphenyl-d14	112	103	110	6.6	116	127	9.1	30 - 130	30

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 274925, QC Sample No: BG46452 (BG46447, BG46448, BG46450, BG46451, BG46452 (50, 1X) , BG46453, BG46454)

Volatiles - Solid

1,1,1,2-Tetrachloroethane	ND	112	108	3.6	103	102	1.0	70 - 130	30
1,1,1-Trichloroethane	ND	118	106	10.7	104	103	1.0	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	112	103	8.4	96	99	3.1	70 - 130	30
1,1,2-Trichloroethane	ND	118	111	6.1	103	101	2.0	70 - 130	30
1,1-Dichloroethane	ND	119	108	9.7	103	100	3.0	70 - 130	30
1,1-Dichloroethene	ND	114	100	13.1	95	94	1.1	70 - 130	30
1,1-Dichloropropene	ND	110	99	10.5	100	101	1.0	70 - 130	30
1,2,3-Trichlorobenzene	ND	110	102	7.5	98	104	5.9	70 - 130	30

QA/QC Data

SDG I.D.: GBG46447

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2,3-Trichloropropane	ND	115	104	10.0	90	96	6.5	70 - 130	30	
1,2,4-Trichlorobenzene	ND	107	100	6.8	103	107	3.8	70 - 130	30	
1,2,4-Trimethylbenzene	ND	116	105	10.0	103	104	1.0	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	120	110	8.7	91	94	3.2	70 - 130	30	
1,2-Dibromoethane	ND	114	109	4.5	100	102	2.0	70 - 130	30	
1,2-Dichlorobenzene	ND	113	104	8.3	104	104	0.0	70 - 130	30	
1,2-Dichloroethane	ND	115	107	7.2	104	103	1.0	70 - 130	30	
1,2-Dichloropropane	ND	116	104	10.9	104	103	1.0	70 - 130	30	
1,3,5-Trimethylbenzene	ND	117	105	10.8	104	106	1.9	70 - 130	30	
1,3-Dichlorobenzene	ND	111	100	10.4	104	105	1.0	70 - 130	30	
1,3-Dichloropropane	ND	111	104	6.5	100	100	0.0	70 - 130	30	
1,4-Dichlorobenzene	ND	108	98	9.7	102	103	1.0	70 - 130	30	
2,2-Dichloropropane	ND	109	100	8.6	100	98	2.0	70 - 130	30	
2-Chlorotoluene	ND	113	101	11.2	103	104	1.0	70 - 130	30	
2-Hexanone	ND	111	108	2.7	80	79	1.3	70 - 130	30	
2-Isopropyltoluene	ND	116	105	10.0	104	105	1.0	70 - 130	30	
4-Chlorotoluene	ND	114	104	9.2	103	102	1.0	70 - 130	30	
4-Methyl-2-pentanone	ND	123	117	5.0	97	96	1.0	70 - 130	30	
Acetone	ND	109	108	0.9	62	61	1.6	70 - 130	30	m
Acrylonitrile	ND	118	110	7.0	96	99	3.1	70 - 130	30	
Benzene	ND	113	104	8.3	103	101	2.0	70 - 130	30	
Bromobenzene	ND	116	105	10.0	103	103	0.0	70 - 130	30	
Bromochloromethane	ND	116	104	10.9	104	103	1.0	70 - 130	30	
Bromodichloromethane	ND	113	110	2.7	107	105	1.9	70 - 130	30	
Bromoform	ND	122	122	0.0	98	98	0.0	70 - 130	30	
Bromomethane	ND	112	102	9.3	83	78	6.2	70 - 130	30	
Carbon Disulfide	ND	103	92	11.3	93	91	2.2	70 - 130	30	
Carbon tetrachloride	ND	114	104	9.2	102	98	4.0	70 - 130	30	
Chlorobenzene	ND	112	104	7.4	105	105	0.0	70 - 130	30	
Chloroethane	ND	118	106	10.7	41	40	2.5	70 - 130	30	m
Chloroform	ND	114	104	9.2	105	103	1.9	70 - 130	30	
Chloromethane	ND	113	102	10.2	103	99	4.0	70 - 130	30	
cis-1,2-Dichloroethene	ND	117	105	10.8	102	102	0.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	115	107	7.2	105	103	1.9	70 - 130	30	
Dibromochloromethane	ND	117	115	1.7	103	102	1.0	70 - 130	30	
Dibromomethane	ND	116	108	7.1	104	102	1.9	70 - 130	30	
Dichlorodifluoromethane	ND	124	112	10.2	99	96	3.1	70 - 130	30	
Ethylbenzene	ND	111	104	6.5	103	103	0.0	70 - 130	30	
Hexachlorobutadiene	ND	116	102	12.8	105	108	2.8	70 - 130	30	
Isopropylbenzene	ND	119	102	15.4	103	102	1.0	70 - 130	30	
m&p-Xylene	ND	110	103	6.6	102	104	1.9	70 - 130	30	
Methyl ethyl ketone	ND	102	96	6.1	80	83	3.7	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	114	107	6.3	101	98	3.0	70 - 130	30	
Methylene chloride	ND	107	97	9.8	95	94	1.1	70 - 130	30	
Naphthalene	ND	116	109	6.2	96	102	6.1	70 - 130	30	
n-Butylbenzene	ND	119	106	11.6	108	108	0.0	70 - 130	30	
n-Propylbenzene	ND	118	106	10.7	103	103	0.0	70 - 130	30	
o-Xylene	ND	120	111	7.8	105	106	0.9	70 - 130	30	
p-Isopropyltoluene	ND	116	105	10.0	105	106	0.9	70 - 130	30	
sec-Butylbenzene	ND	113	99	13.2	101	103	2.0	70 - 130	30	
Styrene	ND	120	111	7.8	106	105	0.9	70 - 130	30	
tert-Butylbenzene	ND	117	106	9.9	102	103	1.0	70 - 130	30	
Tetrachloroethene	ND	112	103	8.4	102	104	1.9	70 - 130	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Tetrahydrofuran (THF)	ND	114	102	11.1	96	95	1.0	70 - 130	30	
Toluene	ND	114	104	9.2	103	102	1.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	114	104	9.2	100	100	0.0	70 - 130	30	
trans-1,3-Dichloropropene	ND	111	106	4.6	108	104	3.8	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	118	108	8.8	96	97	1.0	70 - 130	30	
Trichloroethene	ND	117	105	10.8	102	101	1.0	70 - 130	30	
Trichlorofluoromethane	ND	117	104	11.8	64	60	6.5	70 - 130	30	m
Trichlorotrifluoroethane	ND	122	104	15.9	106	98	7.8	70 - 130	30	
Vinyl chloride	ND	117	106	9.9	100	100	0.0	70 - 130	30	
% 1,2-dichlorobenzene-d4	97	101	100	1.0	101	102	1.0	70 - 130	30	
% Bromofluorobenzene	99	99	103	4.0	102	103	1.0	70 - 130	30	
% Dibromofluoromethane	99	99	96	3.1	95	97	2.1	70 - 130	30	
% Toluene-d8	97	101	101	0.0	103	101	2.0	70 - 130	30	

Comment:

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

QA/QC Batch 274840, QC Sample No: BG46458 (BG46447, BG46448, BG46449, BG46450, BG46451, BG46452, BG46453, BG46454)

Pesticides - Solid

4,4' -DDD	ND	105	106	0.9	140	>140	NC	40 - 140	30	m
4,4' -DDE	ND	96	94	2.1	121	138	13.1	40 - 140	30	
4,4' -DDT	ND	93	91	2.2	127	>140	NC	40 - 140	30	m
a-BHC	ND	85	85	0.0	105	114	8.2	40 - 140	30	
a-Chlordane	ND	90	86	4.5	105	119	12.5	40 - 140	30	
Aldrin	ND	86	83	3.6	95	107	11.9	40 - 140	30	
b-BHC	ND	85	85	0.0	108	115	6.3	40 - 140	30	
Chlordane	ND	89	85	4.6	105	118	11.7	40 - 140	30	
d-BHC	ND	66	65	1.5	86	92	6.7	40 - 140	30	
Dieldrin	ND	92	88	4.4	109	121	10.4	40 - 140	30	
Endosulfan I	ND	86	81	6.0	108	115	6.3	40 - 140	30	
Endosulfan II	ND	63	59	6.6	109	115	5.4	40 - 140	30	
Endosulfan sulfate	ND	63	69	9.1	90	91	1.1	40 - 140	30	
Endrin	ND	91	89	2.2	109	118	7.9	40 - 140	30	
Endrin aldehyde	ND	54	51	5.7	86	89	3.4	40 - 140	30	
Endrin ketone	ND	80	86	7.2	109	111	1.8	40 - 140	30	
g-BHC	ND	83	82	1.2	105	114	8.2	40 - 140	30	
g-Chlordane	ND	89	85	4.6	105	118	11.7	40 - 140	30	
Heptachlor	ND	85	84	1.2	99	109	9.6	40 - 140	30	
Heptachlor epoxide	ND	89	86	3.4	108	117	8.0	40 - 140	30	
Methoxychlor	ND	103	104	1.0	136	>140	NC	40 - 140	30	m
Toxaphene	ND	NA	NA	NC	NA	NA	NC	40 - 140	30	
% DCBP	100	89	89	0.0	98	107	8.8	30 - 150	30	
% TCMX	93	85	85	0.0	95	103	8.1	30 - 150	30	

Comment:

Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane. Gamma chlordane recovery is reported in the LCS, LCSD, MS and MSD. MS and MSD recoveries > 140% were observed for some compounds due to the presence of Pesticides in the

QA/QC Batch 274839, QC Sample No: BG46458 (BG46447, BG46448, BG46449, BG46450, BG46451, BG46452, BG46453, BG46454)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	102	90	12.5	96	96	0.0	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30

QA/QC Data

SDG I.D.: GBG46447

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
PCB-1248	ND							40 - 140	30	
PCB-1254	ND							40 - 140	30	
PCB-1260	ND	102	95	7.1	102	101	1.0	40 - 140	30	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	
% DCBP (Surrogate Rec)	75	100	97	3.0	101	99	2.0	30 - 150	30	
% TCMX (Surrogate Rec)	67	97	93	4.2	97	96	1.0	30 - 150	30	

QA/QC Batch 275022, QC Sample No: BG46871 (BG46447 (50X) , BG46449 (50X))

Volatiles - Solid

1,2,3-Trichlorobenzene	ND	87	92	5.6	91	99	8.4	70 - 130	30	
1,2,3-Trichloropropane	ND	105	101	3.9	100	105	4.9	70 - 130	30	
1,2,4-Trichlorobenzene	ND	78	84	7.4	84	92	9.1	70 - 130	30	
1,2,4-Trimethylbenzene	ND	89	95	6.5	89	94	5.5	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	110	107	2.8	109	111	1.8	70 - 130	30	
1,2-Dichlorobenzene	ND	96	96	0.0	96	98	2.1	70 - 130	30	
1,3,5-Trimethylbenzene	ND	90	95	5.4	88	94	6.6	70 - 130	30	
1,3-Dichlorobenzene	ND	87	90	3.4	88	95	7.7	70 - 130	30	
1,4-Dichlorobenzene	ND	86	88	2.3	86	91	5.6	70 - 130	30	
2-Chlorotoluene	ND	92	94	2.2	91	95	4.3	70 - 130	30	
2-Isopropyltoluene	ND	91	95	4.3	92	96	4.3	70 - 130	30	
4-Chlorotoluene	ND	90	93	3.3	86	92	6.7	70 - 130	30	
Bromobenzene	ND	99	99	0.0	97	98	1.0	70 - 130	30	
Hexachlorobutadiene	ND	63	90	35.3	74	83	11.5	70 - 130	30	l,r
Isopropylbenzene	ND	92	96	4.3	91	96	5.3	70 - 130	30	
Naphthalene	ND	107	107	0.0	107	111	3.7	70 - 130	30	
n-Butylbenzene	ND	70	91	26.1	73	84	14.0	70 - 130	30	
n-Propylbenzene	ND	87	93	6.7	83	92	10.3	70 - 130	30	
p-Isopropyltoluene	ND	80	92	14.0	81	90	10.5	70 - 130	30	
sec-Butylbenzene	ND	79	90	13.0	83	90	8.1	70 - 130	30	
tert-Butylbenzene	ND	91	97	6.4	91	95	4.3	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	109	107	1.9	101	104	2.9	70 - 130	30	
% 1,2-dichlorobenzene-d4	97	101	104	2.9	101	103	2.0	70 - 130	30	
% Bromofluorobenzene	98	103	102	1.0	101	103	2.0	70 - 130	30	

Comment:

A blank MS/MSD was analyzed with this batch.

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

QA/QC Batch 275168, QC Sample No: BG48062 (BG46449, BG46453 (50X))

Volatiles - Solid

1,1,1,2-Tetrachloroethane	ND	108	110	1.8	104	108	3.8	70 - 130	30
1,1,1-Trichloroethane	ND	99	98	1.0	97	98	1.0	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	111	115	3.5	112	111	0.9	70 - 130	30
1,1,2-Trichloroethane	ND	106	104	1.9	99	99	0.0	70 - 130	30
1,1-Dichloroethane	ND	99	98	1.0	95	96	1.0	70 - 130	30
1,1-Dichloroethene	ND	92	93	1.1	95	95	0.0	70 - 130	30
1,1-Dichloropropene	ND	89	88	1.1	93	95	2.1	70 - 130	30
1,2,3-Trichlorobenzene	ND	108	107	0.9	92	87	5.6	70 - 130	30
1,2,3-Trichloropropane	ND	110	110	0.0	107	104	2.8	70 - 130	30
1,2,4-Trichlorobenzene	ND	107	111	3.7	98	91	7.4	70 - 130	30
1,2,4-Trimethylbenzene	ND	111	113	1.8	110	108	1.8	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	102	105	2.9	101	95	6.1	70 - 130	30
1,2-Dibromoethane	ND	102	103	1.0	98	97	1.0	70 - 130	30

QA/QC Data

SDG I.D.: GBG46447

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2-Dichlorobenzene	ND	113	112	0.9	109	104	4.7	70 - 130	30	
1,2-Dichloroethane	ND	102	102	0.0	101	100	1.0	70 - 130	30	
1,2-Dichloropropane	ND	99	99	0.0	96	98	2.1	70 - 130	30	
1,3,5-Trimethylbenzene	ND	110	110	0.0	111	110	0.9	70 - 130	30	
1,3-Dichlorobenzene	ND	109	111	1.8	108	105	2.8	70 - 130	30	
1,3-Dichloropropane	ND	107	108	0.9	101	105	3.9	70 - 130	30	
1,4-Dichlorobenzene	ND	110	111	0.9	107	104	2.8	70 - 130	30	
2,2-Dichloropropane	ND	90	89	1.1	87	88	1.1	70 - 130	30	
2-Chlorotoluene	ND	108	107	0.9	109	109	0.0	70 - 130	30	
2-Hexanone	ND	112	113	0.9	77	74	4.0	70 - 130	30	
2-Isopropyltoluene	ND	105	106	0.9	109	108	0.9	70 - 130	30	
4-Chlorotoluene	ND	110	112	1.8	109	106	2.8	70 - 130	30	
4-Methyl-2-pentanone	ND	108	109	0.9	89	89	0.0	70 - 130	30	
Acetone	ND	141	138	2.2	68	67	1.5	70 - 130	30	l,m
Acrylonitrile	ND	100	101	1.0	96	92	4.3	70 - 130	30	
Benzene	ND	95	95	0.0	95	96	1.0	70 - 130	30	
Bromobenzene	ND	110	111	0.9	111	108	2.7	70 - 130	30	
Bromochloromethane	ND	100	99	1.0	99	99	0.0	70 - 130	30	
Bromodichloromethane	ND	101	99	2.0	103	100	3.0	70 - 130	30	
Bromoform	ND	119	119	0.0	108	109	0.9	70 - 130	30	
Bromomethane	ND	94	99	5.2	94	97	3.1	70 - 130	30	
Carbon Disulfide	ND	82	82	0.0	91	92	1.1	70 - 130	30	
Carbon tetrachloride	ND	96	94	2.1	96	98	2.1	70 - 130	30	
Chlorobenzene	ND	106	108	1.9	106	103	2.9	70 - 130	30	
Chloroethane	ND	96	98	2.1	98	98	0.0	70 - 130	30	
Chloroform	ND	99	97	2.0	100	99	1.0	70 - 130	30	
Chloromethane	ND	86	85	1.2	82	82	0.0	70 - 130	30	
cis-1,2-Dichloroethene	ND	99	100	1.0	98	96	2.1	70 - 130	30	
cis-1,3-Dichloropropene	ND	99	97	2.0	97	97	0.0	70 - 130	30	
Dibromochloromethane	ND	112	110	1.8	105	108	2.8	70 - 130	30	
Dibromomethane	ND	101	104	2.9	103	100	3.0	70 - 130	30	
Dichlorodifluoromethane	ND	79	81	2.5	71	70	1.4	70 - 130	30	
Ethylbenzene	ND	103	106	2.9	101	105	3.9	70 - 130	30	
Hexachlorobutadiene	ND	107	111	3.7	99	102	3.0	70 - 130	30	
Isopropylbenzene	ND	109	109	0.0	108	107	0.9	70 - 130	30	
m&p-Xylene	ND	103	105	1.9	101	104	2.9	70 - 130	30	
Methyl ethyl ketone	ND	109	108	0.9	74	75	1.3	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	97	93	4.2	93	89	4.4	70 - 130	30	
Methylene chloride	ND	93	93	0.0	94	91	3.2	70 - 130	30	
Naphthalene	ND	104	106	1.9	93	89	4.4	70 - 130	30	
n-Butylbenzene	ND	114	117	2.6	109	108	0.9	70 - 130	30	
n-Propylbenzene	ND	110	112	1.8	111	108	2.7	70 - 130	30	
o-Xylene	ND	111	112	0.9	104	106	1.9	70 - 130	30	
p-Isopropyltoluene	ND	109	111	1.8	110	107	2.8	70 - 130	30	
sec-Butylbenzene	ND	104	105	1.0	107	105	1.9	70 - 130	30	
Styrene	ND	113	114	0.9	100	100	0.0	70 - 130	30	
tert-Butylbenzene	ND	108	108	0.0	109	108	0.9	70 - 130	30	
Tetrachloroethene	ND	104	105	1.0	101	101	0.0	70 - 130	30	
Tetrahydrofuran (THF)	ND	95	95	0.0	93	88	5.5	70 - 130	30	
Toluene	ND	97	98	1.0	96	95	1.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	94	93	1.1	95	96	1.0	70 - 130	30	
trans-1,3-Dichloropropene	ND	98	101	3.0	98	98	0.0	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	94	97	3.1	86	84	2.4	70 - 130	30	

QA/QC Data

SDG I.D.: GBG46447

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Trichloroethene	ND	95	95	0.0	92	94	2.2	70 - 130	30
Trichlorofluoromethane	ND	95	95	0.0	94	97	3.1	70 - 130	30
Trichlorotrifluoroethane	ND	95	95	0.0	98	98	0.0	70 - 130	30
Vinyl chloride	ND	90	90	0.0	85	85	0.0	70 - 130	30
% 1,2-dichlorobenzene-d4	101	99	100	1.0	98	97	1.0	70 - 130	30
% Bromofluorobenzene	94	97	86	12.0	96	95	1.0	70 - 130	30
% Dibromofluoromethane	96	103	99	4.0	95	98	3.1	70 - 130	30
% Toluene-d8	97	98	99	1.0	100	98	2.0	70 - 130	30

Comment:

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

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
May 28, 2014

Sample Criteria Exceedences Report

GBG46447 - EBC

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG46447	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	4900	1300	1000	1000	ug/Kg
BG46447	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	4500	1300	1000	1000	ug/Kg
BG46447	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	2200	1300	500	500	ug/Kg
BG46447	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	3900	1300	1000	1000	ug/Kg
BG46447	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	1300	330	330	ug/Kg
BG46447	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	5800	1300	1000	1000	ug/Kg
BG46447	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1600	1300	1000	1000	ug/Kg
BG46447	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2200	1300	500	500	ug/Kg
BG46447	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	1300	330	330	ug/Kg
BG46447	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	4900	1300	3900	3900	ug/Kg
BG46447	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	4500	1300	1000	1000	ug/Kg
BG46447	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	5800	1300	1000	1000	ug/Kg
BG46447	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	3900	1300	1000	1000	ug/Kg
BG46447	$8270SMRDP	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1300	330	330	ug/Kg
BG46447	$8270SMRDP	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1300	800	800	ug/Kg
BG46447	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2200	1300	500	500	ug/Kg
BG46447	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4900	1300	1000	1000	ug/Kg
BG46447	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1300	330	330	ug/Kg
BG46447	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5800	1300	1000	1000	ug/Kg
BG46447	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3900	1300	1000	1000	ug/Kg
BG46447	$8270SMRDP	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1300	330	330	ug/Kg
BG46447	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1600	1300	800	800	ug/Kg
BG46447	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4500	1300	1000	1000	ug/Kg
BG46447	$PCB_SMRDP	PCB-1248	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	270	38	100	100	ug/Kg
BG46447	$PESTSMDPR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	56	2.7	3.3	3.3	ug/Kg
BG46447	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	254	6.8	63	63	mg/Kg
BG46447	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	172	6.8	109	109	mg/Kg
BG46449	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	4500	260	500	500	ug/Kg
BG46449	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	9700	1300	1000	1000	ug/Kg
BG46449	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	9100	1300	1000	1000	ug/Kg
BG46449	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	12000	1300	1000	1000	ug/Kg
BG46449	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	9100	1300	1000	1000	ug/Kg
BG46449	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	4300	1300	1000	1000	ug/Kg
BG46449	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	4500	260	500	500	ug/Kg
BG46449	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	9100	1300	1000	1000	ug/Kg
BG46449	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	9100	1300	3900	3900	ug/Kg
BG46449	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	4300	1300	3900	3900	ug/Kg
BG46449	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	12000	1300	1000	1000	ug/Kg
BG46449	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	9700	1300	1000	1000	ug/Kg
BG46449	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4300	1300	800	800	ug/Kg
BG46449	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	9700	1300	1000	1000	ug/Kg

Sample Criteria Exceedences Report

GBG46447 - EBC

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG46449	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	9100	1300	1000	1000	ug/Kg
BG46449	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	9100	1300	1000	1000	ug/Kg
BG46449	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4500	260	500	500	ug/Kg
BG46449	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	12000	1300	1000	1000	ug/Kg
BG46449	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	52.4	0.36	50	50	mg/kg
BG46449	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	1.08	0.08	0.81	0.81	mg/Kg
BG46449	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	1.08	0.08	0.81	0.81	mg/Kg
BG46449	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.08	0.08	0.18	0.18	mg/Kg
BG46449	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	801	7.2	400	400	mg/Kg
BG46449	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	801	7.2	400	400	mg/Kg
BG46449	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	801	7.2	63	63	mg/Kg
BG46449	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	272	7.2	109	109	mg/Kg
BG46453	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	322	7.4	63	63	mg/Kg
BG46453	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	135	0.7	109	109	mg/Kg

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

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

May 28, 2014

SDG I.D.: GBG46447

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

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

PHOENIX Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

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

Contact Options:
☐ Fax:
☐ Phone:
☑ Email: CSOSIK@elsuncorp.com

Customer: EBC
Address: Ridge NJ

Project: 26 West St Brooklyn NY
Report to:
Invoice to:

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 5-19

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

Analysis Request

PHOENIX USE ONLY SAMPLE#	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOC 8260	SVOC 8270	Pest/PCB	TAL metals	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container (2) oz	GL Soil container (8) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
46447	B1 0-2	S	5-19	700	✓	✓	✓	✓			1	1						
46448	B1 10-12			720														
46449	B2 0-2			740														
46450	B2 10-12			800														
46451	B3 0-2			820														
46452	B3 10-12			840														
46453	B4 0-2			900														
46454	B4 10-12			920														
* 46455	B5 0-2			940														
* 46456	B5 10-12			1000														

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	5-20-14	11:46
	[signature] PHL	5-20-14	15:14

Comments, Special Requirements or Regulations:
* Did not receive samples (TF)
Emailed client 5/20/14 (SW)
see attached.

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

GBG 46447

Shannon - Phoenixlabs

From: Kevin Waters [kwaters@ebcincny.com]
Sent: Wednesday, May 21, 2014 07:38 AM
To: Kevin Brussee
Cc: Kristen DiScenza; Sunny Chen; Shannon - Phoenixlabs
Subject: Re: 26 WEST ST BROOKLYN

Shannon

I apologize. There was no B5 0-2 or 10-12 collected. You can omit them from the chain.

On May 21, 2014, at 7:29 AM, Kevin Brussee <kbrussee@ebcincny.com> wrote:

Anyone know anything about this?

Kevin Brussee
Senior Project Manager
EBC
Environmental Business Consultants
Ph: 631.504.6000 ext. 114
Fax: 631.924.2870
Cell: 631.338.1749
Kbrussee@ebcincny.com

From: Shannon - Phoenixlabs [mailto:shannon@phoenixlabs.com]
Sent: Tuesday, May 20, 2014 5:24 PM
To: 'Kevin Brussee'
Subject: 26 WEST ST BROOKLYN

Good Afternoon,
We received samples today but we were missing jars for your sample id's B5 0-2 & B5 10-12 so we will not be able to report any analyses on these. Please let me know if you have any questions. Thank you.

Shannon Wilhelm
Phoenix Environmental Labs

PHOENIX
Environmental Laboratories, Inc.

Monday, August 04, 2014

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

Project ID: 26 WEST ST BROOKLYN NY
Sample ID#s: BG83045 - BG83049

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

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

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

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

Sincerely yours,

Phyllis Shiller
Laboratory Director

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

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

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

NY # 11301

SDG Comments

August 04, 2014

SDG I.D.: GBG83045

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.

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 04, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		07/25/14	15:00
Location Code:	EBC	Received by:	SW	07/28/14	18:40
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG83045
Phoenix ID: BG83045

Project ID: 26 WEST ST BROOKLYN NY
Client ID: B1

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver (Dissolved)	< 0.005	N	0.005	0.001	mg/L	07/31/14	LK	SW6010
Aluminum (Dissolved)	0.15	*	0.01	0.0026	mg/L	07/31/14	LK	SW6010
Arsenic, (Dissolved)	< 0.003	*	0.003	0.001	mg/L	07/31/14	LK	SW6010
Barium (Dissolved)	0.212		0.011	0.001	mg/L	07/31/14	LK	SW6010
Beryllium (Dissolved)	< 0.001		0.001	0.001	mg/L	07/31/14	LK	SW6010
Calcium (Dissolved)	497		0.11	0.032	mg/L	07/30/14	LK	SW6010
Cadmium (Dissolved)	< 0.004		0.004	0.0005	mg/L	07/31/14	LK	SW6010
Cobalt, (Dissolved)	0.004	B	0.005	0.001	mg/L	07/31/14	LK	SW6010
Chromium (Dissolved)	< 0.001		0.001	0.001	mg/L	07/31/14	LK	SW6010
Copper, (Dissolved)	0.001	B*	0.005	0.001	mg/L	07/31/14	LK	SW6010
Iron, (Dissolved)	0.07		0.01	0.01	mg/L	07/31/14	LK	SW6010
Mercury (Dissolved)	< 0.0002		0.0002	0.00015	mg/L	07/29/14	MA	SW7470
Potassium (Dissolved)	22.3		0.1	0.1	mg/L	07/31/14	LK	SW6010
Magnesium (Dissolved)	26.6		0.01	0.001	mg/L	07/31/14	LK	SW6010
Manganese, (Dissolved)	1.21		0.005	0.001	mg/L	07/31/14	LK	SW6010
Sodium (Dissolved)	249		1.1	1.1	mg/L	07/30/14	LK	SW6010
Nickel, (Dissolved)	0.006		0.004	0.001	mg/L	07/31/14	LK	SW6010
Lead (Dissolved)	< 0.002		0.002	0.001	mg/L	07/31/14	LK	SW6010
Antimony, (Dissolved)	< 0.003		0.003	0.003	mg/L	07/30/14	RS	7010
Selenium, (Dissolved)	< 0.004		0.004	0.002	mg/L	07/30/14	T/R	7010
Thallium , (Dissolved)	< 0.001		0.001	0.001	mg/L	07/29/14	RS	7010
Vanadium, (Dissolved)	0.001	B*	0.011	0.001	mg/L	07/31/14	LK	SW6010
Zinc, (Dissolved)	0.011	B	0.011	0.001	mg/L	07/31/14	LK	SW6010
Filtration	Completed					07/28/14	TH	0.45um Filter
Dissolved Mercury Digestion	Completed					07/29/14	I/I	SW7470
PCB Extraction (2 Liter)	Completed					07/28/14	L	SW3510
Extraction for Pest (2 Liter)	Completed					07/28/14	L	SW3510
Semi-Volatile Extraction	Completed					07/28/14	E/X	SW3520

Project ID: 26 WEST ST BROOKLYN NY
Client ID: B1

Phoenix I.D.: BG83045

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Dissolved Metals Preparation	Completed				07/28/14	TH	SW846-3005	
Pesticides								
4,4' -DDD	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
4,4' -DDE	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
4,4' -DDT	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
a-BHC	ND	0.005	0.005	ug/L	07/30/14	CE	SW8081	
a-chlordane	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
Alachlor	ND	0.075	0.075	ug/L	07/30/14	CE	SW8081	1
Aldrin	ND	0.002	0.002	ug/L	07/30/14	CE	SW8081	
b-BHC	ND	0.012	0.012	ug/L	07/30/14	CE	SW8081	
Chlordane	ND	0.030	0.030	ug/L	07/30/14	CE	SW8081	
d-BHC	ND	0.005	0.005	ug/L	07/30/14	CE	SW8081	
Dieldrin	ND	0.002	0.002	ug/L	07/30/14	CE	SW8081	
Endosulfan I	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
Endosulfan II	ND	0.017	0.017	ug/L	07/30/14	CE	SW8081	
Endosulfan Sulfate	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
Endrin	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
Endrin Aldehyde	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
Endrin ketone	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
g-BHC (Lindane)	ND	0.005	0.005	ug/L	07/30/14	CE	SW8081	
g-chlordane	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
Heptachlor	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
Heptachlor epoxide	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
Methoxychlor	ND	0.10	0.10	ug/L	07/30/14	CE	SW8081	
Toxaphene	ND	0.20	0.20	ug/L	07/30/14	CE	SW8081	
QA/QC Surrogates								
%DCBP (Surrogate Rec)	64			%	07/30/14	CE	SW8081	
%TCMX (Surrogate Rec)	97			%	07/30/14	CE	SW8081	
Polychlorinated Biphenyls								
PCB-1016	ND	0.050	0.050	ug/L	07/30/14	AW	608/ 8082	
PCB-1221	ND	0.050	0.050	ug/L	07/30/14	AW	608/ 8082	
PCB-1232	ND	0.050	0.050	ug/L	07/30/14	AW	608/ 8082	
PCB-1242	ND	0.050	0.050	ug/L	07/30/14	AW	608/ 8082	
PCB-1248	ND	0.050	0.050	ug/L	07/30/14	AW	608/ 8082	
PCB-1254	ND	0.050	0.050	ug/L	07/30/14	AW	608/ 8082	
PCB-1260	ND	0.050	0.050	ug/L	07/30/14	AW	608/ 8082	
PCB-1262	ND	0.050	0.050	ug/L	07/30/14	AW	608/ 8082	
PCB-1268	ND	0.050	0.050	ug/L	07/30/14	AW	608/ 8082	
QA/QC Surrogates								
% DCBP	70			%	07/30/14	AW	608/ 8082	
% TCMX	84			%	07/30/14	AW	608/ 8082	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/L	07/30/14	HM	SW8260	
1,1,1-Trichloroethane	ND	5.0	0.19	ug/L	07/30/14	HM	SW8260	
1,1,2,2-Tetrachloroethane	ND	1.0	0.15	ug/L	07/30/14	HM	SW8260	
1,1,2-Trichloroethane	ND	1.0	0.20	ug/L	07/30/14	HM	SW8260	
1,1-Dichloroethane	ND	5.0	0.23	ug/L	07/30/14	HM	SW8260	

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Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND		1.0	0.24	ug/L	07/30/14	HM	SW8260	
1,1-Dichloropropene	ND		1.0	0.20	ug/L	07/30/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		1.0	0.20	ug/L	07/30/14	HM	SW8260	B
1,2,3-Trichloropropane	ND		1.0	0.21	ug/L	07/30/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		1.0	0.18	ug/L	07/30/14	HM	SW8260	B
1,2,4-Trimethylbenzene	ND		1.0	0.18	ug/L	07/30/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		1.0	0.36	ug/L	07/30/14	HM	SW8260	
1,2-Dibromoethane	ND		1.0	0.20	ug/L	07/30/14	HM	SW8260	
1,2-Dichlorobenzene	ND		1.0	0.16	ug/L	07/30/14	HM	SW8260	
1,2-Dichloroethane	ND		0.60	0.20	ug/L	07/30/14	HM	SW8260	
1,2-Dichloropropane	ND		1.0	0.18	ug/L	07/30/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		1.0	0.21	ug/L	07/30/14	HM	SW8260	
1,3-Dichlorobenzene	ND		5.0	0.19	ug/L	07/30/14	HM	SW8260	
1,3-Dichloropropane	ND		1.0	0.22	ug/L	07/30/14	HM	SW8260	
1,4-Dichlorobenzene	ND		5.0	0.19	ug/L	07/30/14	HM	SW8260	
2,2-Dichloropropane	ND		1.0	0.16	ug/L	07/30/14	HM	SW8260	
2-Chlorotoluene	ND		1.0	0.23	ug/L	07/30/14	HM	SW8260	
2-Hexanone	ND		1.0	0.27	ug/L	07/30/14	HM	SW8260	
2-Isopropyltoluene	ND		1.0	0.21	ug/L	07/30/14	HM	SW8260	1
4-Chlorotoluene	ND		1.0	0.16	ug/L	07/30/14	HM	SW8260	
4-Methyl-2-pentanone	ND		1.0	0.19	ug/L	07/30/14	HM	SW8260	
Acetone	2.1	JS	5.0	0.31	ug/L	07/30/14	HM	SW8260	B*
Acrolein	ND		5.0	0.95	ug/L	07/30/14	HM	SW8260	
Acrylonitrile	ND		5.0	0.17	ug/L	07/30/14	HM	SW8260	
Benzene	ND		0.70	0.19	ug/L	07/30/14	HM	SW8260	
Bromobenzene	ND		1.0	0.20	ug/L	07/30/14	HM	SW8260	
Bromochloromethane	ND		1.0	0.22	ug/L	07/30/14	HM	SW8260	
Bromodichloromethane	ND		1.0	0.16	ug/L	07/30/14	HM	SW8260	
Bromoform	ND		5.0	0.10	ug/L	07/30/14	HM	SW8260	
Bromomethane	ND		5.0	0.50	ug/L	07/30/14	HM	SW8260	
Carbon Disulfide	ND		1.0	0.24	ug/L	07/30/14	HM	SW8260	
Carbon tetrachloride	ND		1.0	0.23	ug/L	07/30/14	HM	SW8260	
Chlorobenzene	ND		5.0	0.20	ug/L	07/30/14	HM	SW8260	
Chloroethane	ND		5.0	0.24	ug/L	07/30/14	HM	SW8260	
Chloroform	ND		5.0	0.22	ug/L	07/30/14	HM	SW8260	
Chloromethane	ND		5.0	0.21	ug/L	07/30/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L	07/30/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		0.40	0.15	ug/L	07/30/14	HM	SW8260	
Dibromochloromethane	ND		1.0	0.15	ug/L	07/30/14	HM	SW8260	
Dibromomethane	ND		1.0	0.23	ug/L	07/30/14	HM	SW8260	
Dichlorodifluoromethane	ND		1.0	0.26	ug/L	07/30/14	HM	SW8260	
Ethylbenzene	ND		1.0	0.19	ug/L	07/30/14	HM	SW8260	
Hexachlorobutadiene	ND		1.0	0.13	ug/L	07/30/14	HM	SW8260	
Isopropylbenzene	ND		1.0	0.22	ug/L	07/30/14	HM	SW8260	
m&p-Xylene	ND		1.0	0.42	ug/L	07/30/14	HM	SW8260	
Methyl ethyl ketone	ND		1.0	0.50	ug/L	07/30/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		1.0	0.19	ug/L	07/30/14	HM	SW8260	
Methylene chloride	ND		3.0	0.16	ug/L	07/30/14	HM	SW8260	
Naphthalene	ND		1.0	0.19	ug/L	07/30/14	HM	SW8260	B

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
n-Butylbenzene	ND	1.0	0.22	ug/L	07/30/14	HM	SW8260	
n-Propylbenzene	ND	1.0	0.20	ug/L	07/30/14	HM	SW8260	
o-Xylene	ND	1.0	0.45	ug/L	07/30/14	HM	SW8260	
p-Isopropyltoluene	ND	1.0	0.21	ug/L	07/30/14	HM	SW8260	
sec-Butylbenzene	ND	1.0	0.22	ug/L	07/30/14	HM	SW8260	
Styrene	ND	1.0	0.41	ug/L	07/30/14	HM	SW8260	
tert-Butylbenzene	ND	1.0	0.23	ug/L	07/30/14	HM	SW8260	
Tetrachloroethene	ND	1.0	0.24	ug/L	07/30/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	5.0	0.51	ug/L	07/30/14	HM	SW8260	1
Toluene	ND	1.0	0.20	ug/L	07/30/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	5.0	0.20	ug/L	07/30/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	0.40	0.14	ug/L	07/30/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	1.0	0.45	ug/L	07/30/14	HM	SW8260	
Trichloroethene	ND	1.0	0.18	ug/L	07/30/14	HM	SW8260	
Trichlorofluoromethane	ND	1.0	0.23	ug/L	07/30/14	HM	SW8260	
Trichlorotrifluoroethane	ND	1.0	0.23	ug/L	07/30/14	HM	SW8260	
Vinyl chloride	ND	1.0	0.14	ug/L	07/30/14	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101			%	07/30/14	HM	70 - 121 %	
% Bromofluorobenzene	91			%	07/30/14	HM	59 - 113 %	
% Dibromofluoromethane	98			%	07/30/14	HM	70 - 130 %	
% Toluene-d8	102			%	07/30/14	HM	84 - 138 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/L	07/30/14	DD	SW 8270
1,2-Dichlorobenzene	ND	1.0	1.4	ug/L	07/30/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	5.0	1.6	ug/L	07/30/14	DD	SW 8270
1,3-Dichlorobenzene	ND	1.0	1.5	ug/L	07/30/14	DD	SW 8270
1,4-Dichlorobenzene	ND	1.0	1.5	ug/L	07/30/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
2,4-Dichlorophenol	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
2,4-Dimethylphenol	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
2,4-Dinitrophenol	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	07/30/14	DD	SW 8270
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	07/30/14	DD	SW 8270
2-Chloronaphthalene	ND	5.0	1.4	ug/L	07/30/14	DD	SW 8270
2-Chlorophenol	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
2-Methylnaphthalene	ND	5.0	1.5	ug/L	07/30/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
2-Nitroaniline	ND	5.0	5.0	ug/L	07/30/14	DD	SW 8270
2-Nitrophenol	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	5.0	2.4	ug/L	07/30/14	DD	SW 8270
3-Nitroaniline	ND	5.0	5.0	ug/L	07/30/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	07/30/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
4-Chloroaniline	ND	3.5	2.3	ug/L	07/30/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	07/30/14	DD	SW 8270

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitroaniline	ND		5.0	1.7	ug/L	07/30/14	DD	SW 8270
4-Nitrophenol	ND		1.0	1.0	ug/L	07/30/14	DD	SW 8270
Acenaphthene	ND		5.0	1.5	ug/L	07/30/14	DD	SW 8270
Acetophenone	2.7	J	5.0	1.6	ug/L	07/30/14	DD	SW 8270
Aniline	ND		3.5	5.0	ug/L	07/30/14	DD	SW 8270
Anthracene	ND		5.0	1.6	ug/L	07/30/14	DD	SW 8270
Benzidine	ND		4.5	2.9	ug/L	07/30/14	DD	SW 8270
Benzoic acid	ND		25	10	ug/L	07/30/14	DD	SW 8270
Benzyl butyl phthalate	ND		5.0	1.3	ug/L	07/30/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND		5.0	1.4	ug/L	07/30/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND		1.0	1.0	ug/L	07/30/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND		5.0	1.4	ug/L	07/30/14	DD	SW 8270
Carbazole	ND		25	3.8	ug/L	07/30/14	DD	SW 8270
Dibenzofuran	ND		5.0	1.5	ug/L	07/30/14	DD	SW 8270
Diethyl phthalate	ND		5.0	1.6	ug/L	07/30/14	DD	SW 8270
Dimethylphthalate	ND		5.0	1.6	ug/L	07/30/14	DD	SW 8270
Di-n-butylphthalate	ND		5.0	1.3	ug/L	07/30/14	DD	SW 8270
Di-n-octylphthalate	ND		5.0	1.3	ug/L	07/30/14	DD	SW 8270
Fluoranthene	ND		5.0	1.6	ug/L	07/30/14	DD	SW 8270
Fluorene	ND		5.0	1.7	ug/L	07/30/14	DD	SW 8270
Hexachlorocyclopentadiene	ND		5.0	1.5	ug/L	07/30/14	DD	SW 8270
Isophorone	ND		5.0	1.4	ug/L	07/30/14	DD	SW 8270
Naphthalene	ND		5.0	1.4	ug/L	07/30/14	DD	SW 8270
N-Nitrosodimethylamine	ND		1.0	1.0	ug/L	07/30/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND		5.0	1.6	ug/L	07/30/14	DD	SW 8270
N-Nitrosodiphenylamine	ND		5.0	1.9	ug/L	07/30/14	DD	SW 8270
Phenol	ND		1.0	1.6	ug/L	07/30/14	DD	SW 8270
Pyrene	ND		5.0	1.7	ug/L	07/30/14	DD	SW 8270
Pyridine	ND		10	1.2	ug/L	07/30/14	DD	SW 8270
QA/QC Surrogates								
% 2,4,6-Tribromophenol	96				%	07/30/14	DD	19 - 122 %
% 2-Fluorobiphenyl	78				%	07/30/14	DD	30 - 115 %
% 2-Fluorophenol	46				%	07/30/14	DD	25 - 121 %
% Nitrobenzene-d5	78				%	07/30/14	DD	23 - 120 %
% Phenol-d5	49				%	07/30/14	DD	24 - 113 %
% Terphenyl-d14	67				%	07/30/14	DD	18 - 137 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND		0.50	0.50	ug/L	07/30/14	DD	SW8270 (SIM)
Acenaphthylene	ND		0.10	0.10	ug/L	07/30/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.04		0.02	0.02	ug/L	07/30/14	DD	SW8270 (SIM)
Benzo(a)pyrene	0.02		0.02	0.02	ug/L	07/30/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	0.03		0.02	0.02	ug/L	07/30/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND		0.02	0.02	ug/L	07/30/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND		0.02	0.02	ug/L	07/30/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND		1.0	1.0	ug/L	07/30/14	DD	SW8270 (SIM)
Chrysene	0.03		0.02	0.02	ug/L	07/30/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND		0.02	0.02	ug/L	07/30/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND		0.02	0.02	ug/L	07/30/14	DD	SW8270 (SIM)
Hexachlorobutadiene	ND		0.40	0.40	ug/L	07/30/14	DD	SW8270 (SIM)

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Hexachloroethane	ND	0.50	0.50	ug/L	07/30/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	07/30/14	DD	SW8270 (SIM)
Nitrobenzene	ND	0.10	0.10	ug/L	07/30/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	0.10	ug/L	07/30/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	0.80	ug/L	07/30/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.10	0.10	ug/L	07/30/14	DD	SW8270 (SIM)
QA/QC Surrogates							
% 2,4,6-Tribromophenol	102			%	07/30/14	DD	15 - 110 %
% 2-Fluorobiphenyl	79			%	07/30/14	DD	30 - 115 %
% 2-Fluorophenol	67			%	07/30/14	DD	15 - 110 %
% Nitrobenzene-d5	95			%	07/30/14	DD	23 - 120 %
% Phenol-d5	68			%	07/30/14	DD	15 - 110 %
% Terphenyl-d14	84			%	07/30/14	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.
B = Present in blank, no bias suspected.

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

Comments:

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
August 04, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 04, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		07/25/14	15:15
Location Code:	EBC	Received by:	SW	07/28/14	18:40
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG83045
Phoenix ID: BG83046

Project ID: 26 WEST ST BROOKLYN NY
Client ID: B2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver (Dissolved)	< 0.005	N	0.005	0.001	mg/L	07/31/14	LK	SW6010
Aluminum (Dissolved)	0.16	*	0.01	0.0026	mg/L	07/31/14	LK	SW6010
Arsenic, (Dissolved)	0.002	B*	0.003	0.001	mg/L	07/31/14	LK	SW6010
Barium (Dissolved)	0.336		0.011	0.001	mg/L	07/31/14	LK	SW6010
Beryllium (Dissolved)	< 0.001		0.001	0.001	mg/L	07/31/14	LK	SW6010
Calcium (Dissolved)	174		0.11	0.032	mg/L	07/30/14	LK	SW6010
Cadmium (Dissolved)	< 0.004		0.004	0.0005	mg/L	07/31/14	LK	SW6010
Cobalt, (Dissolved)	0.004	B	0.005	0.001	mg/L	07/31/14	LK	SW6010
Chromium (Dissolved)	< 0.001		0.001	0.001	mg/L	07/31/14	LK	SW6010
Copper, (Dissolved)	0.003	B*	0.005	0.001	mg/L	07/31/14	LK	SW6010
Iron, (Dissolved)	0.47		0.01	0.01	mg/L	07/31/14	LK	SW6010
Mercury (Dissolved)	< 0.0002		0.0002	0.00015	mg/L	07/29/14	MA	SW7470
Potassium (Dissolved)	12.8		0.1	0.1	mg/L	07/31/14	LK	SW6010
Magnesium (Dissolved)	27.4		0.01	0.001	mg/L	07/31/14	LK	SW6010
Manganese, (Dissolved)	2.78		0.053	0.011	mg/L	07/30/14	LK	SW6010
Sodium (Dissolved)	328		1.1	1.1	mg/L	07/30/14	LK	SW6010
Nickel, (Dissolved)	0.003	B	0.004	0.001	mg/L	07/31/14	LK	SW6010
Lead (Dissolved)	0.001	B	0.002	0.001	mg/L	07/31/14	LK	SW6010
Antimony, (Dissolved)	< 0.003		0.003	0.003	mg/L	07/30/14	RS	7010
Selenium, (Dissolved)	< 0.004		0.004	0.002	mg/L	07/30/14	T/R	7010
Thallium , (Dissolved)	< 0.001		0.001	0.001	mg/L	07/29/14	RS	7010
Vanadium, (Dissolved)	< 0.011	*	0.011	0.001	mg/L	07/31/14	LK	SW6010
Zinc, (Dissolved)	0.003	B	0.011	0.001	mg/L	07/31/14	LK	SW6010
Filtration	Completed					07/28/14	TH	0.45um Filter
Dissolved Mercury Digestion	Completed					07/29/14	I/I	SW7470
PCB Extraction (2 Liter)	Completed					07/28/14	L	SW3510
Extraction for Pest (2 Liter)	Completed					07/28/14	L	SW3510
Semi-Volatile Extraction	Completed					07/28/14	E/X	SW3520

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Client ID: B2

Phoenix I.D.: BG83046

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Dissolved Metals Preparation	Completed				07/28/14	TH	SW846-3005	
Pesticides								
4,4' -DDD	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
4,4' -DDE	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
4,4' -DDT	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
a-BHC	ND	0.005	0.005	ug/L	07/30/14	CE	SW8081	
a-chlordane	ND	0.025	0.025	ug/L	07/30/14	CE	SW8081	
Alachlor	ND	0.075	0.075	ug/L	07/30/14	CE	SW8081	1
Aldrin	ND	0.002	0.002	ug/L	07/30/14	CE	SW8081	
b-BHC	ND	0.005	0.005	ug/L	07/30/14	CE	SW8081	
Chlordane	ND	0.030	0.030	ug/L	07/30/14	CE	SW8081	
d-BHC	ND	0.005	0.005	ug/L	07/30/14	CE	SW8081	
Dieldrin	ND	0.002	0.002	ug/L	07/30/14	CE	SW8081	
Endosulfan I	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
Endosulfan II	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
Endosulfan Sulfate	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
Endrin	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
Endrin Aldehyde	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
Endrin ketone	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
g-BHC (Lindane)	ND	0.005	0.005	ug/L	07/30/14	CE	SW8081	
g-chlordane	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
Heptachlor	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
Heptachlor epoxide	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
Methoxychlor	ND	0.10	0.10	ug/L	07/30/14	CE	SW8081	
Toxaphene	ND	0.20	0.20	ug/L	07/30/14	CE	SW8081	
QA/QC Surrogates								
%DCBP (Surrogate Rec)	51			%	07/30/14	CE	SW8081	
%TCMX (Surrogate Rec)	83			%	07/30/14	CE	SW8081	
Polychlorinated Biphenyls								
PCB-1016	ND	0.050	0.050	ug/L	07/30/14	AW	608/ 8082	
PCB-1221	ND	0.050	0.050	ug/L	07/30/14	AW	608/ 8082	
PCB-1232	ND	0.050	0.050	ug/L	07/30/14	AW	608/ 8082	
PCB-1242	ND	0.050	0.050	ug/L	07/30/14	AW	608/ 8082	
PCB-1248	ND	0.050	0.050	ug/L	07/30/14	AW	608/ 8082	
PCB-1254	ND	0.050	0.050	ug/L	07/30/14	AW	608/ 8082	
PCB-1260	ND	0.050	0.050	ug/L	07/30/14	AW	608/ 8082	
PCB-1262	ND	0.050	0.050	ug/L	07/30/14	AW	608/ 8082	
PCB-1268	ND	0.050	0.050	ug/L	07/30/14	AW	608/ 8082	
QA/QC Surrogates								
% DCBP	62			%	07/30/14	AW	608/ 8082	
% TCMX	84			%	07/30/14	AW	608/ 8082	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/L	07/30/14	HM	SW8260	
1,1,1-Trichloroethane	ND	5.0	0.19	ug/L	07/30/14	HM	SW8260	
1,1,2,2-Tetrachloroethane	ND	1.0	0.15	ug/L	07/30/14	HM	SW8260	
1,1,2-Trichloroethane	ND	1.0	0.20	ug/L	07/30/14	HM	SW8260	
1,1-Dichloroethane	ND	5.0	0.23	ug/L	07/30/14	HM	SW8260	

Project ID: 26 WEST ST BROOKLYN NY
Client ID: B2

Phoenix I.D.: BG83046

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND		1.0	0.24	ug/L	07/30/14	HM	SW8260	
1,1-Dichloropropene	ND		1.0	0.20	ug/L	07/30/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		1.0	0.20	ug/L	07/30/14	HM	SW8260	B
1,2,3-Trichloropropane	ND		1.0	0.21	ug/L	07/30/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		1.0	0.18	ug/L	07/30/14	HM	SW8260	B
1,2,4-Trimethylbenzene	ND		1.0	0.18	ug/L	07/30/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		1.0	0.36	ug/L	07/30/14	HM	SW8260	
1,2-Dibromoethane	ND		1.0	0.20	ug/L	07/30/14	HM	SW8260	
1,2-Dichlorobenzene	ND		1.0	0.16	ug/L	07/30/14	HM	SW8260	
1,2-Dichloroethane	ND		0.60	0.20	ug/L	07/30/14	HM	SW8260	
1,2-Dichloropropane	ND		1.0	0.18	ug/L	07/30/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		1.0	0.21	ug/L	07/30/14	HM	SW8260	
1,3-Dichlorobenzene	ND		5.0	0.19	ug/L	07/30/14	HM	SW8260	
1,3-Dichloropropane	ND		1.0	0.22	ug/L	07/30/14	HM	SW8260	
1,4-Dichlorobenzene	ND		5.0	0.19	ug/L	07/30/14	HM	SW8260	
2,2-Dichloropropane	ND		1.0	0.16	ug/L	07/30/14	HM	SW8260	
2-Chlorotoluene	ND		1.0	0.23	ug/L	07/30/14	HM	SW8260	
2-Hexanone	ND		1.0	0.27	ug/L	07/30/14	HM	SW8260	
2-Isopropyltoluene	ND		1.0	0.21	ug/L	07/30/14	HM	SW8260	1
4-Chlorotoluene	ND		1.0	0.16	ug/L	07/30/14	HM	SW8260	
4-Methyl-2-pentanone	ND		1.0	0.19	ug/L	07/30/14	HM	SW8260	
Acetone	2.2	JS	5.0	0.31	ug/L	07/30/14	HM	SW8260	B*
Acrolein	ND		5.0	0.95	ug/L	07/30/14	HM	SW8260	
Acrylonitrile	ND		5.0	0.17	ug/L	07/30/14	HM	SW8260	
Benzene	ND		0.70	0.19	ug/L	07/30/14	HM	SW8260	
Bromobenzene	ND		1.0	0.20	ug/L	07/30/14	HM	SW8260	
Bromochloromethane	ND		1.0	0.22	ug/L	07/30/14	HM	SW8260	
Bromodichloromethane	ND		1.0	0.16	ug/L	07/30/14	HM	SW8260	
Bromoform	ND		5.0	0.10	ug/L	07/30/14	HM	SW8260	
Bromomethane	ND		5.0	0.50	ug/L	07/30/14	HM	SW8260	
Carbon Disulfide	ND		1.0	0.24	ug/L	07/30/14	HM	SW8260	
Carbon tetrachloride	ND		1.0	0.23	ug/L	07/30/14	HM	SW8260	
Chlorobenzene	ND		5.0	0.20	ug/L	07/30/14	HM	SW8260	
Chloroethane	ND		5.0	0.24	ug/L	07/30/14	HM	SW8260	
Chloroform	ND		5.0	0.22	ug/L	07/30/14	HM	SW8260	
Chloromethane	ND		5.0	0.21	ug/L	07/30/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L	07/30/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		0.40	0.15	ug/L	07/30/14	HM	SW8260	
Dibromochloromethane	ND		1.0	0.15	ug/L	07/30/14	HM	SW8260	
Dibromomethane	ND		1.0	0.23	ug/L	07/30/14	HM	SW8260	
Dichlorodifluoromethane	ND		1.0	0.26	ug/L	07/30/14	HM	SW8260	
Ethylbenzene	ND		1.0	0.19	ug/L	07/30/14	HM	SW8260	
Hexachlorobutadiene	ND		1.0	0.13	ug/L	07/30/14	HM	SW8260	
Isopropylbenzene	ND		1.0	0.22	ug/L	07/30/14	HM	SW8260	
m&p-Xylene	ND		1.0	0.42	ug/L	07/30/14	HM	SW8260	
Methyl ethyl ketone	ND		1.0	0.50	ug/L	07/30/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		1.0	0.19	ug/L	07/30/14	HM	SW8260	
Methylene chloride	ND		3.0	0.16	ug/L	07/30/14	HM	SW8260	
Naphthalene	ND		1.0	0.19	ug/L	07/30/14	HM	SW8260	B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
n-Butylbenzene	ND	1.0	0.22	ug/L	07/30/14	HM	SW8260	
n-Propylbenzene	ND	1.0	0.20	ug/L	07/30/14	HM	SW8260	
o-Xylene	ND	1.0	0.45	ug/L	07/30/14	HM	SW8260	
p-Isopropyltoluene	ND	1.0	0.21	ug/L	07/30/14	HM	SW8260	
sec-Butylbenzene	ND	1.0	0.22	ug/L	07/30/14	HM	SW8260	
Styrene	ND	1.0	0.41	ug/L	07/30/14	HM	SW8260	
tert-Butylbenzene	ND	1.0	0.23	ug/L	07/30/14	HM	SW8260	
Tetrachloroethene	ND	1.0	0.24	ug/L	07/30/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	5.0	0.51	ug/L	07/30/14	HM	SW8260	1
Toluene	ND	1.0	0.20	ug/L	07/30/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	5.0	0.20	ug/L	07/30/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	0.40	0.14	ug/L	07/30/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	1.0	0.45	ug/L	07/30/14	HM	SW8260	
Trichloroethene	ND	1.0	0.18	ug/L	07/30/14	HM	SW8260	
Trichlorofluoromethane	ND	1.0	0.23	ug/L	07/30/14	HM	SW8260	
Trichlorotrifluoroethane	ND	1.0	0.23	ug/L	07/30/14	HM	SW8260	
Vinyl chloride	ND	1.0	0.14	ug/L	07/30/14	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102			%	07/30/14	HM	70 - 121 %	
% Bromofluorobenzene	89			%	07/30/14	HM	59 - 113 %	
% Dibromofluoromethane	103			%	07/30/14	HM	70 - 130 %	
% Toluene-d8	100			%	07/30/14	HM	84 - 138 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/L	07/30/14	DD	SW 8270
1,2-Dichlorobenzene	ND	1.0	1.4	ug/L	07/30/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	5.0	1.6	ug/L	07/30/14	DD	SW 8270
1,3-Dichlorobenzene	ND	1.0	1.5	ug/L	07/30/14	DD	SW 8270
1,4-Dichlorobenzene	ND	1.0	1.5	ug/L	07/30/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
2,4-Dichlorophenol	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
2,4-Dimethylphenol	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
2,4-Dinitrophenol	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	07/30/14	DD	SW 8270
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	07/30/14	DD	SW 8270
2-Chloronaphthalene	ND	5.0	1.4	ug/L	07/30/14	DD	SW 8270
2-Chlorophenol	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
2-Methylnaphthalene	ND	5.0	1.5	ug/L	07/30/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
2-Nitroaniline	ND	5.0	5.0	ug/L	07/30/14	DD	SW 8270
2-Nitrophenol	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	5.0	2.4	ug/L	07/30/14	DD	SW 8270
3-Nitroaniline	ND	5.0	5.0	ug/L	07/30/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	07/30/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
4-Chloroaniline	ND	3.5	2.3	ug/L	07/30/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	07/30/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitroaniline	ND	5.0	1.7	ug/L	07/30/14	DD	SW 8270
4-Nitrophenol	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
Acenaphthene	ND	5.0	1.5	ug/L	07/30/14	DD	SW 8270
Acetophenone	ND	5.0	1.6	ug/L	07/30/14	DD	SW 8270
Aniline	ND	3.5	5.0	ug/L	07/30/14	DD	SW 8270
Anthracene	ND	5.0	1.6	ug/L	07/30/14	DD	SW 8270
Benzidine	ND	4.5	2.9	ug/L	07/30/14	DD	SW 8270
Benzoic acid	ND	25	10	ug/L	07/30/14	DD	SW 8270
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	07/30/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	07/30/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	07/30/14	DD	SW 8270
Carbazole	ND	25	3.8	ug/L	07/30/14	DD	SW 8270
Dibenzofuran	ND	5.0	1.5	ug/L	07/30/14	DD	SW 8270
Diethyl phthalate	ND	5.0	1.6	ug/L	07/30/14	DD	SW 8270
Dimethylphthalate	ND	5.0	1.6	ug/L	07/30/14	DD	SW 8270
Di-n-butylphthalate	ND	5.0	1.3	ug/L	07/30/14	DD	SW 8270
Di-n-octylphthalate	ND	5.0	1.3	ug/L	07/30/14	DD	SW 8270
Fluoranthene	ND	5.0	1.6	ug/L	07/30/14	DD	SW 8270
Fluorene	ND	5.0	1.7	ug/L	07/30/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	07/30/14	DD	SW 8270
Isophorone	ND	5.0	1.4	ug/L	07/30/14	DD	SW 8270
Naphthalene	ND	5.0	1.4	ug/L	07/30/14	DD	SW 8270
N-Nitrosodimethylamine	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	07/30/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	07/30/14	DD	SW 8270
Phenol	ND	1.0	1.6	ug/L	07/30/14	DD	SW 8270
Pyrene	ND	5.0	1.7	ug/L	07/30/14	DD	SW 8270
Pyridine	ND	10	1.2	ug/L	07/30/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	88			%	07/30/14	DD	19 - 122 %
% 2-Fluorobiphenyl	76			%	07/30/14	DD	30 - 115 %
% 2-Fluorophenol	44			%	07/30/14	DD	25 - 121 %
% Nitrobenzene-d5	76			%	07/30/14	DD	23 - 120 %
% Phenol-d5	41			%	07/30/14	DD	24 - 113 %
% Terphenyl-d14	75			%	07/30/14	DD	18 - 137 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.50	0.50	ug/L	07/30/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.10	0.10	ug/L	07/30/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.02	0.02	0.02	ug/L	07/30/14	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.02	0.02	ug/L	07/30/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	07/30/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	0.02	0.02	ug/L	07/30/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	07/30/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.0	1.0	ug/L	07/30/14	DD	SW8270 (SIM)
Chrysene	ND	0.02	0.02	ug/L	07/30/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	07/30/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	07/30/14	DD	SW8270 (SIM)
Hexachlorobutadiene	ND	0.40	0.40	ug/L	07/30/14	DD	SW8270 (SIM)

Project ID: 26 WEST ST BROOKLYN NY
Client ID: B2

Phoenix I.D.: BG83046

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Hexachloroethane	ND	0.50	0.50	ug/L	07/30/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	07/30/14	DD	SW8270 (SIM)
Nitrobenzene	ND	0.10	0.10	ug/L	07/30/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	0.10	ug/L	07/30/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	0.80	ug/L	07/30/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.10	0.10	ug/L	07/30/14	DD	SW8270 (SIM)
QA/QC Surrogates							
% 2,4,6-Tribromophenol	100			%	07/30/14	DD	15 - 110 %
% 2-Fluorobiphenyl	80			%	07/30/14	DD	30 - 115 %
% 2-Fluorophenol	65			%	07/30/14	DD	15 - 110 %
% Nitrobenzene-d5	96			%	07/30/14	DD	23 - 120 %
% Phenol-d5	59			%	07/30/14	DD	15 - 110 %
% Terphenyl-d14	91			%	07/30/14	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.
B = Present in blank, no bias suspected.

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

Comments:

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
August 04, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 04, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		07/25/14	15:25
Location Code:	EBC	Received by:	SW	07/28/14	18:40
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG83045
Phoenix ID: BG83047

Project ID: 26 WEST ST BROOKLYN NY
Client ID: B2 DUPLICATE

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver (Dissolved)	< 0.005	N	0.005	0.001	mg/L	07/31/14	LK	SW6010
Aluminum (Dissolved)	0.79	*	0.01	0.0026	mg/L	07/31/14	LK	SW6010
Arsenic, (Dissolved)	0.002	B*	0.003	0.001	mg/L	07/31/14	LK	SW6010
Barium (Dissolved)	0.342		0.011	0.001	mg/L	07/31/14	LK	SW6010
Beryllium (Dissolved)	< 0.001		0.001	0.001	mg/L	07/31/14	LK	SW6010
Calcium (Dissolved)	182		0.11	0.032	mg/L	07/30/14	LK	SW6010
Cadmium (Dissolved)	< 0.004		0.004	0.0005	mg/L	07/31/14	LK	SW6010
Cobalt, (Dissolved)	0.004	B	0.005	0.001	mg/L	07/31/14	LK	SW6010
Chromium (Dissolved)	0.002		0.001	0.001	mg/L	07/31/14	LK	SW6010
Copper, (Dissolved)	0.004	B*	0.005	0.001	mg/L	07/31/14	LK	SW6010
Iron, (Dissolved)	1.85		0.01	0.01	mg/L	07/31/14	LK	SW6010
Mercury (Dissolved)	< 0.0002		0.0002	0.00015	mg/L	07/29/14	MA	SW7470
Potassium (Dissolved)	13.0		0.1	0.1	mg/L	07/31/14	LK	SW6010
Magnesium (Dissolved)	28.1		0.01	0.001	mg/L	07/31/14	LK	SW6010
Manganese, (Dissolved)	3.04		0.053	0.011	mg/L	07/30/14	LK	SW6010
Sodium (Dissolved)	327		1.1	1.1	mg/L	07/30/14	LK	SW6010
Nickel, (Dissolved)	0.004		0.004	0.001	mg/L	07/31/14	LK	SW6010
Lead (Dissolved)	0.006		0.002	0.001	mg/L	07/31/14	LK	SW6010
Antimony, (Dissolved)	< 0.003		0.003	0.003	mg/L	07/30/14	RS	7010
Selenium, (Dissolved)	< 0.004		0.004	0.002	mg/L	07/30/14	T/R	7010
Thallium , (Dissolved)	< 0.001		0.001	0.001	mg/L	07/29/14	RS	7010
Vanadium, (Dissolved)	0.002	B*	0.011	0.001	mg/L	07/31/14	LK	SW6010
Zinc, (Dissolved)	0.005	B	0.011	0.001	mg/L	07/31/14	LK	SW6010
Filtration	Completed					07/28/14	TH	0.45um Filter
Dissolved Mercury Digestion	Completed					07/29/14	I/I	SW7470
PCB Extraction (2 Liter)	Completed					07/28/14	L	SW3510
Extraction for Pest (2 Liter)	Completed					07/28/14	L	SW3510
Semi-Volatile Extraction	Completed					07/28/14	E/X	SW3520

Project ID: 26 WEST ST BROOKLYN NY
Client ID: B2 DUPLICATE

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Dissolved Metals Preparation	Completed				07/28/14	TH	SW846-3005	
Pesticides								
4,4' -DDD	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
4,4' -DDE	ND	0.015	0.015	ug/L	07/30/14	CE	SW8081	
4,4' -DDT	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
a-BHC	ND	0.005	0.005	ug/L	07/30/14	CE	SW8081	
a-chlordane	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
Alachlor	ND	0.075	0.075	ug/L	07/30/14	CE	SW8081	1
Aldrin	ND	0.002	0.002	ug/L	07/30/14	CE	SW8081	
b-BHC	ND	0.005	0.005	ug/L	07/30/14	CE	SW8081	
Chlordane	ND	0.030	0.030	ug/L	07/30/14	CE	SW8081	
d-BHC	ND	0.005	0.005	ug/L	07/30/14	CE	SW8081	
Dieldrin	ND	0.002	0.002	ug/L	07/30/14	CE	SW8081	
Endosulfan I	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
Endosulfan II	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
Endosulfan Sulfate	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
Endrin	ND	0.015	0.015	ug/L	07/30/14	CE	SW8081	
Endrin Aldehyde	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
Endrin ketone	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
g-BHC (Lindane)	ND	0.008	0.008	ug/L	07/30/14	CE	SW8081	
g-chlordane	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
Heptachlor	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
Heptachlor epoxide	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
Methoxychlor	ND	0.10	0.10	ug/L	07/30/14	CE	SW8081	
Toxaphene	ND	0.20	0.20	ug/L	07/30/14	CE	SW8081	
QA/QC Surrogates								
%DCBP (Surrogate Rec)	63			%	07/30/14	CE	SW8081	
%TCMX (Surrogate Rec)	77			%	07/30/14	CE	SW8081	
Polychlorinated Biphenyls								
PCB-1016	ND	0.050	0.050	ug/L	07/30/14	AW	608/ 8082	
PCB-1221	ND	0.050	0.050	ug/L	07/30/14	AW	608/ 8082	
PCB-1232	ND	0.050	0.050	ug/L	07/30/14	AW	608/ 8082	
PCB-1242	ND	0.050	0.050	ug/L	07/30/14	AW	608/ 8082	
PCB-1248	ND	0.050	0.050	ug/L	07/30/14	AW	608/ 8082	
PCB-1254	ND	0.050	0.050	ug/L	07/30/14	AW	608/ 8082	
PCB-1260	ND	0.050	0.050	ug/L	07/30/14	AW	608/ 8082	
PCB-1262	ND	0.050	0.050	ug/L	07/30/14	AW	608/ 8082	
PCB-1268	ND	0.050	0.050	ug/L	07/30/14	AW	608/ 8082	
QA/QC Surrogates								
% DCBP	64			%	07/30/14	AW	608/ 8082	
% TCMX	69			%	07/30/14	AW	608/ 8082	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/L	07/30/14	HM	SW8260	
1,1,1-Trichloroethane	ND	5.0	0.19	ug/L	07/30/14	HM	SW8260	
1,1,2,2-Tetrachloroethane	ND	1.0	0.15	ug/L	07/30/14	HM	SW8260	
1,1,2-Trichloroethane	ND	1.0	0.20	ug/L	07/30/14	HM	SW8260	
1,1-Dichloroethane	ND	5.0	0.23	ug/L	07/30/14	HM	SW8260	

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Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND		1.0	0.24	ug/L	07/30/14	HM	SW8260	
1,1-Dichloropropene	ND		1.0	0.20	ug/L	07/30/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		1.0	0.20	ug/L	07/30/14	HM	SW8260	B
1,2,3-Trichloropropane	ND		1.0	0.21	ug/L	07/30/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		1.0	0.18	ug/L	07/30/14	HM	SW8260	B
1,2,4-Trimethylbenzene	ND		1.0	0.18	ug/L	07/30/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		1.0	0.36	ug/L	07/30/14	HM	SW8260	
1,2-Dibromoethane	ND		1.0	0.20	ug/L	07/30/14	HM	SW8260	
1,2-Dichlorobenzene	ND		1.0	0.16	ug/L	07/30/14	HM	SW8260	
1,2-Dichloroethane	ND		0.60	0.20	ug/L	07/30/14	HM	SW8260	
1,2-Dichloropropane	ND		1.0	0.18	ug/L	07/30/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		1.0	0.21	ug/L	07/30/14	HM	SW8260	
1,3-Dichlorobenzene	ND		5.0	0.19	ug/L	07/30/14	HM	SW8260	
1,3-Dichloropropane	ND		1.0	0.22	ug/L	07/30/14	HM	SW8260	
1,4-Dichlorobenzene	ND		5.0	0.19	ug/L	07/30/14	HM	SW8260	
2,2-Dichloropropane	ND		1.0	0.16	ug/L	07/30/14	HM	SW8260	
2-Chlorotoluene	ND		1.0	0.23	ug/L	07/30/14	HM	SW8260	
2-Hexanone	ND		1.0	0.27	ug/L	07/30/14	HM	SW8260	
2-Isopropyltoluene	ND		1.0	0.21	ug/L	07/30/14	HM	SW8260	1
4-Chlorotoluene	ND		1.0	0.16	ug/L	07/30/14	HM	SW8260	
4-Methyl-2-pentanone	ND		1.0	0.19	ug/L	07/30/14	HM	SW8260	
Acetone	3.2	JS	5.0	0.31	ug/L	07/30/14	HM	SW8260	B*
Acrolein	ND		5.0	0.95	ug/L	07/30/14	HM	SW8260	
Acrylonitrile	ND		5.0	0.17	ug/L	07/30/14	HM	SW8260	
Benzene	ND		0.70	0.19	ug/L	07/30/14	HM	SW8260	
Bromobenzene	ND		1.0	0.20	ug/L	07/30/14	HM	SW8260	
Bromochloromethane	ND		1.0	0.22	ug/L	07/30/14	HM	SW8260	
Bromodichloromethane	ND		1.0	0.16	ug/L	07/30/14	HM	SW8260	
Bromoform	ND		5.0	0.10	ug/L	07/30/14	HM	SW8260	
Bromomethane	ND		5.0	0.50	ug/L	07/30/14	HM	SW8260	
Carbon Disulfide	ND		1.0	0.24	ug/L	07/30/14	HM	SW8260	
Carbon tetrachloride	ND		1.0	0.23	ug/L	07/30/14	HM	SW8260	
Chlorobenzene	ND		5.0	0.20	ug/L	07/30/14	HM	SW8260	
Chloroethane	ND		5.0	0.24	ug/L	07/30/14	HM	SW8260	
Chloroform	ND		5.0	0.22	ug/L	07/30/14	HM	SW8260	
Chloromethane	ND		5.0	0.21	ug/L	07/30/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L	07/30/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		0.40	0.15	ug/L	07/30/14	HM	SW8260	
Dibromochloromethane	ND		1.0	0.15	ug/L	07/30/14	HM	SW8260	
Dibromomethane	ND		1.0	0.23	ug/L	07/30/14	HM	SW8260	
Dichlorodifluoromethane	ND		1.0	0.26	ug/L	07/30/14	HM	SW8260	
Ethylbenzene	ND		1.0	0.19	ug/L	07/30/14	HM	SW8260	
Hexachlorobutadiene	ND		1.0	0.13	ug/L	07/30/14	HM	SW8260	
Isopropylbenzene	ND		1.0	0.22	ug/L	07/30/14	HM	SW8260	
m&p-Xylene	ND		1.0	0.42	ug/L	07/30/14	HM	SW8260	
Methyl ethyl ketone	ND		1.0	0.50	ug/L	07/30/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		1.0	0.19	ug/L	07/30/14	HM	SW8260	
Methylene chloride	ND		3.0	0.16	ug/L	07/30/14	HM	SW8260	
Naphthalene	ND		1.0	0.19	ug/L	07/30/14	HM	SW8260	B

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
n-Butylbenzene	ND	1.0	0.22	ug/L	07/30/14	HM	SW8260	
n-Propylbenzene	ND	1.0	0.20	ug/L	07/30/14	HM	SW8260	
o-Xylene	ND	1.0	0.45	ug/L	07/30/14	HM	SW8260	
p-Isopropyltoluene	ND	1.0	0.21	ug/L	07/30/14	HM	SW8260	
sec-Butylbenzene	ND	1.0	0.22	ug/L	07/30/14	HM	SW8260	
Styrene	ND	1.0	0.41	ug/L	07/30/14	HM	SW8260	
tert-Butylbenzene	ND	1.0	0.23	ug/L	07/30/14	HM	SW8260	
Tetrachloroethene	ND	1.0	0.24	ug/L	07/30/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	5.0	0.51	ug/L	07/30/14	HM	SW8260	1
Toluene	ND	1.0	0.20	ug/L	07/30/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	5.0	0.20	ug/L	07/30/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	0.40	0.14	ug/L	07/30/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	1.0	0.45	ug/L	07/30/14	HM	SW8260	
Trichloroethene	ND	1.0	0.18	ug/L	07/30/14	HM	SW8260	
Trichlorofluoromethane	ND	1.0	0.23	ug/L	07/30/14	HM	SW8260	
Trichlorotrifluoroethane	ND	1.0	0.23	ug/L	07/30/14	HM	SW8260	
Vinyl chloride	ND	1.0	0.14	ug/L	07/30/14	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	104			%	07/30/14	HM	70 - 121 %	
% Bromofluorobenzene	89			%	07/30/14	HM	59 - 113 %	
% Dibromofluoromethane	104			%	07/30/14	HM	70 - 130 %	
% Toluene-d8	104			%	07/30/14	HM	84 - 138 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/L	07/30/14	DD	SW 8270
1,2-Dichlorobenzene	ND	1.0	1.4	ug/L	07/30/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	5.0	1.6	ug/L	07/30/14	DD	SW 8270
1,3-Dichlorobenzene	ND	1.0	1.5	ug/L	07/30/14	DD	SW 8270
1,4-Dichlorobenzene	ND	1.0	1.5	ug/L	07/30/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
2,4-Dichlorophenol	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
2,4-Dimethylphenol	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
2,4-Dinitrophenol	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	07/30/14	DD	SW 8270
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	07/30/14	DD	SW 8270
2-Chloronaphthalene	ND	5.0	1.4	ug/L	07/30/14	DD	SW 8270
2-Chlorophenol	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
2-Methylnaphthalene	ND	5.0	1.5	ug/L	07/30/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
2-Nitroaniline	ND	5.0	5.0	ug/L	07/30/14	DD	SW 8270
2-Nitrophenol	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	5.0	2.4	ug/L	07/30/14	DD	SW 8270
3-Nitroaniline	ND	5.0	5.0	ug/L	07/30/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	07/30/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
4-Chloroaniline	ND	3.5	2.3	ug/L	07/30/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	07/30/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitroaniline	ND	5.0	1.7	ug/L	07/30/14	DD	SW 8270
4-Nitrophenol	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
Acenaphthene	ND	5.0	1.5	ug/L	07/30/14	DD	SW 8270
Acetophenone	ND	5.0	1.6	ug/L	07/30/14	DD	SW 8270
Aniline	ND	3.5	5.0	ug/L	07/30/14	DD	SW 8270
Anthracene	ND	5.0	1.6	ug/L	07/30/14	DD	SW 8270
Benzidine	ND	4.5	2.9	ug/L	07/30/14	DD	SW 8270
Benzoic acid	ND	25	10	ug/L	07/30/14	DD	SW 8270
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	07/30/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	07/30/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	07/30/14	DD	SW 8270
Carbazole	ND	25	3.8	ug/L	07/30/14	DD	SW 8270
Dibenzofuran	ND	5.0	1.5	ug/L	07/30/14	DD	SW 8270
Diethyl phthalate	ND	5.0	1.6	ug/L	07/30/14	DD	SW 8270
Dimethylphthalate	ND	5.0	1.6	ug/L	07/30/14	DD	SW 8270
Di-n-butylphthalate	ND	5.0	1.3	ug/L	07/30/14	DD	SW 8270
Di-n-octylphthalate	ND	5.0	1.3	ug/L	07/30/14	DD	SW 8270
Fluoranthene	ND	5.0	1.6	ug/L	07/30/14	DD	SW 8270
Fluorene	ND	5.0	1.7	ug/L	07/30/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	07/30/14	DD	SW 8270
Isophorone	ND	5.0	1.4	ug/L	07/30/14	DD	SW 8270
Naphthalene	ND	5.0	1.4	ug/L	07/30/14	DD	SW 8270
N-Nitrosodimethylamine	ND	1.0	1.0	ug/L	07/30/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	07/30/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	07/30/14	DD	SW 8270
Phenol	ND	1.0	1.6	ug/L	07/30/14	DD	SW 8270
Pyrene	ND	5.0	1.7	ug/L	07/30/14	DD	SW 8270
Pyridine	ND	10	1.2	ug/L	07/30/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	90			%	07/30/14	DD	19 - 122 %
% 2-Fluorobiphenyl	78			%	07/30/14	DD	30 - 115 %
% 2-Fluorophenol	52			%	07/30/14	DD	25 - 121 %
% Nitrobenzene-d5	78			%	07/30/14	DD	23 - 120 %
% Phenol-d5	55			%	07/30/14	DD	24 - 113 %
% Terphenyl-d14	78			%	07/30/14	DD	18 - 137 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.50	0.50	ug/L	07/30/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.10	0.10	ug/L	07/30/14	DD	SW8270 (SIM)
Benz(a)anthracene	ND	0.02	0.02	ug/L	07/30/14	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.02	0.02	ug/L	07/30/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	07/30/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	0.02	0.02	ug/L	07/30/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	07/30/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.0	1.0	ug/L	07/30/14	DD	SW8270 (SIM)
Chrysene	ND	0.02	0.02	ug/L	07/30/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	07/30/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	07/30/14	DD	SW8270 (SIM)
Hexachlorobutadiene	ND	0.40	0.40	ug/L	07/30/14	DD	SW8270 (SIM)

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Hexachloroethane	ND	0.50	0.50	ug/L	07/30/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	07/30/14	DD	SW8270 (SIM)
Nitrobenzene	ND	0.10	0.10	ug/L	07/30/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	0.10	ug/L	07/30/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	0.80	ug/L	07/30/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.10	0.10	ug/L	07/30/14	DD	SW8270 (SIM)
QA/QC Surrogates							
% 2,4,6-Tribromophenol	103			%	07/30/14	DD	15 - 110 %
% 2-Fluorobiphenyl	81			%	07/30/14	DD	30 - 115 %
% 2-Fluorophenol	78			%	07/30/14	DD	15 - 110 %
% Nitrobenzene-d5	100			%	07/30/14	DD	23 - 120 %
% Phenol-d5	77			%	07/30/14	DD	15 - 110 %
% Terphenyl-d14	92			%	07/30/14	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.
B = Present in blank, no bias suspected.

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

Comments:

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
August 04, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 04, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		07/25/14	15:40
Location Code:	EBC	Received by:	SW	07/28/14	18:40
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG83045
Phoenix ID: BG83048

Project ID: 26 WEST ST BROOKLYN NY
Client ID: B4

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver (Dissolved)	< 0.005	N	0.005	0.001	mg/L	07/31/14	LK	SW6010
Aluminum (Dissolved)	0.16	*	0.01	0.0026	mg/L	07/31/14	LK	SW6010
Arsenic, (Dissolved)	0.003	B*	0.003	0.001	mg/L	07/31/14	LK	SW6010
Barium (Dissolved)	0.024		0.011	0.001	mg/L	07/31/14	LK	SW6010
Beryllium (Dissolved)	< 0.001		0.001	0.001	mg/L	07/31/14	LK	SW6010
Calcium (Dissolved)	121		0.01	0.003	mg/L	07/31/14	LK	SW6010
Cadmium (Dissolved)	< 0.004		0.004	0.0005	mg/L	07/31/14	LK	SW6010
Cobalt, (Dissolved)	< 0.005		0.005	0.001	mg/L	07/31/14	LK	SW6010
Chromium (Dissolved)	< 0.001		0.001	0.001	mg/L	07/31/14	LK	SW6010
Copper, (Dissolved)	< 0.005	*	0.005	0.001	mg/L	07/31/14	LK	SW6010
Iron, (Dissolved)	0.09		0.01	0.01	mg/L	07/31/14	LK	SW6010
Mercury (Dissolved)	< 0.0002		0.0002	0.00015	mg/L	07/29/14	MA	SW7470
Potassium (Dissolved)	8.7		0.1	0.1	mg/L	07/31/14	LK	SW6010
Magnesium (Dissolved)	21.0		0.01	0.001	mg/L	07/31/14	LK	SW6010
Manganese, (Dissolved)	0.214		0.005	0.001	mg/L	07/31/14	LK	SW6010
Sodium (Dissolved)	61.5		0.11	0.1	mg/L	07/31/14	LK	SW6010
Nickel, (Dissolved)	< 0.004		0.004	0.001	mg/L	07/31/14	LK	SW6010
Lead (Dissolved)	0.003		0.002	0.001	mg/L	07/31/14	LK	SW6010
Antimony, (Dissolved)	< 0.003		0.003	0.003	mg/L	07/30/14	RS	7010
Selenium, (Dissolved)	< 0.004		0.004	0.002	mg/L	07/30/14	T/R	7010
Thallium , (Dissolved)	< 0.001		0.001	0.001	mg/L	07/29/14	RS	7010
Vanadium, (Dissolved)	0.002	B*	0.011	0.001	mg/L	07/31/14	LK	SW6010
Zinc, (Dissolved)	0.002	B	0.011	0.001	mg/L	07/31/14	LK	SW6010
Filtration	Completed					07/28/14	TH	0.45um Filter
Dissolved Mercury Digestion	Completed					07/29/14	I/I	SW7470
PCB Extraction (2 Liter)	Completed					07/28/14	L	SW3510
Extraction for Pest (2 Liter)	Completed					07/28/14	L	SW3510
Semi-Volatile Extraction	Completed					07/28/14	E/X	SW3520

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Dissolved Metals Preparation	Completed				07/28/14	TH	SW846-3005	
Pesticides								
4,4' -DDD	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
4,4' -DDE	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
4,4' -DDT	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
a-BHC	ND	0.005	0.005	ug/L	07/30/14	CE	SW8081	
a-chlordane	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
Alachlor	ND	0.075	0.075	ug/L	07/30/14	CE	SW8081	1
Aldrin	ND	0.002	0.002	ug/L	07/30/14	CE	SW8081	
b-BHC	ND	0.005	0.005	ug/L	07/30/14	CE	SW8081	
Chlordane	ND	0.030	0.030	ug/L	07/30/14	CE	SW8081	
d-BHC	ND	0.005	0.005	ug/L	07/30/14	CE	SW8081	
Dieldrin	ND	0.002	0.002	ug/L	07/30/14	CE	SW8081	
Endosulfan I	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
Endosulfan II	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
Endosulfan Sulfate	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
Endrin	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
Endrin Aldehyde	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
Endrin ketone	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
g-BHC (Lindane)	ND	0.005	0.005	ug/L	07/30/14	CE	SW8081	
g-chlordane	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
Heptachlor	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
Heptachlor epoxide	ND	0.010	0.010	ug/L	07/30/14	CE	SW8081	
Methoxychlor	ND	0.10	0.10	ug/L	07/30/14	CE	SW8081	
Toxaphene	ND	0.20	0.20	ug/L	07/30/14	CE	SW8081	
QA/QC Surrogates								
%DCBP (Surrogate Rec)	76			%	07/30/14	CE	SW8081	
%TCMX (Surrogate Rec)	83			%	07/30/14	CE	SW8081	
Polychlorinated Biphenyls								
PCB-1016	ND	0.050	0.050	ug/L	07/30/14	AW	608/ 8082	
PCB-1221	ND	0.050	0.050	ug/L	07/30/14	AW	608/ 8082	
PCB-1232	ND	0.050	0.050	ug/L	07/30/14	AW	608/ 8082	
PCB-1242	ND	0.050	0.050	ug/L	07/30/14	AW	608/ 8082	
PCB-1248	ND	0.050	0.050	ug/L	07/30/14	AW	608/ 8082	
PCB-1254	ND	0.050	0.050	ug/L	07/30/14	AW	608/ 8082	
PCB-1260	ND	0.050	0.050	ug/L	07/30/14	AW	608/ 8082	
PCB-1262	ND	0.050	0.050	ug/L	07/30/14	AW	608/ 8082	
PCB-1268	ND	0.050	0.050	ug/L	07/30/14	AW	608/ 8082	
QA/QC Surrogates								
% DCBP	76			%	07/30/14	AW	608/ 8082	
% TCMX	76			%	07/30/14	AW	608/ 8082	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/L	07/30/14	HM	SW8260	
1,1,1-Trichloroethane	ND	5.0	0.19	ug/L	07/30/14	HM	SW8260	
1,1,2,2-Tetrachloroethane	ND	1.0	0.15	ug/L	07/30/14	HM	SW8260	
1,1,2-Trichloroethane	ND	1.0	0.20	ug/L	07/30/14	HM	SW8260	
1,1-Dichloroethane	ND	5.0	0.23	ug/L	07/30/14	HM	SW8260	

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Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND		1.0	0.24	ug/L	07/30/14	HM	SW8260	
1,1-Dichloropropene	ND		1.0	0.20	ug/L	07/30/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		1.0	0.20	ug/L	07/30/14	HM	SW8260	B
1,2,3-Trichloropropane	ND		1.0	0.21	ug/L	07/30/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		1.0	0.18	ug/L	07/30/14	HM	SW8260	B
1,2,4-Trimethylbenzene	ND		1.0	0.18	ug/L	07/30/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		1.0	0.36	ug/L	07/30/14	HM	SW8260	
1,2-Dibromoethane	ND		1.0	0.20	ug/L	07/30/14	HM	SW8260	
1,2-Dichlorobenzene	ND		1.0	0.16	ug/L	07/30/14	HM	SW8260	
1,2-Dichloroethane	ND		0.60	0.20	ug/L	07/30/14	HM	SW8260	
1,2-Dichloropropane	ND		1.0	0.18	ug/L	07/30/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		1.0	0.21	ug/L	07/30/14	HM	SW8260	
1,3-Dichlorobenzene	ND		5.0	0.19	ug/L	07/30/14	HM	SW8260	
1,3-Dichloropropane	ND		1.0	0.22	ug/L	07/30/14	HM	SW8260	
1,4-Dichlorobenzene	ND		5.0	0.19	ug/L	07/30/14	HM	SW8260	
2,2-Dichloropropane	ND		1.0	0.16	ug/L	07/30/14	HM	SW8260	
2-Chlorotoluene	ND		1.0	0.23	ug/L	07/30/14	HM	SW8260	
2-Hexanone	ND		1.0	0.27	ug/L	07/30/14	HM	SW8260	
2-Isopropyltoluene	ND		1.0	0.21	ug/L	07/30/14	HM	SW8260	1
4-Chlorotoluene	ND		1.0	0.16	ug/L	07/30/14	HM	SW8260	
4-Methyl-2-pentanone	ND		1.0	0.19	ug/L	07/30/14	HM	SW8260	
Acetone	2.2	JS	5.0	0.31	ug/L	07/30/14	HM	SW8260	B*
Acrolein	ND		5.0	0.95	ug/L	07/30/14	HM	SW8260	
Acrylonitrile	ND		5.0	0.17	ug/L	07/30/14	HM	SW8260	
Benzene	ND		0.70	0.19	ug/L	07/30/14	HM	SW8260	
Bromobenzene	ND		1.0	0.20	ug/L	07/30/14	HM	SW8260	
Bromochloromethane	ND		1.0	0.22	ug/L	07/30/14	HM	SW8260	
Bromodichloromethane	ND		1.0	0.16	ug/L	07/30/14	HM	SW8260	
Bromoform	ND		5.0	0.10	ug/L	07/30/14	HM	SW8260	
Bromomethane	ND		5.0	0.50	ug/L	07/30/14	HM	SW8260	
Carbon Disulfide	ND		1.0	0.24	ug/L	07/30/14	HM	SW8260	
Carbon tetrachloride	ND		1.0	0.23	ug/L	07/30/14	HM	SW8260	
Chlorobenzene	ND		5.0	0.20	ug/L	07/30/14	HM	SW8260	
Chloroethane	ND		5.0	0.24	ug/L	07/30/14	HM	SW8260	
Chloroform	ND		5.0	0.22	ug/L	07/30/14	HM	SW8260	
Chloromethane	ND		5.0	0.21	ug/L	07/30/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L	07/30/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		0.40	0.15	ug/L	07/30/14	HM	SW8260	
Dibromochloromethane	ND		1.0	0.15	ug/L	07/30/14	HM	SW8260	
Dibromomethane	ND		1.0	0.23	ug/L	07/30/14	HM	SW8260	
Dichlorodifluoromethane	ND		1.0	0.26	ug/L	07/30/14	HM	SW8260	
Ethylbenzene	ND		1.0	0.19	ug/L	07/30/14	HM	SW8260	
Hexachlorobutadiene	ND		1.0	0.13	ug/L	07/30/14	HM	SW8260	
Isopropylbenzene	ND		1.0	0.22	ug/L	07/30/14	HM	SW8260	
m&p-Xylene	ND		1.0	0.42	ug/L	07/30/14	HM	SW8260	
Methyl ethyl ketone	ND		1.0	0.50	ug/L	07/30/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		1.0	0.19	ug/L	07/30/14	HM	SW8260	
Methylene chloride	ND		3.0	0.16	ug/L	07/30/14	HM	SW8260	
Naphthalene	0.32	J	1.0	0.19	ug/L	07/30/14	HM	SW8260	B*

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
n-Butylbenzene	ND	1.0	0.22	ug/L	07/30/14	HM	SW8260	
n-Propylbenzene	ND	1.0	0.20	ug/L	07/30/14	HM	SW8260	
o-Xylene	ND	1.0	0.45	ug/L	07/30/14	HM	SW8260	
p-Isopropyltoluene	ND	1.0	0.21	ug/L	07/30/14	HM	SW8260	
sec-Butylbenzene	ND	1.0	0.22	ug/L	07/30/14	HM	SW8260	
Styrene	ND	1.0	0.41	ug/L	07/30/14	HM	SW8260	
tert-Butylbenzene	ND	1.0	0.23	ug/L	07/30/14	HM	SW8260	
Tetrachloroethene	ND	1.0	0.24	ug/L	07/30/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	5.0	0.51	ug/L	07/30/14	HM	SW8260	1
Toluene	ND	1.0	0.20	ug/L	07/30/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	5.0	0.20	ug/L	07/30/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	0.40	0.14	ug/L	07/30/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	1.0	0.45	ug/L	07/30/14	HM	SW8260	
Trichloroethene	ND	1.0	0.18	ug/L	07/30/14	HM	SW8260	
Trichlorofluoromethane	ND	1.0	0.23	ug/L	07/30/14	HM	SW8260	
Trichlorotrifluoroethane	ND	1.0	0.23	ug/L	07/30/14	HM	SW8260	
Vinyl chloride	ND	1.0	0.14	ug/L	07/30/14	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	103			%	07/30/14	HM	70 - 121 %	
% Bromofluorobenzene	89			%	07/30/14	HM	59 - 113 %	
% Dibromofluoromethane	104			%	07/30/14	HM	70 - 130 %	
% Toluene-d8	100			%	07/30/14	HM	84 - 138 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/L	07/31/14	DD	SW 8270
1,2-Dichlorobenzene	ND	1.0	1.4	ug/L	07/31/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	5.0	1.6	ug/L	07/31/14	DD	SW 8270
1,3-Dichlorobenzene	ND	1.0	1.5	ug/L	07/31/14	DD	SW 8270
1,4-Dichlorobenzene	ND	1.0	1.5	ug/L	07/31/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	1.0	1.0	ug/L	07/31/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	1.0	1.0	ug/L	07/31/14	DD	SW 8270
2,4-Dichlorophenol	ND	1.0	1.0	ug/L	07/31/14	DD	SW 8270
2,4-Dimethylphenol	ND	1.0	1.0	ug/L	07/31/14	DD	SW 8270
2,4-Dinitrophenol	ND	1.0	1.0	ug/L	07/31/14	DD	SW 8270
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	07/31/14	DD	SW 8270
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	07/31/14	DD	SW 8270
2-Chloronaphthalene	ND	5.0	1.4	ug/L	07/31/14	DD	SW 8270
2-Chlorophenol	ND	1.0	1.0	ug/L	07/31/14	DD	SW 8270
2-Methylnaphthalene	ND	5.0	1.5	ug/L	07/31/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	1.0	1.0	ug/L	07/31/14	DD	SW 8270
2-Nitroaniline	ND	5.0	5.0	ug/L	07/31/14	DD	SW 8270
2-Nitrophenol	ND	1.0	1.0	ug/L	07/31/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	1.0	1.0	ug/L	07/31/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	5.0	2.4	ug/L	07/31/14	DD	SW 8270
3-Nitroaniline	ND	5.0	5.0	ug/L	07/31/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1.0	1.0	ug/L	07/31/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	07/31/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	1.0	1.0	ug/L	07/31/14	DD	SW 8270
4-Chloroaniline	ND	3.5	2.3	ug/L	07/31/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	07/31/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitroaniline	ND	5.0	1.7	ug/L	07/31/14	DD	SW 8270
4-Nitrophenol	ND	1.0	1.0	ug/L	07/31/14	DD	SW 8270
Acenaphthene	ND	5.0	1.5	ug/L	07/31/14	DD	SW 8270
Acetophenone	ND	5.0	1.6	ug/L	07/31/14	DD	SW 8270
Aniline	ND	3.5	5.0	ug/L	07/31/14	DD	SW 8270
Anthracene	ND	5.0	1.6	ug/L	07/31/14	DD	SW 8270
Benzidine	ND	4.5	2.9	ug/L	07/31/14	DD	SW 8270
Benzoic acid	ND	25	10	ug/L	07/31/14	DD	SW 8270
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	07/31/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	07/31/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	1.0	1.0	ug/L	07/31/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	07/31/14	DD	SW 8270
Carbazole	ND	25	3.8	ug/L	07/31/14	DD	SW 8270
Dibenzofuran	ND	5.0	1.5	ug/L	07/31/14	DD	SW 8270
Diethyl phthalate	ND	5.0	1.6	ug/L	07/31/14	DD	SW 8270
Dimethylphthalate	ND	5.0	1.6	ug/L	07/31/14	DD	SW 8270
Di-n-butylphthalate	ND	5.0	1.3	ug/L	07/31/14	DD	SW 8270
Di-n-octylphthalate	ND	5.0	1.3	ug/L	07/31/14	DD	SW 8270
Fluoranthene	ND	5.0	1.6	ug/L	07/31/14	DD	SW 8270
Fluorene	ND	5.0	1.7	ug/L	07/31/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	07/31/14	DD	SW 8270
Isophorone	ND	5.0	1.4	ug/L	07/31/14	DD	SW 8270
Naphthalene	ND	5.0	1.4	ug/L	07/31/14	DD	SW 8270
N-Nitrosodimethylamine	ND	1.0	1.0	ug/L	07/31/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	07/31/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	07/31/14	DD	SW 8270
Phenol	ND	1.0	1.6	ug/L	07/31/14	DD	SW 8270
Pyrene	ND	5.0	1.7	ug/L	07/31/14	DD	SW 8270
Pyridine	ND	10	1.2	ug/L	07/31/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	70			%	07/31/14	DD	19 - 122 %
% 2-Fluorobiphenyl	72			%	07/31/14	DD	30 - 115 %
% 2-Fluorophenol	51			%	07/31/14	DD	25 - 121 %
% Nitrobenzene-d5	69			%	07/31/14	DD	23 - 120 %
% Phenol-d5	51			%	07/31/14	DD	24 - 113 %
% Terphenyl-d14	43			%	07/31/14	DD	18 - 137 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.50	0.50	ug/L	07/30/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.10	0.10	ug/L	07/30/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.06	0.02	0.02	ug/L	07/30/14	DD	SW8270 (SIM)
Benzo(a)pyrene	0.04	0.02	0.02	ug/L	07/30/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	0.06	0.02	0.02	ug/L	07/30/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	0.03	0.02	0.02	ug/L	07/30/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	0.03	0.02	0.02	ug/L	07/30/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.0	1.0	ug/L	07/30/14	DD	SW8270 (SIM)
Chrysene	0.06	0.02	0.02	ug/L	07/30/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	07/30/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	07/30/14	DD	SW8270 (SIM)
Hexachlorobutadiene	ND	0.40	0.40	ug/L	07/30/14	DD	SW8270 (SIM)

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Hexachloroethane	ND	0.50	0.50	ug/L	07/30/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	0.02	0.02	0.02	ug/L	07/30/14	DD	SW8270 (SIM)
Nitrobenzene	ND	0.10	0.10	ug/L	07/30/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	0.10	ug/L	07/30/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	0.80	ug/L	07/30/14	DD	SW8270 (SIM)
Phenanthrene	0.10	0.10	0.10	ug/L	07/30/14	DD	SW8270 (SIM)
QA/QC Surrogates							
% 2,4,6-Tribromophenol	90			%	07/30/14	DD	15 - 110 %
% 2-Fluorobiphenyl	79			%	07/30/14	DD	30 - 115 %
% 2-Fluorophenol	67			%	07/30/14	DD	15 - 110 %
% Nitrobenzene-d5	95			%	07/30/14	DD	23 - 120 %
% Phenol-d5	66			%	07/30/14	DD	15 - 110 %
% Terphenyl-d14	48			%	07/30/14	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.
B = Present in blank, no bias suspected.

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

Comments:

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
August 04, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 04, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		07/25/14	15:00
Location Code:	EBC	Received by:	SW	07/28/14	18:40
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG83045
Phoenix ID: BG83049

Project ID: 26 WEST ST BROOKLYN NY
Client ID: GW TRIP BLANK

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND		1.0	0.19	ug/L	07/30/14	HM	SW8260	
1,1,1-Trichloroethane	ND		5.0	0.19	ug/L	07/30/14	HM	SW8260	
1,1,2,2-Tetrachloroethane	ND		1.0	0.15	ug/L	07/30/14	HM	SW8260	
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L	07/30/14	HM	SW8260	
1,1-Dichloroethane	ND		5.0	0.23	ug/L	07/30/14	HM	SW8260	
1,1-Dichloroethene	ND		1.0	0.24	ug/L	07/30/14	HM	SW8260	
1,1-Dichloropropene	ND		1.0	0.20	ug/L	07/30/14	HM	SW8260	
1,2,3-Trichlorobenzene	0.21	J	1.0	0.20	ug/L	07/30/14	HM	SW8260	B*
1,2,3-Trichloropropane	ND		1.0	0.21	ug/L	07/30/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		1.0	0.18	ug/L	07/30/14	HM	SW8260	B
1,2,4-Trimethylbenzene	ND		1.0	0.18	ug/L	07/30/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		1.0	0.36	ug/L	07/30/14	HM	SW8260	
1,2-Dibromoethane	ND		1.0	0.20	ug/L	07/30/14	HM	SW8260	
1,2-Dichlorobenzene	ND		1.0	0.16	ug/L	07/30/14	HM	SW8260	
1,2-Dichloroethane	ND		0.60	0.20	ug/L	07/30/14	HM	SW8260	
1,2-Dichloropropane	ND		1.0	0.18	ug/L	07/30/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		1.0	0.21	ug/L	07/30/14	HM	SW8260	
1,3-Dichlorobenzene	ND		5.0	0.19	ug/L	07/30/14	HM	SW8260	
1,3-Dichloropropane	ND		1.0	0.22	ug/L	07/30/14	HM	SW8260	
1,4-Dichlorobenzene	ND		5.0	0.19	ug/L	07/30/14	HM	SW8260	
2,2-Dichloropropane	ND		1.0	0.16	ug/L	07/30/14	HM	SW8260	
2-Chlorotoluene	ND		1.0	0.23	ug/L	07/30/14	HM	SW8260	
2-Hexanone	ND		1.0	0.27	ug/L	07/30/14	HM	SW8260	
2-Isopropyltoluene	ND		1.0	0.21	ug/L	07/30/14	HM	SW8260	1
4-Chlorotoluene	ND		1.0	0.16	ug/L	07/30/14	HM	SW8260	
4-Methyl-2-pentanone	ND		1.0	0.19	ug/L	07/30/14	HM	SW8260	

Project ID: 26 WEST ST BROOKLYN NY
Client ID: GW TRIP BLANK

Phoenix I.D.: BG83049

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Acetone	2.1	JS	5.0	0.31	ug/L	07/30/14	HM	SW8260	B*
Acrolein	ND		5.0	0.95	ug/L	07/30/14	HM	SW8260	
Acrylonitrile	ND		5.0	0.17	ug/L	07/30/14	HM	SW8260	
Benzene	ND		0.70	0.19	ug/L	07/30/14	HM	SW8260	
Bromobenzene	ND		1.0	0.20	ug/L	07/30/14	HM	SW8260	
Bromochloromethane	ND		1.0	0.22	ug/L	07/30/14	HM	SW8260	
Bromodichloromethane	ND		1.0	0.16	ug/L	07/30/14	HM	SW8260	
Bromoform	ND		5.0	0.10	ug/L	07/30/14	HM	SW8260	
Bromomethane	ND		5.0	0.50	ug/L	07/30/14	HM	SW8260	
Carbon Disulfide	ND		1.0	0.24	ug/L	07/30/14	HM	SW8260	
Carbon tetrachloride	ND		1.0	0.23	ug/L	07/30/14	HM	SW8260	
Chlorobenzene	ND		5.0	0.20	ug/L	07/30/14	HM	SW8260	
Chloroethane	ND		5.0	0.24	ug/L	07/30/14	HM	SW8260	
Chloroform	ND		5.0	0.22	ug/L	07/30/14	HM	SW8260	
Chloromethane	ND		5.0	0.21	ug/L	07/30/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L	07/30/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		0.40	0.15	ug/L	07/30/14	HM	SW8260	
Dibromochloromethane	ND		1.0	0.15	ug/L	07/30/14	HM	SW8260	
Dibromomethane	ND		1.0	0.23	ug/L	07/30/14	HM	SW8260	
Dichlorodifluoromethane	ND		1.0	0.26	ug/L	07/30/14	HM	SW8260	
Ethylbenzene	ND		1.0	0.19	ug/L	07/30/14	HM	SW8260	
Hexachlorobutadiene	ND		1.0	0.13	ug/L	07/30/14	HM	SW8260	
Isopropylbenzene	ND		1.0	0.22	ug/L	07/30/14	HM	SW8260	
m&p-Xylene	ND		1.0	0.42	ug/L	07/30/14	HM	SW8260	
Methyl ethyl ketone	ND		1.0	0.50	ug/L	07/30/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		1.0	0.19	ug/L	07/30/14	HM	SW8260	
Methylene chloride	ND		3.0	0.16	ug/L	07/30/14	HM	SW8260	
Naphthalene	0.21	J	1.0	0.19	ug/L	07/30/14	HM	SW8260	B*
n-Butylbenzene	ND		1.0	0.22	ug/L	07/30/14	HM	SW8260	
n-Propylbenzene	ND		1.0	0.20	ug/L	07/30/14	HM	SW8260	
o-Xylene	ND		1.0	0.45	ug/L	07/30/14	HM	SW8260	
p-Isopropyltoluene	ND		1.0	0.21	ug/L	07/30/14	HM	SW8260	
sec-Butylbenzene	ND		1.0	0.22	ug/L	07/30/14	HM	SW8260	
Styrene	ND		1.0	0.41	ug/L	07/30/14	HM	SW8260	
tert-Butylbenzene	ND		1.0	0.23	ug/L	07/30/14	HM	SW8260	
Tetrachloroethene	ND		1.0	0.24	ug/L	07/30/14	HM	SW8260	
Tetrahydrofuran (THF)	ND		5.0	0.51	ug/L	07/30/14	HM	SW8260	1
Toluene	ND		1.0	0.20	ug/L	07/30/14	HM	SW8260	
trans-1,2-Dichloroethene	ND		5.0	0.20	ug/L	07/30/14	HM	SW8260	
trans-1,3-Dichloropropene	ND		0.40	0.14	ug/L	07/30/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND		1.0	0.45	ug/L	07/30/14	HM	SW8260	
Trichloroethene	ND		1.0	0.18	ug/L	07/30/14	HM	SW8260	
Trichlorofluoromethane	ND		1.0	0.23	ug/L	07/30/14	HM	SW8260	
Trichlorotrifluoroethane	ND		1.0	0.23	ug/L	07/30/14	HM	SW8260	
Vinyl chloride	ND		1.0	0.14	ug/L	07/30/14	HM	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100				%	07/30/14	HM	70 - 121 %	
% Bromofluorobenzene	87				%	07/30/14	HM	59 - 113 %	
% Dibromofluoromethane	95				%	07/30/14	HM	70 - 130 %	

Project ID: 26 WEST ST BROOKLYN NY
Client ID: GW TRIP BLANK

Phoenix I.D.: BG83049

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Toluene-d8	102			%	07/30/14	HM	84 - 138 %

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.
B = Present in blank, no bias suspected.

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

Comments:

TRIP BLANK INCLUDED.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
August 04, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Sample Criteria Exceedences Report

GBG83045 - EBC

Criteria: NY: GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG83045	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG83045	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BG83045	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG83045	$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002	ug/L
BG83045	$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.04	0.02	0.002	0.002	ug/L
BG83045	$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.02	0.02	0.002	0.002	ug/L
BG83045	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002	ug/L
BG83045	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG83045	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG83045	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG83045	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG83045	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.03	0.02	0.002	0.002	ug/L
BG83045	$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.04	0.02	0.002	0.002	ug/L
BG83045	$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.03	0.02	0.002	0.002	ug/L
BG83045	$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.20	0.06	0.06	ug/L
BG83045	D-AL	Aluminum (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.15	0.01	0.1	0.1	mg/L
BG83045	DMN-WMDP	Manganese, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	1.21	0.005	0.3	0.3	mg/L
BG83045	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	249	1.1	20	20	mg/L
BG83045	DTL-WMDP	Thallium , (Dissolved)	NY / TOGS - Water Quality / GA Criteria	BRL	0.001	0.0005	0.0005	mg/L
BG83046	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BG83046	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG83046	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG83046	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG83046	$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.02	0.02	0.002	0.002	ug/L
BG83046	$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG83046	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG83046	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG83046	$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG83046	$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG83046	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG83046	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG83046	$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.02	0.02	0.002	0.002	ug/L
BG83046	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG83046	$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.20	0.06	0.06	ug/L
BG83046	D-AL	Aluminum (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.16	0.01	0.1	0.1	mg/L
BG83046	DFE-WMDP	Iron, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.47	0.01	0.3	0.3	mg/L
BG83046	DMN-WMDP	Manganese, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	2.78	0.053	0.3	0.3	mg/L
BG83046	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	328	1.1	20	20	mg/L
BG83046	DTL-WMDP	Thallium , (Dissolved)	NY / TOGS - Water Quality / GA Criteria	BRL	0.001	0.0005	0.0005	mg/L
BG83047	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L

Sample Criteria Exceedences Report

GBG83045 - EBC

Criteria: NY: GW
State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG83047	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG83047	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG83047	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG83047	$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG83047	$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG83047	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG83047	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG83047	$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG83047	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG83047	$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG83047	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG83047	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG83047	$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG83047	$DPPEST_GA	4,4' -DDE	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.015	0.01	0.01	ug/L
BG83047	$DPPEST_GA	Endrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.015	0.01	0.01	ug/L
BG83047	$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.20	0.06	0.06	ug/L
BG83047	D-AL	Aluminum (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.79	0.01	0.1	0.1	mg/L
BG83047	DFE-WMDP	Iron, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	1.85	0.01	0.3	0.3	mg/L
BG83047	DMN-WMDP	Manganese, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	3.04	0.053	0.3	0.3	mg/L
BG83047	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	327	1.1	20	20	mg/L
BG83047	DTL-WMDP	Thallium , (Dissolved)	NY / TOGS - Water Quality / GA Criteria	BRL	0.001	0.0005	0.0005	mg/L
BG83048	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG83048	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BG83048	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG83048	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.02	0.02	0.002	0.002	ug/L
BG83048	$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.06	0.02	0.002	0.002	ug/L
BG83048	$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.04	0.02	0.002	0.002	ug/L
BG83048	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.06	0.02	0.002	0.002	ug/L
BG83048	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002	ug/L
BG83048	$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.06	0.02	0.002	0.002	ug/L
BG83048	$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.06	0.02	0.002	0.002	ug/L
BG83048	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.03	0.02	0.002	0.002	ug/L
BG83048	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.06	0.02	0.002	0.002	ug/L
BG83048	$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.06	0.02	0.002	0.002	ug/L
BG83048	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	0.02	0.02	0.002	0.002	ug/L
BG83048	$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.20	0.06	0.06	ug/L
BG83048	D-AL	Aluminum (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.16	0.01	0.1	0.1	mg/L
BG83048	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	61.5	0.11	20	20	mg/L
BG83048	DTL-WMDP	Thallium , (Dissolved)	NY / TOGS - Water Quality / GA Criteria	BRL	0.001	0.0005	0.0005	mg/L
BG83049	$8260DP25R	Hexachlorobutadiene	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.5	0.5	ug/L

Sample Criteria Exceedences Report

GBG83045 - EBC

Criteria: NY: GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG83049	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG83049	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG83049	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BG83049	$8260DP25R	1,3-Dichlorobenzene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	3	3	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

August 04, 2014

SDG I.D.: GBG83045

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: ☑ PK ☐ ICE ☐ No ☐
Temp °C Pg of

PHOENIX Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

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

Contact Options:
☐ Fax:
☐ Phone:
☒ Email: File

Customer: EBC
Address: Ridge NY

Project: 26 West Street Brooklyn NY
Report to:
Invoice to:
Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification
Sampler's Signature: [signature] Date: 7-28-14

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

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOC's	SVOC's	Pest/PCB	TAL Metals Filtered Dissolved	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is ☒ HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is ☒ 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
83045	B1	GW	7-28-14	3:00	X	X	X	X				3	3	1				
83046	B2	↓	↓	3:15	X	X	X	X				3	3	1				
83047	B2 Duplicate			3:25	X	X	X	X				3	2	1				
83048	B4			3:40	X	X	X	X				3	3	1				
83049	GW Trip Blank											1						

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	7-14	10:40
P. Conway for RS	[signature]	7/28/14	1840

Comments, Special Requirements or Regulations:

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

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

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

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

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

State where samples were collected: NY

PHOENIX
Environmental Laboratories, Inc.

Monday, July 28, 2014

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

Project ID: 26 WEST ST., BROOKLYN
Sample ID#s: BG80615 - BG80618

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

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

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

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

Sincerely yours,

Phyllis Shiller
Laboratory Director

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

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 28, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	KW	07/22/14	11:35
Location Code:	EBC	Received by:	LB	07/23/14	17:29
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG80615
Phoenix ID: BG80615

Project ID: 26 WEST ST., BROOKLYN
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*	07/23/14	KCA	TO15	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	07/23/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	07/23/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	07/23/14	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	07/23/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	07/23/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	07/23/14	KCA	TO15	
1,2,4-Trimethylbenzene	15.3	*0.204*	75.2	*1.00*	07/23/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	07/23/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/23/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	07/23/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	07/23/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	07/23/14	KCA	TO15	
1,3,5-Trimethylbenzene	4.10	*0.204*	20.1	*1.00*	07/23/14	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	07/23/14	KCA	TO15	
1,3-Dichlorobenzene	0.480	*0.166*	2.88	*1.00*	07/23/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/23/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	07/23/14	KCA	TO15	
2-Hexanone(MBK)	21.9	*0.244*	89.6	*1.00*	07/23/14	KCA	TO15	1
4-Ethyltoluene	2.65	*0.204*	13.0	*1.00*	07/23/14	KCA	TO15	1
4-Isopropyltoluene	0.960	*0.182*	5.27	*1.00*	07/23/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	1.46	*0.244*	5.98	*1.00*	07/23/14	KCA	TO15	
Acetone	185	*0.421*	439	*1.00*	07/23/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	07/23/14	KCA	TO15	
Benzene	ND	*0.313*	ND	*1.00*	07/23/14	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	07/23/14	KCA	TO15	

Project ID: 26 WEST ST., BROOKLYN
Client ID: SG1

Phoenix I.D.: BG80615

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	07/23/14	KCA	TO15	
Bromoform	ND	*0.097*	ND	*1.00*	07/23/14	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	07/23/14	KCA	TO15	
Carbon Disulfide	0.650	*0.321*	2.02	*1.00*	07/23/14	KCA	TO15	
Carbon Tetrachloride	ND	*0.040*	ND	*0.25*	07/23/14	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	07/23/14	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	07/23/14	KCA	TO15	
Chloroform	ND	*0.205*	ND	*1.00*	07/23/14	KCA	TO15	
Chloromethane	ND	*0.484*	ND	*1.00*	07/23/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	07/23/14	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	07/23/14	KCA	TO15	
Cyclohexane	ND	*0.291*	ND	*1.00*	07/23/14	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	07/23/14	KCA	TO15	
Dichlorodifluoromethane	0.430	*0.202*	2.12	*1.00*	07/23/14	KCA	TO15	
Ethanol	72.7	*0.531*	137	*1.00*	07/23/14	KCA	TO15	1
Ethyl acetate	0.830	*0.278*	2.99	*1.00*	07/23/14	KCA	TO15	1
Ethylbenzene	2.25	*0.230*	9.76	*1.00*	07/23/14	KCA	TO15	
Heptane	1.24	*0.244*	5.08	*1.00*	07/23/14	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	07/23/14	KCA	TO15	
Hexane	0.670	*0.284*	2.36	*1.00*	07/23/14	KCA	TO15	
Isopropylalcohol	4.11	*0.407*	10.1	*1.00*	07/23/14	KCA	TO15	
Isopropylbenzene	0.630	*0.204*	3.10	*1.00*	07/23/14	KCA	TO15	
m,p-Xylene	9.39	*0.230*	40.7	*1.00*	07/23/14	KCA	TO15	
Methyl Ethyl Ketone	57.3	*0.339*	169	*1.00*	07/23/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	07/23/14	KCA	TO15	
Methylene Chloride	ND	*0.288*	ND	*1.00*	07/23/14	KCA	TO15	
n-Butylbenzene	1.34	*0.182*	7.35	*1.00*	07/23/14	KCA	TO15	1
o-Xylene	4.67	*0.230*	20.3	*1.00*	07/23/14	KCA	TO15	
Propylene	17.5	*0.581*	30.1	*1.00*	07/23/14	KCA	TO15	1
sec-Butylbenzene	0.640	*0.182*	3.51	*1.00*	07/23/14	KCA	TO15	1
Styrene	5.33	*0.235*	22.7	*1.00*	07/23/14	KCA	TO15	
Tetrachloroethene	1.50	*0.037*	10.2	*0.25*	07/23/14	KCA	TO15	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	07/23/14	KCA	TO15	1
Toluene	2.39	*0.266*	9.00	*1.00*	07/23/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	07/23/14	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	07/23/14	KCA	TO15	
Trichloroethene	0.250	*0.047*	1.34	*0.25*	07/23/14	KCA	TO15	
Trichlorofluoromethane	0.390	*0.178*	2.19	*1.00*	07/23/14	KCA	TO15	
Trichlorotrifluoroethane	ND	*0.130*	ND	*1.00*	07/23/14	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	07/23/14	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	112	*%*	112	*%*	07/23/14	KCA	TO15	

Project ID: 26 WEST ST., BROOKLYN

Client ID: SG1

Phoenix I.D.: BG80615

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

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

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

Comments:

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

Phyllis Shiller, Laboratory Director

July 28, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 28, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	KW	07/22/14	11:42
Location Code:	EBC	Received by:	LB	07/23/14	17:29
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG80615
Phoenix ID: BG80616

Project ID: 26 WEST ST., BROOKLYN
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*	07/23/14	KCA	TO15	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	07/23/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	07/23/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	07/23/14	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	07/23/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	07/23/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	07/23/14	KCA	TO15	
1,2,4-Trimethylbenzene	17.0	*0.204*	83.5	*1.00*	07/23/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	07/23/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/23/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	07/23/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	07/23/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	07/23/14	KCA	TO15	
1,3,5-Trimethylbenzene	5.17	*0.204*	25.4	*1.00*	07/23/14	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	07/23/14	KCA	TO15	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/23/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/23/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	07/23/14	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	07/23/14	KCA	TO15	1
4-Ethyltoluene	3.23	*0.204*	15.9	*1.00*	07/23/14	KCA	TO15	1
4-Isopropyltoluene	0.830	*0.182*	4.55	*1.00*	07/23/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	3.95	*0.244*	16.2	*1.00*	07/23/14	KCA	TO15	
Acetone	7.40	*0.421*	17.6	*1.00*	07/23/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	07/23/14	KCA	TO15	
Benzene	0.640	*0.313*	2.04	*1.00*	07/23/14	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	07/23/14	KCA	TO15	

Project ID: 26 WEST ST., BROOKLYN
Client ID: SG4

Phoenix I.D.: BG80616

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND		*0.149*	ND	*1.00*	07/23/14	KCA	TO15	
Bromoform	ND		*0.097*	ND	*1.00*	07/23/14	KCA	TO15	
Bromomethane	ND		*0.258*	ND	*1.00*	07/23/14	KCA	TO15	
Carbon Disulfide	0.350		*0.321*	1.09	*1.00*	07/23/14	KCA	TO15	
Carbon Tetrachloride	ND		*0.040*	ND	*0.25*	07/23/14	KCA	TO15	
Chlorobenzene	ND		*0.217*	ND	*1.00*	07/23/14	KCA	TO15	
Chloroethane	ND		*0.379*	ND	*1.00*	07/23/14	KCA	TO15	
Chloroform	1.91		*0.205*	9.32	*1.00*	07/23/14	KCA	TO15	
Chloromethane	ND		*0.484*	ND	*1.00*	07/23/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	07/23/14	KCA	TO15	
cis-1,3-Dichloropropene	ND		*0.220*	ND	*1.00*	07/23/14	KCA	TO15	
Cyclohexane	ND		*0.291*	ND	*1.00*	07/23/14	KCA	TO15	
Dibromochloromethane	ND		*0.117*	ND	*1.00*	07/23/14	KCA	TO15	
Dichlorodifluoromethane	0.340		*0.202*	1.68	*1.00*	07/23/14	KCA	TO15	
Ethanol	314	E	*0.531*	591	*1.00*	07/23/14	KCA	TO15	1
Ethyl acetate	2.63		*0.278*	9.47	*1.00*	07/23/14	KCA	TO15	1
Ethylbenzene	5.85		*0.230*	25.4	*1.00*	07/23/14	KCA	TO15	
Heptane	0.890		*0.244*	3.64	*1.00*	07/23/14	KCA	TO15	
Hexachlorobutadiene	ND		*0.094*	ND	*1.00*	07/23/14	KCA	TO15	
Hexane	0.400		*0.284*	1.41	*1.00*	07/23/14	KCA	TO15	
Isopropylalcohol	1.71		*0.407*	4.20	*1.00*	07/23/14	KCA	TO15	
Isopropylbenzene	1.12		*0.204*	5.50	*1.00*	07/23/14	KCA	TO15	
m,p-Xylene	21.5		*0.230*	93.3	*1.00*	07/23/14	KCA	TO15	
Methyl Ethyl Ketone	1.43		*0.339*	4.21	*1.00*	07/23/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	ND	*1.00*	07/23/14	KCA	TO15	
Methylene Chloride	ND		*0.288*	ND	*1.00*	07/23/14	KCA	TO15	
n-Butylbenzene	ND		*0.182*	ND	*1.00*	07/23/14	KCA	TO15	1
o-Xylene	9.72		*0.230*	42.2	*1.00*	07/23/14	KCA	TO15	
Propylene	ND		*0.581*	ND	*1.00*	07/23/14	KCA	TO15	1
sec-Butylbenzene	0.600		*0.182*	3.29	*1.00*	07/23/14	KCA	TO15	1
Styrene	10.7		*0.235*	45.6	*1.00*	07/23/14	KCA	TO15	
Tetrachloroethene	0.430		*0.037*	2.91	*0.25*	07/23/14	KCA	TO15	
Tetrahydrofuran	ND		*0.339*	ND	*1.00*	07/23/14	KCA	TO15	1
Toluene	6.56		*0.266*	24.7	*1.00*	07/23/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	07/23/14	KCA	TO15	
trans-1,3-Dichloropropene	ND		*0.220*	ND	*1.00*	07/23/14	KCA	TO15	
Trichloroethene	0.060		*0.047*	0.322	*0.25*	07/23/14	KCA	TO15	
Trichlorofluoromethane	0.350		*0.178*	1.96	*1.00*	07/23/14	KCA	TO15	
Trichlorotrifluoroethane	ND		*0.130*	ND	*1.00*	07/23/14	KCA	TO15	
Vinyl Chloride	ND		*0.098*	ND	*0.25*	07/23/14	KCA	TO15	
QA/QC Surrogates									
% Bromofluorobenzene	113		*%*	113	*%*	07/23/14	KCA	TO15	

Project ID: 26 WEST ST., BROOKLYN

Client ID: SG4

Phoenix I.D.: BG80616

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

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

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

Comments:

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

July 28, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 28, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	KW	07/22/14	11:35
Location Code:	EBC	Received by:	LB	07/23/14	17:29
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG80615
Phoenix ID: BG80617

Project ID: 26 WEST ST., BROOKLYN
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*	07/23/14	KCA	TO15	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	07/23/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	07/23/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	07/23/14	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	07/23/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	07/23/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	07/23/14	KCA	TO15	
1,2,4-Trimethylbenzene	19.2	*0.204*	94.3	*1.00*	07/23/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	07/23/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/23/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	07/23/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	07/23/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	07/23/14	KCA	TO15	
1,3,5-Trimethylbenzene	5.84	*0.204*	28.7	*1.00*	07/23/14	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	07/23/14	KCA	TO15	
1,3-Dichlorobenzene	0.350	*0.166*	2.10	*1.00*	07/23/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/23/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	07/23/14	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	07/23/14	KCA	TO15	1
4-Ethyltoluene	4.04	*0.204*	19.8	*1.00*	07/23/14	KCA	TO15	1
4-Isopropyltoluene	0.800	*0.182*	4.39	*1.00*	07/23/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	3.58	*0.244*	14.6	*1.00*	07/23/14	KCA	TO15	
Acetone	81.2	*0.421*	193	*1.00*	07/23/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	07/23/14	KCA	TO15	
Benzene	0.830	*0.313*	2.65	*1.00*	07/23/14	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	07/23/14	KCA	TO15	

Project ID: 26 WEST ST., BROOKLYN
Client ID: SG3

Phoenix I.D.: BG80617

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND		*0.149*	ND	*1.00*	07/23/14	KCA	TO15	
Bromoform	ND		*0.097*	ND	*1.00*	07/23/14	KCA	TO15	
Bromomethane	ND		*0.258*	ND	*1.00*	07/23/14	KCA	TO15	
Carbon Disulfide	1.49		*0.321*	4.64	*1.00*	07/23/14	KCA	TO15	
Carbon Tetrachloride	ND		*0.040*	ND	*0.25*	07/23/14	KCA	TO15	
Chlorobenzene	ND		*0.217*	ND	*1.00*	07/23/14	KCA	TO15	
Chloroethane	ND		*0.379*	ND	*1.00*	07/23/14	KCA	TO15	
Chloroform	ND		*0.205*	ND	*1.00*	07/23/14	KCA	TO15	
Chloromethane	ND		*0.484*	ND	*1.00*	07/23/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	07/23/14	KCA	TO15	
cis-1,3-Dichloropropene	ND		*0.220*	ND	*1.00*	07/23/14	KCA	TO15	
Cyclohexane	0.320		*0.291*	1.10	*1.00*	07/23/14	KCA	TO15	
Dibromochloromethane	ND		*0.117*	ND	*1.00*	07/23/14	KCA	TO15	
Dichlorodifluoromethane	0.430		*0.202*	2.12	*1.00*	07/23/14	KCA	TO15	
Ethanol	293	E	*0.531*	552	*1.00*	07/23/14	KCA	TO15	1
Ethyl acetate	1.91		*0.278*	6.88	*1.00*	07/23/14	KCA	TO15	1
Ethylbenzene	7.30		*0.230*	31.7	*1.00*	07/23/14	KCA	TO15	
Heptane	1.21		*0.244*	4.96	*1.00*	07/23/14	KCA	TO15	
Hexachlorobutadiene	ND		*0.094*	ND	*1.00*	07/23/14	KCA	TO15	
Hexane	0.610		*0.284*	2.15	*1.00*	07/23/14	KCA	TO15	
Isopropylalcohol	1.72		*0.407*	4.22	*1.00*	07/23/14	KCA	TO15	
Isopropylbenzene	1.15		*0.204*	5.65	*1.00*	07/23/14	KCA	TO15	
m,p-Xylene	26.1		*0.230*	113	*1.00*	07/23/14	KCA	TO15	
Methyl Ethyl Ketone	11.6		*0.339*	34.2	*1.00*	07/23/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	ND	*1.00*	07/23/14	KCA	TO15	
Methylene Chloride	0.690		*0.288*	2.40	*1.00*	07/23/14	KCA	TO15	
n-Butylbenzene	1.09		*0.182*	5.98	*1.00*	07/23/14	KCA	TO15	1
o-Xylene	11.2		*0.230*	48.6	*1.00*	07/23/14	KCA	TO15	
Propylene	2.57		*0.581*	4.42	*1.00*	07/23/14	KCA	TO15	1
sec-Butylbenzene	0.440		*0.182*	2.41	*1.00*	07/23/14	KCA	TO15	1
Styrene	12.8		*0.235*	54.5	*1.00*	07/23/14	KCA	TO15	
Tetrachloroethene	0.850		*0.037*	5.76	*0.25*	07/23/14	KCA	TO15	
Tetrahydrofuran	ND		*0.339*	ND	*1.00*	07/23/14	KCA	TO15	1
Toluene	8.95		*0.266*	33.7	*1.00*	07/23/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	07/23/14	KCA	TO15	
trans-1,3-Dichloropropene	ND		*0.220*	ND	*1.00*	07/23/14	KCA	TO15	
Trichloroethene	0.080		*0.047*	0.430	*0.25*	07/23/14	KCA	TO15	
Trichlorofluoromethane	0.400		*0.178*	2.24	*1.00*	07/23/14	KCA	TO15	
Trichlorotrifluoroethane	ND		*0.130*	ND	*1.00*	07/23/14	KCA	TO15	
Vinyl Chloride	ND		*0.098*	ND	*0.25*	07/23/14	KCA	TO15	
QA/QC Surrogates									
% Bromofluorobenzene	111		*%*	111	*%*	07/23/14	KCA	TO15	

Project ID: 26 WEST ST., BROOKLYN

Client ID: SG3

Phoenix I.D.: BG80617

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

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

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

Comments:

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Phyllis Shiller, Laboratory Director

July 28, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 28, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	KW	07/22/14	11:44
Location Code:	EBC	Received by:	LB	07/23/14	17:29
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG80615
Phoenix ID: BG80618

Project ID: 26 WEST ST., BROOKLYN
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*	07/23/14	KCA	TO15	1
1,1,1-Trichloroethane	1.21	*0.183*	6.60	*1.00*	07/23/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	07/23/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	07/23/14	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	07/23/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	07/23/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	07/23/14	KCA	TO15	
1,2,4-Trimethylbenzene	21.9	*0.204*	108	*1.00*	07/23/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	07/23/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/23/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	07/23/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	07/23/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	07/23/14	KCA	TO15	
1,3,5-Trimethylbenzene	6.30	*0.204*	31.0	*1.00*	07/23/14	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	07/23/14	KCA	TO15	
1,3-Dichlorobenzene	1.42	*0.166*	8.53	*1.00*	07/23/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/23/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	07/23/14	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	07/23/14	KCA	TO15	1
4-Ethyltoluene	4.21	*0.204*	20.7	*1.00*	07/23/14	KCA	TO15	1
4-Isopropyltoluene	1.61	*0.182*	8.83	*1.00*	07/23/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	4.90	*0.244*	20.1	*1.00*	07/23/14	KCA	TO15	
Acetone	123	*0.421*	292	*1.00*	07/23/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	07/23/14	KCA	TO15	
Benzene	1.17	*0.313*	3.74	*1.00*	07/23/14	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	07/23/14	KCA	TO15	

Project ID: 26 WEST ST., BROOKLYN
Client ID: SG2

Phoenix I.D.: BG80618

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND		*0.149*	ND	*1.00*	07/23/14	KCA	TO15	
Bromoform	ND		*0.097*	ND	*1.00*	07/23/14	KCA	TO15	
Bromomethane	ND		*0.258*	ND	*1.00*	07/23/14	KCA	TO15	
Carbon Disulfide	0.690		*0.321*	2.15	*1.00*	07/23/14	KCA	TO15	
Carbon Tetrachloride	0.050		*0.040*	0.314	*0.25*	07/23/14	KCA	TO15	
Chlorobenzene	ND		*0.217*	ND	*1.00*	07/23/14	KCA	TO15	
Chloroethane	ND		*0.379*	ND	*1.00*	07/23/14	KCA	TO15	
Chloroform	0.270		*0.205*	1.32	*1.00*	07/23/14	KCA	TO15	
Chloromethane	ND		*0.484*	ND	*1.00*	07/23/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	07/23/14	KCA	TO15	
cis-1,3-Dichloropropene	ND		*0.220*	ND	*1.00*	07/23/14	KCA	TO15	
Cyclohexane	ND		*0.291*	ND	*1.00*	07/23/14	KCA	TO15	
Dibromochloromethane	ND		*0.117*	ND	*1.00*	07/23/14	KCA	TO15	
Dichlorodifluoromethane	0.470		*0.202*	2.32	*1.00*	07/23/14	KCA	TO15	
Ethanol	252	E	*0.531*	474	*1.00*	07/23/14	KCA	TO15	1
Ethyl acetate	4.08		*0.278*	14.7	*1.00*	07/23/14	KCA	TO15	1
Ethylbenzene	5.59		*0.230*	24.2	*1.00*	07/23/14	KCA	TO15	
Heptane	1.02		*0.244*	4.18	*1.00*	07/23/14	KCA	TO15	
Hexachlorobutadiene	ND		*0.094*	ND	*1.00*	07/23/14	KCA	TO15	
Hexane	0.540		*0.284*	1.90	*1.00*	07/23/14	KCA	TO15	
Isopropylalcohol	2.05		*0.407*	5.04	*1.00*	07/23/14	KCA	TO15	
Isopropylbenzene	1.24		*0.204*	6.09	*1.00*	07/23/14	KCA	TO15	
m,p-Xylene	20.6		*0.230*	89.4	*1.00*	07/23/14	KCA	TO15	
Methyl Ethyl Ketone	12.0		*0.339*	35.4	*1.00*	07/23/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	ND	*1.00*	07/23/14	KCA	TO15	
Methylene Chloride	0.500		*0.288*	1.74	*1.00*	07/23/14	KCA	TO15	
n-Butylbenzene	1.81		*0.182*	9.93	*1.00*	07/23/14	KCA	TO15	1
o-Xylene	9.39		*0.230*	40.7	*1.00*	07/23/14	KCA	TO15	
Propylene	2.65		*0.581*	4.56	*1.00*	07/23/14	KCA	TO15	1
sec-Butylbenzene	1.22		*0.182*	6.69	*1.00*	07/23/14	KCA	TO15	1
Styrene	11.8		*0.235*	50.2	*1.00*	07/23/14	KCA	TO15	
Tetrachloroethene	0.710		*0.037*	4.81	*0.25*	07/23/14	KCA	TO15	
Tetrahydrofuran	ND		*0.339*	ND	*1.00*	07/23/14	KCA	TO15	1
Toluene	8.15		*0.266*	30.7	*1.00*	07/23/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	07/23/14	KCA	TO15	
trans-1,3-Dichloropropene	ND		*0.220*	ND	*1.00*	07/23/14	KCA	TO15	
Trichloroethene	ND		*0.047*	ND	*0.25*	07/23/14	KCA	TO15	
Trichlorofluoromethane	0.460		*0.178*	2.58	*1.00*	07/23/14	KCA	TO15	
Trichlorotrifluoroethane	ND		*0.130*	ND	*1.00*	07/23/14	KCA	TO15	
Vinyl Chloride	ND		*0.098*	ND	*0.25*	07/23/14	KCA	TO15	
QA/QC Surrogates									
% Bromofluorobenzene	112		*%*	112	*%*	07/23/14	KCA	TO15	

Project ID: 26 WEST ST., BROOKLYN

Client ID: SG2

Phoenix I.D.: BG80618

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

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

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

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Phyllis Shiller, Laboratory Director

July 28, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

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QA/QC Report

July 28, 2014

QA/QC Data

SDG I.D.: GBG80615

QA/QC Batch 281051, QC Sample No: BG77772 (BG80615, BG80616, BG80617, BG80618)

Volatiles

Parameter	Blank ppbv	Blank ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
1,1,1,2-Tetrachloroethane	ND	ND	129	ND	ND	ND	ND	NC	70 - 130	20
1,1,1-Trichloroethane	ND	ND	113	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	107	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethane	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethene	ND	ND	98	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trichlorobenzene	ND	ND	116	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trimethylbenzene	ND	ND	114	6.44	6.68	1.31	1.36	3.7	70 - 130	20
1,2-Dibromoethane(EDB)	ND	ND	111	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorobenzene	ND	ND	115	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichloroethane	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
1,2-dichloropropane	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorotetrafluoroethane	ND	ND	121	ND	ND	ND	ND	NC	70 - 130	20
1,3,5-Trimethylbenzene	ND	ND	110	1.72	1.72	0.350	0.350	0.0	70 - 130	20
1,3-Butadiene	ND	ND	97	ND	ND	ND	ND	NC	70 - 130	20
1,3-Dichlorobenzene	ND	ND	113	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dichlorobenzene	ND	ND	115	6.67	6.73	1.11	1.12	0.9	70 - 130	20
1,4-Dioxane	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
2-Hexanone(MBK)	ND	ND	105	ND	ND	ND	ND	NC	70 - 130	20
4-Ethyltoluene	ND	ND	111	1.38	1.18	0.280	0.240	15.4	70 - 130	20
4-Isopropyltoluene	ND	ND	111	1.64	1.64	0.300	0.300	0.0	70 - 130	20
4-Methyl-2-pentanone(MIBK)	ND	ND	104	5.61	5.61	1.37	1.37	0.0	70 - 130	20
Acetone	ND	ND	103	71.7	73.1	30.2	30.8	2.0	70 - 130	20
Acrylonitrile	ND	ND	103	ND	ND	ND	ND	NC	70 - 130	20
Benzene	ND	ND	98	ND	ND	ND	ND	NC	70 - 130	20
Benzyl chloride	ND	ND	>140	ND	ND	ND	ND	NC	70 - 130	20
Bromodichloromethane	ND	ND	114	ND	ND	ND	ND	NC	70 - 130	20
Bromoform	ND	ND	138	ND	ND	ND	ND	NC	70 - 130	20
Bromomethane	ND	ND	103	ND	ND	ND	ND	NC	70 - 130	20
Carbon Disulfide	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
Carbon Tetrachloride	ND	ND	120	0.880	0.880	0.140	0.140	0.0	70 - 130	20
Chlorobenzene	ND	ND	105	ND	ND	ND	ND	NC	70 - 130	20
Chloroethane	ND	ND	98	ND	ND	ND	ND	NC	70 - 130	20
Chloroform	ND	ND	100	5.95	5.95	1.22	1.22	0.0	70 - 130	20
Chloromethane	ND	ND	97	1.61	1.61	0.780	0.780	0.0	70 - 130	20
Cis-1,2-Dichloroethene	ND	ND	109	ND	ND	ND	ND	NC	70 - 130	20
cis-1,3-Dichloropropene	ND	ND	110	ND	ND	ND	ND	NC	70 - 130	20
Cyclohexane	ND	ND	95	ND	ND	ND	ND	NC	70 - 130	20
Dibromochloromethane	ND	ND	125	ND	ND	ND	ND	NC	70 - 130	20
Dichlorodifluoromethane	ND	ND	107	2.17	2.27	0.440	0.460	4.4	70 - 130	20
Ethanol	ND	ND	94	550	563	292	299	2.4	70 - 130	20

QA/QC Data

SDG I.D.: GBG80615

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	114	7.96	7.89	2.21	2.19	0.9	70 - 130	20
Ethylbenzene	ND	ND	113	7.64	7.90	1.76	1.82	3.4	70 - 130	20
Heptane	ND	ND	93	4.01	4.05	0.980	0.990	1.0	70 - 130	20
Hexachlorobutadiene	ND	ND	97	ND	ND	ND	ND	NC	70 - 130	20
Hexane	ND	ND	95	2.50	3.17	0.710	0.900	23.6	70 - 130	20
Isopropylalcohol	ND	ND	107	53.8	55.5	21.9	22.6	3.1	70 - 130	20
Isopropylbenzene	ND	ND	111	ND	ND	ND	ND	NC	70 - 130	20
m,p-Xylene	ND	ND	115	28.5	28.6	6.56	6.60	0.6	70 - 130	20
Methyl Ethyl Ketone	ND	ND	104	6.28	6.22	2.13	2.11	0.9	70 - 130	20
Methyl tert-butyl ether(MTBE)	ND	ND	117	ND	ND	ND	ND	NC	70 - 130	20
Methylene Chloride	ND	ND	88	12.8	15.3	3.68	4.40	17.8	70 - 130	20
n-Butylbenzene	ND	ND	114	1.48	1.48	0.270	0.270	0.0	70 - 130	20
o-Xylene	ND	ND	112	9.03	9.37	2.08	2.16	3.8	70 - 130	20
Propylene	ND	ND	96	11.7	12.2	6.81	7.09	4.0	70 - 130	20
sec-Butylbenzene	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20
Styrene	ND	ND	116	1.96	2.00	0.460	0.470	2.2	70 - 130	20
Tetrachloroethene	ND	ND	113	21.4	21.1	3.15	3.12	1.0	70 - 130	20
Tetrahydrofuran	ND	ND	103	ND	ND	ND	ND	NC	70 - 130	20
Toluene	ND	ND	108	59.5	60.2	15.8	16.0	1.3	70 - 130	20
Trans-1,2-Dichloroethene	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
trans-1,3-Dichloropropene	ND	ND	120	ND	ND	ND	ND	NC	70 - 130	20
Trichloroethene	ND	ND	102	1.45	1.50	0.270	0.280	3.6	70 - 130	20
Trichlorofluoromethane	ND	ND	113	1.74	1.74	0.310	0.310	0.0	70 - 130	20
Trichlorotrifluoroethane	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
Vinyl Chloride	ND	ND	96	ND	ND	ND	ND	NC	70 - 130	20
% Bromofluorobenzene	106	106	102	104	104	104	104	0.0	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
July 28, 2014

Sample Criteria Exceedences Report

GBG80615 - EBC

Criteria: None

State: NY

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

*** No Data to Display ***

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

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CHAIN OF CUSTODY RECORD
AIR ANALYSES

800-827-5426

email: greg@phoenixlabs.com

P.O. #

Data Delivery:
- ☐ Fax #:
- ☒ Email: File
- ☐ Phone #:

Report to: Kevin Waters

Customer: EBC

Address:

Invoice to: EBC

Sampled by: KW

Project Name: 26 West St BK NY

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

State where samples collected: NY

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-14	TO-15
		THIS SECTION FOR LAB USE ONLY											MATRIX			ANALYSES	
80615	Sg1	357	6.0	-30	-8	5656	41.6	1005	1135	7-22	-28	-9		X			X
80616	Sg4	457	↓	↓	-5	4980*	↓	1000	1142	7-22	-30	-9		↓			↓
80617	Sg3	371	↓	↓	-7	4484	↓	1009	1135	7-22	-28	-9		↓			↓
80618	Sg2	172	↓	↓	-5	4495	↓	1007	1144	7-22	-30	-8		↓			↓
	6L 2hr																

Relinquished by:	Accepted by:	Date:	Time:
		7-23-14	8:50
		7-23-14	1729

Data Format: Excel ☒ Equis ☐ GISKey ☐ PDF ☒ Other: ☐

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

did not RCV '4980' Reg LRB

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: