

183 MCGUINNESS BOULEVARD

BROOKLYN, NEW YORK 11222

Remedial Investigation Report

NYC VCP Site Number: TBD

OER Site Number: 17TMP0396K, 17HAZ163K

Prepared for:

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REMEDIAL INVESTIGATION REPORT

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LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
AST	Above-ground Storage Tank
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, Patrick Recio, 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 183 McGuinness Boulevard, Brooklyn, NY, (NYC VCP Site No. TBD and OER project Number (17TMP0396K, 17HAZ163K). 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.

Patrick Recio

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 183 McGuinness Boulevard in the Greenpoint section of Brooklyn, New York, and is currently identified as Block 2599, Lot 19 on the New York City Tax Map. Figure 1 shows the Site location. Lot 19 is a rectangular shaped lot consisting of 25 feet of street frontage on McGuinness Boulevard and a depth of approximately 100 feet, for a total area of approximately 2,500 ft². The Site is located on the west side of McGuinness Boulevard between Calyer Street and Meserole Avenue and is bordered by residential, multi-family buildings to the west and south, a single-story building utilized as parking to the north and a transportation/utility building and gasoline filling station to the east beyond McGuinness Boulevard. A map of the site boundary is shown on Figure 2.

The first nine feet of Lot 19 is occupied by a vestibule area for the basement entrance and the porch steps up to the first floor entrance along McGuinness Boulevard. The next 47 feet of the lot is developed with 2-story, multi-family house that has an attached single-story building in the rear yard and a cellar level at approximately 5 feet below sidewalk grade. The building was vacant at the time of the remedial investigation.

Summary of Proposed Redevelopment Plan

EBC at this time has not received redevelopment plans but was given information regarding the proposed building and approximate excavation depths.

The development project consists of redeveloping the lot with a new 5-story residential building with cellar level occupying the first 65 feet of the Site. The remaining 35 feet will be occupied by a capped rear yard.



The building footprint will cover 65 feet of the lot. The property will have a full height basement level beneath the entire building footprint and will require an additional 6 feet of excavation within the the first 41 feet of the Site a depth of at least 11 feet below grade. The remaining 24 feet of the building's footprint will required excavation from grade to the cellar depth of at least 11 feet. The last 35 feet of the property will be utilized as a rear yard and require excavation of approximately 2 feet below grade. Therefore, an estimated 538 cubic yards (807 tons) of soil will require excavation for the new building's cellar and rear yard. The water table is expected at approximately 15 feet below grade surface (bgs), and will not be encountered during excavation.

Upon delivery of the proposed redevelopment plans EBC will forward the document to OER. The current zoning designation is R7A. The proposed use is consistent with existing zoning for the property.

Summary of Past Uses of Site and Areas of Concern

A Site History summary was completed by EBC in January of 2017. The following Site history was established based on historic Sanborn maps, aerial photographs, and city directories:

A Site history was compiled dating back to 1887. Each of the Sanborn maps indicated the Site was developed prior to 1887 with the same 2-story residential building with a attached single-story building; that has occupied the Site until present day.

Based on the subject site's history and surrounding properties, and review of historical records and regulatory agency databases, No Recognized Environmental Conditions (RECs) were identified for the property.

The property was not listed on any of the Federal, State or City (with exception of the E) environmental databases. There is no record of tanks being registered to the property, although a 275-gallon above-ground storage tank (AST) was observed in the basement of the building during a Site inspection on December 27, 2016.



The property was assigned an E-designation (E-232) for Hazmat during the Greenpoint-Williamsburg Contextual Rezoning action completed by the City in July of 2009.

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

1. The presence of pesticide and metal impacted soil to a depth to at least 2 feet below sidewalk grade in the rear yard and 2 feet below cellar grade

Summary of the Work Performed under the Remedial Investigation

EBC performed the following scope of work at the Site in January of 2017:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed three soil borings across the Site, and collected six soil samples and one duplicate soil sample for chemical analysis from the soil borings to evaluate soil quality;
3. Installed one groundwater monitoring well on the Site and collected one groundwater sample and one duplicate groundwater sample for chemical analysis to evaluate groundwater quality; and
4. Installed three soil gas implants and collected three soil gas samples for chemical analysis.

Summary of Environmental Findings

1. The elevation of the Site is approximately 41 feet above sea level.
2. Depth to groundwater is estimated to be approximately 15 feet below sidewalk grade.
3. Groundwater flow is generally east northeast.
4. Depth to bedrock at the Site is greater than 100 feet.
5. The stratigraphy of the Site from the surface down consists of dark top soil material with no indication of historic fill material in the rear yard to depths as great as 3 feet underlain by native brown silt to fine sand. Below cellar grade the stratigraphy consisted of light brown silty sand to a depth of 3 feet below cellar grade underlain with brown silt to fine sand.
6. Soil/fill samples results were compared to NYSDEC Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Restricted Residential Soil Cleanup Objectives (RRSCO) as presented in 6NYCRR Part 375-6.8. Soil/fill sample results showed no PCBs were



detected within any of the six soil samples collected. Trace concentrations of several VOCs, were detected within the six soil samples collected, none of which exceeded Unrestricted Use SCOs. Trace concentrations of three SVOCs, were detected within the shallow soil sample within the rear yard and within one of the borings within the building's cellar. These detections did not exceed Unrestricted Use SCOs. Four pesticides including, 4,4'-DDE (maximum [max.] 23 µg/kg), 4,4'-DDT (max. of 60 µg/kg), chlordane (max. of 490 µg/kg) and dieldrin (max. of 17 µg/kg) were detected above Unrestricted Use SCOs. Two metals, lead (at 114 mg/kg) and mercury (at 0.29 mg/kg) exceeded Unrestricted Use SCOs within the one shallow soil sample in the rear yard. Overall the soil results from the 0-2 foot intervals were unremarkable.

7. Groundwater samples results were compared to New York State 6NYCRR Part 703.5 Class GA groundwater quality standards (GQS). Groundwater samples showed no SVOCs or PCBs within in any sample. Trace concentrations of several VOCs were detected and none of these VOCs exceeded their respective GQSs. Four pesticides including, 4,4-DDT (max. of 0.025 µg/L), chlordane (max. of 0.33 µg/L), dieldrin (max. of 0.016 µg/L), and heptachlor epoxide (max. of 0.019 µg/L) exceeding their respective GQSs within the groundwater sample that was collected. Several trace amount of total metals were detected with only, iron (max. of 31 mg/L) and manganese (max. of 1.39 mg/L) exceeding their respective GQS in the groundwater sample. Several trace amounts of dissolved metals were detected with only sodium (max. of 15.1 mg/L) in all the groundwater sample, exceeding its respective GQS.
8. Soil vapor results collected during the RI were compared to the compounds listed in Table 3.1 Air Guidance Values derived by the New York State Department of Health (NYSDOH) located in the NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion, dated October 2006. Soil vapor results indicated elevated levels of petroleum related and moderate levels of chlorinated VOCs in all soil vapor samples. Total concentrations of petroleum-related VOCs (BTEX) ranged from 1,153.22 µg/m³ to 1,327.54 µg/m³. The petroleum related VOC, m&p-Xylene, was detected with the highest concentration of 946 µg/m³. The chlorinated VOC, trichloroethene (TCE) was detected in two of the three soil gas samples at concentration ranging from 0.26 µg/m³ to 0.67 µg/m³. Tetrachloroethene (PCE) was detected in all three soil gas samples at maximum concentration of 37.4

$\mu\text{g}/\text{m}^3$. Carbon tetrachloride was detected at a maximum concentration of $0.58 \mu\text{g}/\text{m}^3$ in two of the three soil gas samples. 1,1,1-trichloroethane was not detected within any of the soil gas samples that were collected. Concentrations of chlorinated VOCs were below the monitoring matrix as established by NYSDOH.



REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

Jacobs Construction has applied to enroll in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 0.06-acre Site located at 183 McGuinness Boulevard in the Greenpoint section of Brooklyn, New York. The Site will be redeveloped with a 5-story residential building with a cellar. The RI work was conducted on the Site in January of 2017. 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 183 McGuinness Boulevard in the Greenpoint section of Brooklyn, New York, and is currently identified as Block 2599, Lot 19 on the New York City Tax Map. Figure 1 shows the Site location. Lot 19 is a rectangular shaped lot consisting of 25 feet of street frontage on McGuinness Boulevard and a depth of approximately 100 feet for a total of approximately 2,500 ft². The Site is located on the west side of McGuinness Boulevard between Calyer Street and Meserole Avenue and is boarded by residential, multi-family buildings to the west and south, a single-story building utilized as parking to the north, and a transportation/utility building and gasoline filling station to the east beyond McGuinness Boulevard. A map of the site boundary is shown on Figure 2.

The first nine feet of Lot 19 is occupied by a vestibule area for the basement entrance and the porch steps up to the first floor entrance along McGuinness Boulevard. The next 47 feet of the lot is developed with 2-story, 1&2 family house that has an attached single-story building in the rear yard and a cellar level at approximately 5 feet below sidewalk grade. The building was vacant at the time of the remedial investigation.

1.2 Proposed Redevelopment Plan

EBC at this time has not received redevelopment plans but was given information regarding the proposed building and approximate excavation depths.

The development project consists of redeveloping the lot with a new 5-story residential building with cellar level occupying the first 65 feet of the Site. The remaining 35 feet will be occupied by a capped rear yard.

The building footprint will cover 65 feet of the lot. The property will have a full height basement level beneath the entire building footprint and will require an additional 6 feet of excavation within the the first 41 feet of the Site a depth of at least 11 feet below grade. The remaining 24 feet of the building's footprint will required excavation from grade to the cellar depth of at least 11 feet. The last 35 feet of the property will be utilized as a rear yard and require excavation of approximately 2 feet below grade. Therefore, an estimated 538 cubic yards (807 tons) of soil will require excavation for the new building's cellar and rear yard. The water table is expected at approximately 15 feet below grade surface (bgs), and will not be encountered during excavation.

Upon delivery of the proposed redevelopment plans EBC will forward the document to OER. The current zoning designation is R7A. The proposed use is consistent with existing zoning for the property.

1.3 Description of Surrounding Property

The area immediately surrounding Site consists of residential, multi-family buildings to the west and south, a single-story buliding utilized as parking to the north, and a transportation/utility building and gasoine filling station to the easty beyond McGuinness Boulevard. A map of the site boundary is shown on Figure 2. Figure 4 shows the surrounding land usage of the adjacent properties listed below as well as additional properties located up to 500 feet away from the Site. There are no schools, day care centers or hospitals within a 250 foot radius of the property.

Surrounding Property Usage

Direction	Property Description
North – Adjacent Properties	<u>Block 2599, Lot 18</u> – 185 McGuinness Boulevard A 2,500 ft ² lot developed with a single story building and utilized as parking.
South – Adjacent Property	<u>Block 2599 Lot 20</u> – 181 McGuinness Boulevard A 2,500 ft ² lot developed as a 3-story residential multi-family walk up.
East –	<u>Block 2600, Lot 1</u> - 176 McGuinness Boulevard

Across McGuinness Boulevard	A 11,250 ft ² lot developed with a single story building utilized as an auto repair facility and a gasoline filling station.
West – Adjacent Property	<u>Block 2599, Lot 5 – 266 Eckford Street</u> A 2,500 ft ² lot developed with a 3-story residential: multi-family walkup building.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

A Site History summary was completed by EBC in January of 2017. The following Site history was established based on historic Sanborn maps, aerial photographs, and city directories:

A Site history was compiled dating back to 1887. Each of the Sanborn maps indicated the Site was developed prior to 1887 with the same 2-story residential building with a single-story building attached that has occupied the Site until present day.

Based on the subject site's history and surrounding properties, and review of historical records and regulatory agency databases, No Recognized Environmental Conditions (RECs) were identified for the property.

The property was not listed on any of the Federal, State or City (with exception of the E) environmental databases. There is no record of tanks being registered to the property, although a 275-gallon above-ground storage tank (AST) was discovered in the basement of the building during a Site inspection on December 27, 2016.

The property was assigned E-designations (E-232) for Hazmat during the Greenpoint-Williamsburg Contextural Rezoning action completed by the City in July of 2009.

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 December 27, 2016, beginning at approximately 12:00 pm. The reconnaissance included a visual inspection of the property, the

view from the sidewalk in front of the Site consisted of a developed property with a 2-story, residential apartment building. One aboveground storage tank (AST) was observed during the site inspection of the building's basement. The AST has an underground line running across the basement to the boiler.

2.4 Areas of Concern

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

1. The presence of pesticide and metal impacted soil to a depth to at least 2 feet below sidewalk grade in the rear yard and 2 feet below cellar grade.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Patrick Recio.

3.2 Health and Safety

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

3.3 Materials Management

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

4.0 REMEDIAL INVESTIGATION ACTIVITIES

EBC performed the following scope of work at the Site in January 2017:

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

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

4.1 Geophysical Investigation

A geophysical investigation was not performed as a part of this assessment because there was no history of USTs on the Site or in the database searches, and the redevelopment plans require excavation of the entire property to be excavated to a depth of approximately 11 feet.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

On January 17, 2017 three soil borings (SB1 through SB3) were installed in the approximate locations shown on Figure 5. The three soil boring locations were chosen to gain representative soil quality information across the Site. For each of the three soil borings, two soil samples were collected. For soil boring SB1 samples were collected continuously from grade to a final depth of 6 feet below existing grade using a bosch hammer and hand auger sampler with two-foot acetate liners. For soil borings SB2 and SB3 samples were collected continuously from cellar grade to a final depth of 6 feet below cellar grade using a bosch hammer and hand auger sampler with two-foot acetate liners. From soil boring SB1, soil samples were retained for laboratory analysis from an intervals of 0 to 2 feet and 4-6 feet below existing grade. From soil borings SB2 and SB3, soil samples were retained for laboratory analysis from an intervals of 0 to 2 feet and 4-6 feet below cellar grade. 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.

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

Groundwater Monitoring Well Construction

One temporary 1-inch diameter PVC monitoring well (GW2) with 5 feet of 0.010 slot screen were installed by EBC at the approximate location shown on Figure 5, set to intersect the water table. Since groundwater was encountered at approximately 15 feet below grade, monitoring well was installed to a depth of 16 feet due to access issues and the installation of the groundwater sampling point with the bosch hammer and hand auger to the terminal depth. Monitoring well sampling details are provided in Table 1. The monitoring well location is 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 monitoring well. 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

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

Groundwater Sampling

One groundwater sample was collected for chemical analysis during this RI. Groundwater sample were collected from the monitoring wells utilizing a check valve. The groundwater sample was 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 10. 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. Due to access issues in the rear yard GW1 could not be installed to a depth to intersect the groundwater table. Due to refusal within the vestibule of the building, GW3 was also unable to be installed.

Soil Vapor Sampling

Three soil vapor probes (SV1, SV2, and SV3) were installed and three soil vapor samples were collected for chemical analysis during this RI. The three 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*.

Three soil vapor probes were installed using bosch hammer and the hand auger equipment. 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 213859, which are constructed of a 6-inch length of double woven stainless steel wire. The three soil vapor probes installed on January 17, 2017, were installed to a depth of 9 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 three soil vapor probes was conducted on January 20, 2017. Prior to sampling, each sampling location was tested to ensure a proper surface seal had been obtained. In accordance with NYSDOH guidance (NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, February 2005), a tracer gas (helium) was used as a quality assurance/quality control device to verify the integrity of the sampling point seal prior to collecting the samples. Prior to testing and collecting samples, the surface immediately surrounding the polyethylene tubing of the vapor implant was sealed using a 1 foot ft by 1 ft square sheet of 2 mil HDPE plastic firmly adhered to a wetted layer of granular bentonite. The seal was then tested by enriching the air space above the seal with a tracer gas (helium) while continuously monitoring air drawn from the implant with a helium detector (Dielectric Model MGD-2002, Multi-Gas Detector) for a minimum of 15 minutes. The tracer gas test procedure was employed at all four soil vapor sampling locations. No surface seal leaks were observed at any of the locations.

Following verification that the surface seal was tight, one to three volumes (i.e., the volume of the sample probe and tube) of air was purged from the implant using a calibrated vacuum pump. After purging, a 6-liter Summa® canister, fitted with a 2-hour flow regulator, was attached to the surface tube of each of the four vapor implants. Prior to initiating sample collection, sample identification, canister number, date and start time were recorded on tags attached to each canister and in a bound field note book. Sampling then proceeded by fully opening the flow control valve on each canister in turn. Immediately after opening the flow control valve on a canister, the initial vacuum (inches of mercury) was recorded in the field book and on the sample tag. When the vacuum level in the canister was between 5 and 8 inches of mercury (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: <ul style="list-style-type: none"> • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Soil vapor analytical methods: <ul style="list-style-type: none"> • VOCs by TO-15 VOC parameters.

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Tables 2 through 11. 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 dark top soil material with no indication of historic fill material in the rear yard to depths as great as 3 feet underlain by native brown silt to fine sand. Below cellar grade the stratigraphy consisted of light brown silty sand to a depth of 3 feet below cellar grade underlain with brown silt to fine sand.

Hydrogeology

A table of water level data for monitoring well GW2 is included in Table 1. The average depth to groundwater is 15 feet. Groundwater flow is generally east northeast.

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.

Soil/fill sample results showed no PCBs were detected within any of the six soil samples collected. Trace concentrations of several VOCs, were detected within the six soil samples collected, none of which exceeded Unrestricted Use SCOs. Trace concentrations of three SVOCs, were detected within the shallow soil sample within the rear yard and within one of the borings within the building's cellar. These detections did not exceed Unrestricted Use SCOs. Four pesticides including, 4,4'-DDE (max. of 23 µg/kg), 4,4'-DDT (max. of 60 µg/kg), chlordane (max. of 490 µg/kg) and dieldrin (max. of 17 µg/kg) were detected above Unrestricted Use SCOs. Two metals, lead (at 114 mg/kg) and mercury (at 0.29 mg/kg) exceeded Unrestricted Use SCOs within the one shallow soil sample in the rear yard. Overall the soil results from the 0-2 foot intervals were unremarkable.

5.3 Groundwater Chemistry

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site. A summary table of data for chemical analyses performed on

groundwater samples is included in Tables 6 through 10. Figure 7 shows the location and posts the values for groundwater that exceed the New York State 6NYCRR Part 703.5 Class GA groundwater standards.

Groundwater samples results were compared to New York State 6NYCRR Part 703.5 Class GA groundwater quality standards (GQS). Groundwater samples showed no SVOCs or PCBs within in any sample. Trace concentrations of several VOCs were detected and none of these VOCs exceeded their respective GQSs. Four pesticides including, 4,4-DDT (max. of 0.025 µg/L), chlordane (max. of 0.33 µg/L), dieldrin (max. of 0.016 µg/L), and heptachlor epoxide (max. of 0.019 µg/L) exceeding their respective GQSs within the groundwater sample that was collected. Several trace amount of total metals were detected with only, iron (max. of 31 mg/L) and manganese (max. of 1.39 mg/L) exceeding their respective GQS in the groundwater sample. Several trace amounts of dissolved metals were detected with only sodium (max. of 15.1 mg/L) in all the groundwater sample, exceeding its respective GQS.

5.4 Soil Vapor Chemistry

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site. A summary table of data for chemical analyses performed on soil vapor samples is included in Table 11. Figure 8 shows the locations and all detections from the soil vapor sampling event.

Soil vapor results collected during the RI were compared to the compounds listed in Table 3.1 Air Guidance Values derived by the New York State Department of Health (NYSDOH) located in the NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion, dated October 2006. Soil vapor results indicated elevated levels of petroleum related and moderate levels of chlorinated VOCs in all soil vapor samples. Total concentrations of petroleum-related VOCs (BTEX) ranged from 1,153.22 µg/m³ to 1,327.54 µg/m³. The petroleum related VOC, m&p-Xylene, was detected with the highest concentration of 946 µg/m³. The chlorinated VOC, trichloroethene (TCE) was detected in two of the three soil gas samples at concentration ranging from 0.26 µg/m³ to 0.67 µg/m³. Tetrachloroethene (PCE) was detected in all three soil gas samples at

maximum concentration of 37.4 $\mu\text{g}/\text{m}^3$. Carbon tetrachloride was detected at a maximum concentration of 0.58 $\mu\text{g}/\text{m}^3$ in two of the three soil gas samples. 1,1,1-trichloroethane was not detected within any of the soil gas samples that were collected. Concentrations of chlorinated VOCs were below the monitoring matrix as established by NYSDOH.

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
 183 McGuinness Boulevard
 Brooklyn, New York
 Soil Boring / Well Information

SAMPLE ID	Date	Total Depth (ft)	Diameter (in)	Construction Materials	Screen Length (ft)	DTW (ft)	Survey Reading	GW ELV
SB1	1/17/2017	6	2	Bosch Hammer and Hand Auger	-	-		
SB2*	1/17/2017	6	2	Bosch Hammer and Hand Auger	-	-		
SB3*	1/17/2017	6	2	Bosch Hammer and Hand Auger	-	-		
GW2	1/20/2017	16	1	PVC	5.00	15.00		

*Soil boring conducted at cellar grade

TABLE 2
183 McGuinness Boulevard
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*	SB1				SB2				SB3				Duplicate	
			(0-2') 1/17/2017		(4-6') 1/17/2017		(0-2') BCG 1/17/2017		(4-6') BCG 1/17/2017		(0-2') BCG 1/17/2017		(4-6') BCG 1/17/2017		SB2 (0-2') 1/17/2017	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane			<20	20	<4.7	4.7	<1.3	1.3	<1.1	1.1	<1.5	1.5	<3.7	3.7	<3.4	3.4
1,1,1-Trichloroethane	680	100,000	<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
1,1,2,2-Tetrachloroethane			<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
1,1,2-Trichloroethane			<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
1,1-Dichloroethane	270	26,000	<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
1,1-Dichloroethene	330	100,000	<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
1,1-Dichloropropene			<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
1,2,3-Trichlorobenzene			<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
1,2,3-Trichloropropane			<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
1,2,4-Trichlorobenzene			<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
1,2,4-Trimethylbenzene	3,600	52,000	35	5.0	6.6	4.7	<3.4	3.4	<2.7	2.7	14	3.7	<2.9	2.9	<3.4	3.4
1,2-Dibromo-3-chloropropane			<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
1,2-Dibromomethane			<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
1,2-Dichlorobenzene	1,100	100,000	<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
1,2-Dichloroethane	20	3,100	<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
1,2-Dichloropropane			<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
1,3,5-Trimethylbenzene	8,400	52,000	9.1	5.0	1.6	4.7	<3.4	3.4	<2.7	2.7	3.4	3.7	<2.9	2.9	<3.4	3.4
1,3-Dichlorobenzene	2,400	4,900	1.2	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
1,3-Dichloropropane			<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
1,4-Dichlorobenzene	1,800	13,000	<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
1,4-dioxane	100	13,000	<75	75	<71	71	<51	51	<41	41	<55	55	<44	44	<52	52
2,2-Dichloropropane			<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
2-Chlorotoluene			<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
2-Hexanone (Methyl Butyl Ketone)			<25	25	<24	24	<17	17	<14	14	<18	18	<15	15	<17	17
2-Isopropyltoluene			<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
4-Chlorotoluene			<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
4-Methyl-2-Pentanone			<25	25	<24	24	<17	17	<14	14	<18	18	<15	15	<17	17
Acetone	50	100,000	<25	25	6.8	17	4.9	17	3.9	14	7.5	18	4.7	15	4.5	17
Acrolein			<20	20	<19	19	<13	13	<11	11	<15	15	<12	12	<14	14
Acrylonitrile			<20	20	<9.4	9.4	<13	13	<11	11	<15	15	<12	12	<14	14
Benzene	60	4,800	<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
Bromobenzene			<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
Bromochloromethane			<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
Bromodichloromethane			<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
Bromoform			<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
Bromomethane			<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
Carbon Disulfide			<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
Carbon tetrachloride	760	2,400	<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
Chlorobenzene	1,100	100,000	<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
Chloroethane			<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
Chloroform	370	49,000	<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
Chloromethane			<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
cis-1,2-Dichloroethane	250	100,000	<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
cis-1,3-Dichloropropene			<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
Dibromochloromethane			<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
Dibromomethane			<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
Dichlorodifluoromethane			<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
Ethylbenzene	1,000	41,000	6.6	5.0	1.5	4.7	<3.4	3.4	<2.7	2.7	3.8	3.7	<2.9	2.9	<3.4	3.4
Hexachlorobutadiene			<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
Isopropylbenzene			1.2	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	0.46	3.7	<2.9	2.9	<3.4	3.4
m,p-Xylenes	260	100,000	30	5.0	8.3	4.7	1.3	3.4	0.79	2.7	17	3.7	0.78	2.9	1.1	3.4
Methyl Ethyl Ketone (2-Butanone)	120	100,000	<30	30	<28	28	<20	20	<16	16	<22	22	<17	17	<21	21
Methyl t-butyl ether (MTBE)	930	100,000	<10	10	<9.4	9.4	<6.7	6.7	<5.4	5.4	<7.3	7.3	<5.8	5.8	<6.9	6.9
Methylene chloride	50	100,000	<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
Naphthalene			5.5	5.0	2.2	4.7	<3.4	3.4	<2.7	2.7	1.5	3.7	<2.9	2.9	<3.4	3.4
n-Butylbenzene	12,000	100,000	0.75	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	0.46	3.7	<2.9	2.9	<3.4	3.4
n-Propylbenzene	3,900	100,000	3.2	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	1.6	3.7	<2.9	2.9	<3.4	3.4
o-Xylene	260	100,000	19	5.0	4.6	4.7	<3.4	3.4	<2.7	2.7	7.9	3.7	<2.9	2.9	<3.4	3.4
p-Isopropyltoluene			<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
sec-Butylbenzene	11,000	100,000	0.61	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
Styrene			<100	100	<94	94	<67	67	<54	54	<73	73	<58	58	<69	69
tert-butyl alcohol			<100	100	<94	94	<67	67	<54	54	<73	73	<58	58	<69	69
tert-Butylbenzene	5,900	100,000	<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
Tetrachloroethene	1,300	19,000	<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
Tetrahydrofuran (THF)			<10	10	<9.4	9.4	<6.7	6.7	<5.4	5.4	<7.3	7.3	<5.8	5.8	<6.9	6.9
Toluene	700	100,000	8.6	5.0	2.7	4.7	<3.4	3.4	<2.7	2.7	6.3	3.7	<2.9	2.9	<3.4	3.4
trans-1,2-Dichloroethane	190	100,000	<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<3.4	3.4
trans-1,3-Dichloropropene			<5.0	5.0	<4.7	4.7	<3.4	3.4	<2.7	2.7	<3.7	3.7	<2.9	2.9	<	

TABLE 3
183 McGuinness Boulevard
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*	SB1				SB2				SB3				Duplicate	
			(0-2)		(4-6)		(0-2) BCG		(4-6) BCG		(0-2) BCG		(4-6) BCG		SB2 (0-2)	
			1/17/2017		1/17/2017		1/17/2017		1/17/2017		1/17/2017		1/17/2017		1/17/2017	
			µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	
1,2,4,5-Tetrachlorobenzene			< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
1,2,4-Trichlorobenzene			< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
1,2-Dichlorobenzene			< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
1,2-Diphenylhydrazine			< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
1,3-Dichlorobenzene			< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
1,4-Dichlorobenzene			< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
2,4,5-Trichlorophenol			< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
2,4,6-Trichlorophenol			< 200	200	< 190	190	< 170	170	< 170	170	< 180	180	< 180	180	< 170	170
2,4-Dichlorophenol			< 200	200	< 190	190	< 170	170	< 170	170	< 180	180	< 180	180	< 170	170
2,4-Dimethylphenol			< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
2,4-Dinitrophenol			< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
2,4-Dinitrotoluene			< 200	200	< 190	190	< 170	170	< 170	170	< 180	180	< 180	180	< 170	170
2,6-Dinitrotoluene			< 200	200	< 190	190	< 170	170	< 170	170	< 180	180	< 180	180	< 170	170
2-Chloronaphthalene			< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
2-Chlorophenol			< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
2-Methylnaphthalene			< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
2-Methylphenol (o-cresol)	330	100,000	< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
2-Nitroaniline			< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
2-Nitrophenol			< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
3&4-Methylphenol (m&p-cresol)	330	100,000	< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
3,3'-Dichlorobenzidine			< 200	200	< 190	190	< 170	170	< 170	170	< 180	180	< 180	180	< 170	170
3-Nitroaniline			< 400	400	< 370	370	< 340	340	< 340	340	< 360	360	< 350	350	< 350	350
4,6-Dinitro-2-methylphenol			< 240	240	< 220	220	< 210	210	< 210	210	< 210	210	< 210	210	< 210	210
4-Bromophenyl phenyl ether			< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
4-Chloro-3-methylphenol			< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
4-Chloroaniline			< 320	320	< 300	300	< 270	270	< 280	280	< 290	290	< 280	280	< 280	280
4-Chlorophenyl phenyl ether			< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
4-Nitroaniline			< 400	400	< 370	370	< 340	340	< 340	340	< 360	360	< 350	350	< 350	350
4-Nitrophenol			< 400	400	< 370	370	< 340	340	< 340	340	< 360	360	< 350	350	< 350	350
Acenaphthene	20,000	100,000	< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
Acenaphthylene	100,000	100,000	< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
Acetophenone			< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
Aniline			< 320	320	< 300	300	< 270	270	< 280	280	< 290	290	< 280	280	< 280	280
Anthracene	100,000	100,000	< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
Benz(a)anthracene	1,000	1,000	< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
Benzidine			< 400	400	< 370	370	< 340	340	< 340	340	< 360	360	< 350	350	< 350	350
Benzo(a)pyrene	1,000	1,000	< 200	200	< 190	190	< 170	170	< 170	170	< 180	180	< 180	180	< 170	170
Benzo(b)fluoranthene	1,000	1,000	< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
Benzo(ghi)perylene	100,000	100,000	< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
Benzo(k)fluoranthene	800	3,900	< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
Benzoic acid			< 2000	2,000	< 1900	1,900	< 1700	1,700	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 1700	1,700
Benzyl butyl phthalate			< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
Bis(2-chloroethoxy)methane			< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
Bis(2-chloroethyl)ether			< 200	200	< 190	190	< 170	170	< 170	170	< 180	180	< 180	180	< 170	170
Bis(2-chloroisopropyl)ether			< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
Bis(2-ethylhexyl)phthalate			< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
Carbazole			< 200	200	< 190	190	< 170	170	< 170	170	< 180	180	< 180	180	< 170	170
Chrysene	1,000	3,900	< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
Dibenz(a,h)anthracene	330	330	< 200	200	< 190	190	< 170	170	< 170	170	< 180	180	< 180	180	< 170	170
Dibenzofuran	7,000	59,000	< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
Diethyl phthalate			< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
Dimethylphthalate			< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
Di-n-butylphthalate			< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
Di-n-octylphthalate			< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
Fluoranthene	100,000	100,000	200	280	< 260	260	< 240	240	< 240	240	160	250	< 250	250	< 240	240
Fluorene	30,000	100,000	< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
Hexachlorobenzene			< 200	200	< 190	190	< 170	170	< 170	170	< 180	180	< 180	180	< 170	170
Hexachlorobutadiene			< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
Hexachlorocyclopentadiene			< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
Hexachloroethane			< 200	200	< 190	190	< 170	170	< 170	170	< 180	180	< 180	180	< 170	170
Indeno(1,2,3-cd)pyrene	500	500	< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
Isophorone			< 200	200	< 190	190	< 170	170	< 170	170	< 180	180	< 180	180	< 170	170
Naphthalene	12,000	100,000	< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
Nitrobenzene			< 200	200	< 190	190	< 170	170	< 170	170	< 180	180	< 180	180	< 170	170
N-Nitrosodimethylamine			< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
N-Nitrosodi-n-propylamine			< 200	200	< 190	190	< 170	170	< 170	170	< 180	180	< 180	180	< 170	170
N-Nitrosodiphenylamine			< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
Pentachloronitrobenzene			< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
Pentachlorophenol	800	6,700	< 240	240	< 220	220	< 210	210	< 210	210	< 210	210	< 210	210	< 210	210
Phenanthrene	100,000	100,000	120	280	< 260	260	< 240	240	< 240	240	260	250	< 250	250	< 240	240
Phenol	330	100,000	< 280	280	< 260	260	< 240	240	< 240	240	< 250	250	< 250	250	< 240	240
Pyrene	100,000	100,000	190	280	< 260	260	< 240	240	< 240	240	220	250	< 250	250	< 240	240

TABLE 4
183 McGuinness Boulevard
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*	SB1				SB2				SB3				Duplicate		
			(0-2') 1/17/2017 µg/Kg		(4-6') 1/17/2017 µg/Kg		(0-2') BCG 1/17/2017 µg/Kg		(4-6') BCG 1/17/2017 µg/Kg		(0-2') BCG 1/17/2017 µg/Kg		(4-6') BCG 1/17/2017 µg/Kg		SB2 (0-2') 1/17/2017 µg/Kg		
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	
Pesticides	4,4' -DDD	3.3	13,000	< 2.4	2.4	< 2.2	2.2	< 2.1	2.1	< 2.1	2.1	< 2.1	2.1	< 2.1	2.1	< 2.1	2.1
	4,4' -DDE	3.3	8,900	5	2.4	< 2.2	2.2	23	10	< 2.1	2.1	< 2.1	2.1	< 2.1	2.1	< 2.1	2.1
	4,4' -DDT	3.3	7,900	2.7	2.4	< 2.2	2.2	60	2.1	< 2.1	2.1	< 2.1	2.1	< 2.1	2.1	< 2.1	2.1
	a-BHC	20	480	< 8.1	8.1	< 7.4	7.4	< 6.9	6.9	< 6.9	6.9	< 7.1	7.1	< 7.2	7.2	< 6.9	6.9
	a-Chlordane	94	4,200	< 4.1	4.1	< 3.7	3.7	46	17	4.3	3.5	5.1	3.6	2.9	1.8	68	3.4
	Aldrin	5	97	< 4.1	4.1	< 3.7	3.7	< 3.5	3.5	< 3.5	3.5	< 3.6	3.6	< 3.6	3.6	< 3.4	3.4
	b-BHC	36	360	< 8.1	8.1	< 7.4	7.4	< 6.9	6.9	< 6.9	6.9	< 7.1	7.1	< 7.2	7.2	< 6.9	6.9
	Chlordane	94	4,200	< 4.1	4.1	< 3.7	3.7	490	170	< 3.5	3.5	47	36	< 3.6	3.6	730	170
	d-BHC	40	100,000	< 8.1	8.1	< 7.4	7.4	< 6.9	6.9	< 6.9	6.9	< 7.1	7.1	< 7.2	7.2	< 6.9	6.9
	Dieldrin	5	200	< 4.1	4.1	< 3.7	3.7	17	3.5	< 3.5	3.5	3.4	2.1	< 3.6	3.6	28	3.4
	Endosulfan I	2,400	24,000	< 8.1	8.1	< 7.4	7.4	< 6.9	6.9	< 6.9	6.9	< 7.1	7.1	< 7.2	7.2	< 6.9	6.9
	Endosulfan II	2,400	24,000	< 8.1	8.1	< 7.4	7.4	< 6.9	6.9	< 6.9	6.9	< 7.1	7.1	< 7.2	7.2	< 6.9	6.9
	Endosulfan sulfate	2,400	24,000	< 8.1	8.1	< 7.4	7.4	< 6.9	6.9	< 6.9	6.9	< 7.1	7.1	< 7.2	7.2	< 6.9	6.9
	Endrin	14	11,000	< 8.1	8.1	< 7.4	7.4	< 6.9	6.9	< 6.9	6.9	< 7.1	7.1	< 7.2	7.2	< 6.9	6.9
	Endrin aldehyde			< 8.1	8.1	< 7.4	7.4	< 6.9	6.9	< 6.9	6.9	< 7.1	7.1	< 7.2	7.2	< 6.9	6.9
	Endrin ketone			< 8.1	8.1	< 7.4	7.4	< 6.9	6.9	< 6.9	6.9	< 7.1	7.1	< 7.2	7.2	< 6.9	6.9
	g-BHC			< 1.6	1.6	< 1.5	1.5	< 1.4	1.4	< 1.4	1.4	< 1.4	1.4	< 1.4	1.4	< 1.4	1.4
	g-Chlordane			< 4.1	4.1	< 3.7	3.7	82	17	4.8	3.5	8.4	3.6	4.5	3.6	140	17
	Heptachlor	42	2,100	< 8.1	8.1	< 7.4	7.4	< 6.9	6.9	< 6.9	6.9	< 7.1	7.1	< 7.2	7.2	< 6.9	6.9
Heptachlor epoxide			< 8.1	8.1	< 7.4	7.4	< 6.9	6.9	< 6.9	6.9	< 7.1	7.1	< 7.2	7.2	< 6.9	6.9	
Methoxychlor			< 4.1	4.1	< 3.7	3.7	< 3.5	3.5	< 3.5	3.5	< 3.6	3.6	< 3.6	3.6	< 3.4	3.4	
Toxaphene			< 160	160	< 150	150	< 690	690	< 140	140	< 140	140	< 140	140	< 140	140	
PCBs	PCB-1016	100	1,000	< 81	81	< 74	74	< 69	69	< 69	69	< 71	71	< 72	72	< 69	69
	PCB-1221	100	1,000	< 81	81	< 74	74	< 69	69	< 69	69	< 71	71	< 72	72	< 69	69
	PCB-1232	100	1,000	< 81	81	< 74	74	< 69	69	< 69	69	< 71	71	< 72	72	< 69	69
	PCB-1242	100	1,000	< 81	81	< 74	74	< 69	69	< 69	69	< 71	71	< 72	72	< 69	69
	PCB-1248	100	1,000	< 81	81	< 74	74	< 69	69	< 69	69	< 71	71	< 72	72	< 69	69
	PCB-1254	100	1,000	< 81	81	< 74	74	< 69	69	< 69	69	< 71	71	< 72	72	< 69	69
	PCB-1260	100	1,000	< 81	81	< 74	74	< 69	69	< 69	69	< 71	71	< 72	72	< 69	69
	PCB-1262	100	1,000	< 81	81	< 74	74	< 69	69	< 69	69	< 71	71	< 72	72	< 69	69
PCB-1268	100	1,000	< 81	81	< 74	74	< 69	69	< 69	69	< 71	71	< 72	72	< 69	69	

Notes:

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

BCG - Below Cellar Grade

RL- Reporting Limit

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

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

TABLE 5
183 McGuinness Boulevard
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*	SB1				SB2				SB3				Duplicate	
			(0-2') 1/17/2017 µg/Kg		(4-6') 1/17/2017 µg/Kg		(0-2') BCG 1/17/2017 µg/Kg		(4-6') BCG 1/17/2017 µg/Kg		(0-2') BCG 1/17/2017 µg/Kg		(4-6') BCG 1/17/2017 µg/Kg		SB2 (0-2') 1/17/2017 µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Aluminum			14,100	42	9,730	38	6,340	32	4,560	35	6,220	37	10,300	37	5,300	36
Antimony			< 2.1	2.1	< 1.9	1.9	< 1.6	1.6	< 1.8	1.8	< 1.9	1.9	< 1.8	1.8	< 1.8	1.8
Arsenic	13	16	6.08	0.83	4.49	0.76	3.06	0.65	1.18	0.70	6.25	0.75	3.6	0.74	2.95	0.72
Barium	350	350	96.5	0.8	29.2	0.8	24.8	0.6	25.7	0.7	34.1	0.7	66.2	0.7	21.3	0.7
Beryllium	7.2	14	0.52	0.33	0.41	0.30	0.32	0.26	0.22	0.28	0.35	0.30	0.56	0.29	0.28	0.29
Cadmium	2.5	2.5	< 0.42	0.42	< 0.38	0.38	< 0.32	0.32	< 0.35	0.35	< 0.37	0.37	< 0.37	0.37	< 0.36	0.36
Calcium			522	4.2	212	3.8	1,750	3.2	339	3.5	2,270	3.7	1,920	3.7	452	3.6
Chromium	30	180	17.6	0.42	15.6	0.38	11.2	0.32	11.6	0.35	12	0.37	24.8	0.37	9.97	0.36
Cobalt			5.72	0.42	7.11	0.38	5.42	0.32	4.29	0.35	5.91	0.37	11.8	0.37	4.77	0.36
Copper	50	270	30.2	0.42	10.1	0.38	8.85	0.32	7.75	0.35	12.9	0.37	20.2	0.37	8.48	0.36
Iron			15,900	41	17,500	36	11,700	35	10,200	35	11,500	35	23,000	34	10,100	35
Lead	63	400	114	0.8	13.2	0.8	6.9	0.6	2.5	0.7	31.4	0.7	19.5	0.7	8.9	0.7
Magnesium			2,640	4.2	2,250	3.8	2,020	3.2	1,360	3.5	1,880	3.7	4,810	3.7	1,750	3.6
Manganese	1,600	2,000	376	4.2	294	3.8	298	3.2	329	3.5	310	3.7	422	3.7	240	3.6
Mercury	0.18	0.81	0.29	0.03	0.05	0.03	0.02	0.03	< 0.03	0.03	0.08	0.03	0.13	0.03	0.05	0.02
Nickel	30	140	13.1	0.42	11	0.38	11.5	0.32	9.51	0.35	11	0.37	27.4	0.37	9.79	0.36
Potassium			765	8	817	7	868	7	629	7	778	7	1,870	7	777	7
Selenium	3.9	36	< 1.7	1.7	< 1.5	1.5	< 1.3	1.3	< 1.4	1.4	< 1.5	1.5	< 1.5	1.5	< 1.4	1.4
Silver	2	36	< 0.42	0.42	< 0.38	0.38	< 0.32	0.32	< 0.35	0.35	< 0.37	0.37	< 0.37	0.37	< 0.36	0.36
Sodium			42	8	31	8	82	6	49	7	81	7	150	7	40	7
Thallium			< 1.7	1.7	< 1.5	1.5	< 1.3	1.3	< 1.4	1.4	< 1.5	1.5	< 1.5	1.5	< 1.4	1.4
Vanadium			25	0.42	23.8	0.38	15.8	0.32	20.2	0.35	17	0.37	34.8	0.37	13.6	0.36
Zinc	109	2,200	66.4	0.8	39.4	0.8	29.2	0.6	19.5	0.7	36.9	0.7	55.8	0.7	27.4	0.7

Notes:

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

BCG - Below Cellar Grade

RL- Reporting Limit

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

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

Table 6
183 McGuinness Boulevard
Brooklyn, New York
Ground Water Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards µg/L	GW2		Duplicate	
		1/17/2017		1/17/2017	
		Results µg/L	RL	Results µg/L	RL
1,1,1,2-Tetrachloroethane	5	< 1.0	1.0	< 1.0	1.0
1,1,1-Trichloroethane	5	< 5.0	5.0	< 5.0	5.0
1,1,2,2-Tetrachloroethane	5	< 1.0	1.0	< 1.0	1.0
1,1,2-Trichloroethane	1	< 1.0	1.0	< 1.0	1.0
1,1-Dichloroethane	5	< 5.0	5.0	< 5.0	5.0
1,1-Dichloroethene	5	< 1.0	1.0	< 1.0	1.0
1,1-Dichloropropene		< 1.0	1.0	< 1.0	1.0
1,2,3-Trichlorobenzene		< 1.0	1.0	< 1.0	1.0
1,2,3-Trichloropropane	0.04	< 0.25	0.25	< 0.25	0.25
1,2,4-Trichlorobenzene		< 1.0	1.0	< 1.0	1.0
1,2,4-Trimethylbenzene	5	< 1.0	1.0	< 1.0	1.0
1,2-Dibromo-3-chloropropane	0.04	< 0.50	0.50	< 0.50	0.50
1,2-Dibromoethane		< 0.25	0.25	< 0.25	0.25
1,2-Dichlorobenzene	5	< 1.0	1.0	< 1.0	1.0
1,2-Dichloroethane	0.6	< 0.60	0.60	< 0.60	0.60
1,2-Dichloropropane	0.94	< 1.0	1.0	< 1.0	1.0
1,3,5-Trimethylbenzene	5	< 1.0	1.0	< 1.0	1.0
1,3-Dichlorobenzene		< 1.0	1.0	< 1.0	1.0
1,3-Dichloropropane	5	< 1.0	1.0	< 1.0	1.0
1,4-Dichlorobenzene	5	< 1.0	1.0	< 1.0	1.0
2,2-Dichloropropane	5	< 1.0	1.0	< 1.0	1.0
2-Chlorotoluene	5	< 1.0	1.0	< 1.0	1.0
2-Hexanone (Methyl Butyl Ketone)		< 2.5	2.5	< 2.5	2.5
2-Isopropyltoluene	5	< 1.0	1.0	< 1.0	1.0
4-Chlorotoluene	5	< 1.0	1.0	< 1.0	1.0
4-Methyl-2-Pentanone		< 2.5	2.5	< 2.5	2.5
Acetone		33	25	32	25
Acrolein		< 5.0	5.0	< 5.0	5.0
Acrylonitrile	5	< 5.0	5.0	< 5.0	5.0
Benzene	1	< 0.70	0.70	< 0.70	0.70
Bromobenzene	5	< 1.0	1.0	< 1.0	1.0
Bromochloromethane	5	< 1.0	1.0	< 1.0	1.0
Bromodichloromethane		< 1.0	1.0	< 1.0	1.0
Bromoform		< 5.0	5.0	< 5.0	5.0
Bromomethane	5	< 5.0	5.0	< 5.0	5.0
Carbon Disulfide	60	< 1.0	1.0	< 1.0	1.0
Carbon tetrachloride	5	< 1.0	1.0	< 1.0	1.0
Chlorobenzene	5	< 5.0	5.0	< 5.0	5.0
Chloroethane	5	< 5.0	5.0	< 5.0	5.0
Chloroform	7	< 5.0	5.0	< 5.0	5.0
Chloromethane	60	0.97	5.0	< 5.0	5.0
cis-1,2-Dichloroethene	5	< 1.0	1.0	< 1.0	1.0
cis-1,3-Dichloropropene		< 0.40	0.40	< 0.40	0.40
Dibromochloromethane		< 1.0	1.0	< 1.0	1.0
Dibromomethane	5	< 1.0	1.0	< 1.0	1.0
Dichlorodifluoromethane	5	< 1.0	1.0	< 1.0	1.0
Ethylbenzene	5	< 1.0	1.0	< 1.0	1.0
Hexachlorobutadiene	0.5	< 0.50	0.50	< 0.50	0.50
Isopropylbenzene	5	< 1.0	1.0	< 1.0	1.0
m&p-Xylenes	5	< 1.0	1.0	< 1.0	1.0
Methyl Ethyl Ketone (2-Butanone)		18	2.5	18	2.5
Methyl t-butyl ether (MTBE)	10	< 1.0	1.0	< 1.0	1.0
Methylene chloride	5	< 3.0	3.0	< 3.0	3.0
Naphthalene	10	< 1.0	1.0	< 1.0	1.0
n-Butylbenzene	5	< 1.0	1.0	< 1.0	1.0
n-Propylbenzene	5	< 1.0	1.0	< 1.0	1.0
o-Xylene	5	< 1.0	1.0	< 1.0	1.0
p-Isopropyltoluene		< 1.0	1.0	< 1.0	1.0
sec-Butylbenzene	5	< 1.0	1.0	< 1.0	1.0
Styrene	5	< 1.0	1.0	< 1.0	1.0
tert-Butylbenzene	5	< 1.0	1.0	< 1.0	1.0
Tetrachloroethene	5	2.4	1.0	2.1	1.0
Tetrahydrofuran (THF)		16	5.0	17	5.0
Toluene	5	< 1.0	1.0	< 1.0	1.0
trans-1,2-Dichloroethene	5	< 5.0	5.0	< 5.0	5.0
trans-1,3-Dichloropropene	0.4	< 0.40	0.40	< 0.40	0.40
trans-1,4-dichloro-2-butene	5	< 2.5	2.5	< 2.5	2.5
Trichloroethene	5	< 1.0	1.0	< 1.0	1.0
Trichlorofluoromethane	5	< 1.0	1.0	< 1.0	1.0
Trichlorotrifluoroethane		< 1.0	1.0	< 1.0	1.0
Vinyl Chloride	2	< 1.0	1.0	< 1.0	1.0

Notes:

RL- Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 7
183 McGuinness Boulevard
Brooklyn, New York
Groundwater Analytical Results
Semi-Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards µg/L	GW2		Duplicate	
		1/17/2017		1/17/2017	
		Results	RL	Results	RL
1,2,4-Trichlorobenzene		< 5.0	5.0	< 5.0	5.0
1,2-Dichlorobenzene		< 1.0	1.0	< 1.0	1.0
1,2-Diphenylhydrazine		< 5.0	5.0	< 5.0	5.0
1,3-Dichlorobenzene	3	< 1.0	1.0	< 1.0	1.0
1,4-Dichlorobenzene		< 1.0	1.0	< 1.0	1.0
2,4,5-Trichlorophenol	1	< 1.0	1.0	< 1.0	1.0
2,4,6-Trichlorophenol	1	< 1.0	1.0	< 1.0	1.0
2,4-Dichlorophenol		< 1.0	1.0	< 1.0	1.0
2,4-Dimethylphenol		< 1.0	1.0	< 1.0	1.0
2,4-Dinitrophenol	5	< 1.0	1.0	< 1.0	1.0
2,4-Dinitrotoluene	5	< 5.0	5.0	< 5.0	5.0
2,6-Dinitrotoluene	5	< 5.0	5.0	< 5.0	5.0
2-Chloronaphthalene	10	< 5.0	5.0	< 5.0	5.0
2-Chlorophenol	1	< 1.0	1.0	< 1.0	1.0
2-Methylnaphthalene		< 5.0	5.0	< 5.0	5.0
2-Methylphenol (o-cresol)	1	< 1.0	1.0	< 1.0	1.0
2-Nitroaniline	5	< 5.0	5.0	< 5.0	5.0
2-Nitrophenol	1	< 1.0	1.0	< 1.0	1.0
3&4-Methylphenol (m&p-cresol)		< 1.0	1.0	< 1.0	1.0
3,3'-Dichlorobenzidine	5	< 5.0	5.0	< 5.0	5.0
3-Nitroaniline	5	< 5.0	5.0	< 5.0	5.0
4,6-Dinitro-2-methylphenol	1	< 1.0	1.0	< 1.0	1.0
4-Bromophenyl phenyl ether		< 5.0	5.0	< 5.0	5.0
4-Chloro-3-methylphenol	1	< 1.0	1.0	< 1.0	1.0
4-Chloroaniline	5	< 3.5	3.5	< 3.5	3.5
4-Chlorophenyl phenyl ether		< 5.0	5.0	< 5.0	5.0
4-Nitroaniline	5	< 5.0	5.0	< 5.0	5.0
4-Nitrophenol		< 1.0	1.0	< 1.0	1.0
Acetophenone		< 5.0	5.0	< 5.0	5.0
Aniline	5	< 3.5	3.5	< 3.5	3.5
Anthracene	50	< 5.0	5.0	< 5.0	5.0
Benzidine	5	< 4.5	4.5	< 4.5	4.5
Benzoic acid		< 25	25	< 25	25
Benzyl butyl phthalate	50	< 5.0	5.0	< 5.0	5.0
Bis(2-chloroethoxy)methane	5	< 5.0	5.0	< 5.0	5.0
Bis(2-chloroethyl)ether	1	< 1.0	1.0	< 1.0	1.0
Bis(2-chloroisopropyl)ether		< 5.0	5.0	< 5.0	5.0
Carbazole		< 5.0	5.0	< 5.0	5.0
Dibenzofuran		< 5.0	5.0	< 5.0	5.0
Diethyl phthalate	50	< 5.0	5.0	< 5.0	5.0
Dimethylphthalate	50	< 5.0	5.0	< 5.0	5.0
Di-n-butylphthalate	50	< 5.0	5.0	< 5.0	5.0
Di-n-octylphthalate	50	< 5.0	5.0	< 5.0	5.0
Fluoranthene	50	< 5.0	5.0	< 5.0	5.0
Fluorene	50	< 5.0	5.0	< 5.0	5.0
Hexachlorobutadiene	0.5	< 0.40	0.40	< 0.40	0.40
Hexachlorocyclopentadiene	5	< 5.0	5.0	< 5.0	5.0
Isophorone	50	< 5.0	5.0	< 5.0	5.0
Naphthalene	10	< 5.0	5.0	< 5.0	5.0
Nitrobenzene	0.4	< 0.10	0.10	< 0.10	0.10
N-Nitrosodimethylamine		< 0.10	0.10	< 0.10	0.10
N-Nitrosodi-n-propylamine		< 5.0	5.0	< 5.0	5.0
N-Nitrosodiphenylamine	50	< 5.0	5.0	< 5.0	5.0
Phenol	50	< 1.0	1.0	< 1.0	1.0
Pyrene	50	< 5.0	5.0	< 5.0	5.0
1,2,4,5-Tetrachlorobenzene		< 0.50	0.50	< 0.50	0.50
Acenaphthene	20	< 5.0	5.0	< 5.0	5.0
Acenaphthylene		< 0.10	0.10	< 0.10	0.10
Benzo(a)anthracene	0.002	< 0.02	0.02	< 0.02	0.02
Benzo(a)pyrene		< 0.02	0.02	< 0.02	0.02
Benzo(b)fluoranthene	0.002	< 0.02	0.02	< 0.02	0.02
Benzo(ghi)perylene		< 0.02	0.02	< 0.02	0.02
Benzo(k)fluoranthene	0.002	< 0.02	0.02	< 0.02	0.02
Bis(2-ethylhexyl)phthalate	5	< 1.0	1.0	< 1.0	1.0
Chrysene	0.002	< 0.02	0.02	< 0.02	0.02
Dibenz(a,h)anthracene		< 0.02	0.02	< 0.02	0.02
Hexachlorobenzene	0.04	< 0.02	0.02	< 0.02	0.02
Hexachloroethane	5	< 0.50	0.50	< 0.50	0.50
Indeno(1,2,3-cd)pyrene	0.002	< 0.02	0.02	< 0.02	0.02
Pentachloronitrobenzene		< 0.10	0.10	< 0.10	0.10
Pentachlorophenol	1	< 0.80	0.80	< 0.80	0.80
Phenanthrene	50	< 0.10	0.10	< 0.10	0.10
Pyridine	50	< 10	10	< 10	10

Notes:

RL- Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 8
 183 McGuinness Boulevard
 Brooklyn, New York
 Groundwater Analytical Results
 Pesticides/PCBs

	Compound	NYSDEC Groundwater Quality Standards µg/L	GW2		Duplicate	
			1/17/2017		1/17/2017	
			µg/L		µg/L	
			Results	RL	Results	RL
PCBs	PCB-1016	0.09	< 0.050	0.050	< 0.050	0.050
	PCB-1221	0.09	< 0.050	0.050	< 0.050	0.050
	PCB-1232	0.09	< 0.050	0.050	< 0.050	0.050
	PCB-1242	0.09	< 0.050	0.050	< 0.050	0.050
	PCB-1248	0.09	< 0.050	0.050	< 0.050	0.050
	PCB-1254	0.09	< 0.050	0.050	< 0.050	0.050
	PCB-1260	0.09	< 0.050	0.050	< 0.050	0.050
	PCB-1262	0.09	< 0.050	0.050	< 0.050	0.050
	PCB-1268	0.09	< 0.050	0.050	< 0.050	0.050
Pesticides	4,4-DDD	0.3	< 0.005	0.005	< 0.005	0.005
	4,4-DDE	0.2	0.008	0.005	< 0.010	0.010
	4,4-DDT	0.11	0.011	0.005	0.025	0.005
	a-BHC	0.94	< 0.005	0.005	< 0.005	0.005
	a-Chlordane		< 0.010	0.010	< 0.010	0.010
	Alachlor		< 0.075	0.075	< 0.075	0.075
	Aldrin		< 0.002	0.002	< 0.002	0.002
	b-BHC	0.04	< 0.005	0.005	< 0.005	0.005
	Chlordane	0.05	0.33	0.050	0.33	0.050
	d-BHC	0.04	< 0.005	0.005	< 0.005	0.005
	Dieldrin	0.004	0.016	0.002	0.012	0.002
	Endosulfan I		< 0.010	0.010	< 0.010	0.010
	Endosulfan II		< 0.010	0.010	< 0.010	0.010
	Endosulfan Sulfate		< 0.010	0.010	< 0.010	0.010
	Endrin		< 0.010	0.010	< 0.010	0.010
	Endrin aldehyde	5	< 0.010	0.010	< 0.010	0.010
	Endrin ketone		< 0.010	0.010	< 0.010	0.010
	gamma-BHC	0.05	< 0.005	0.005	< 0.005	0.005
	g-Chlordane		0.044	0.010	0.041	0.010
	Heptachlor	0.04	< 0.010	0.010	< 0.010	0.010
	Heptachlor epoxide	0.03	0.019	0.010	0.017	0.010
Methoxychlor	35	< 0.10	0.10	< 0.10	0.10	
Toxaphene		< 0.20	0.20	< 0.20	0.20	

Notes:

RL- Reporting limit

ND - Non-detect

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

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

Table 9A
183 McGuinness Boulevard
Brooklyn, New York
Groundwater Analytical Results
TAL Filtered Metals

Compound	NYSDEC Groundwater Quality Standards mg/L	GW2		Duplicate	
		1/17/2017		1/17/2017	
		µg/L		µg/L	
Total Metals		Results	RL	Results	RL
Aluminum	NS	16.7	0.010	24.1	0.010
Antimony	0.003	< 0.002	0.002	< 0.002	0.002
Arsenic	0.025	< 0.004	0.004	0.004	0.004
Barium	1	0.197	0.010	0.25	0.010
Beryllium	0.003	< 0.001	0.001	0.001	0.001
Cadmium	0.005	0.001	0.004	0.001	0.004
Calcium	NS	44.6	0.010	43.9	0.010
Chromium	0.05	0.03	0.001	0.04	0.001
Cobalt	NS	0.012	0.005	0.016	0.005
Copper	0.2	0.027	0.005	0.038	0.005
Iron	0.5	20.8	0.01	31	0.01
Lead	0.025	0.01	0.002	0.014	0.002
Magnesium	35	8.56	0.010	10.2	0.010
Manganese	0.3	1.33	0.005	1.83	0.005
Mercury	0.0007	< 0.0002	0.0002	< 0.0002	0.0002
Nickel	0.1	0.032	0.004	0.044	0.004
Potassium	NS	7.1	0.1	8.6	0.1
Selenium	0.01	0.001	0.002	0.002	0.002
Silver	0.05	< 0.005	0.005	< 0.005	0.005
Sodium	2	15.8	0.10	16.4	0.10
Thallium	0.0005	< 0.0005	0.0005	< 0.0005	0.0005
Vanadium	NS	0.028	0.010	0.041	0.010
Zinc	2	0.164	0.010	0.206	0.010

Notes:

RL- Reporting limit

NS - No Standard

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

Table 9B
 183 McGuinness Boulevard
 Brooklyn, New York
 Groundwater Analytical Results
 Dissolved Metals

Compound Dissolved Metals	NYSDEC Groundwater Quality Standards mg/L	GW2		Duplicate	
		1/17/2017		1/17/2017	
		µg/L		µg/L	
		Results	RL	Results	RL
Aluminum	NS	< 0.011	0.011	< 0.011	0.011
Antimony	0.003	< 0.003	0.003	< 0.003	0.003
Arsenic	0.025	< 0.003	0.003	< 0.003	0.003
Barium	1	0.065	0.011	0.063	0.011
Beryllium	0.003	< 0.001	0.001	< 0.001	0.001
Cadmium	0.005	< 0.004	0.004	< 0.004	0.004
Calcium	NS	42.8	0.01	39.8	0.01
Chromium	0.05	0.002	0.001	0.002	0.001
Cobalt	NS	< 0.005	0.005	< 0.005	0.005
Copper	0.2	< 0.005	0.005	< 0.005	0.005
Iron	0.5	< 0.01	0.01	< 0.01	0.01
Lead	0.025	< 0.002	0.002	< 0.002	0.002
Magnesium	35	5.58	0.01	5.34	0.01
Manganese	0.3	0.007	0.005	0.004	0.005
Mercury	0.0007	< 0.0002	0.0002	< 0.0002	0.0002
Nickel	0.1	0.003	0.004	0.002	0.004
Potassium	NS	4	0.1	3.9	0.1
Selenium	0.01	0.004	0.004	0.004	0.004
Silver	0.05	< 0.005	0.005	< 0.005	0.005
Sodium	2	15.1	0.11	14.5	0.11
Thallium	0.0005	< 0.0005	0.0005	< 0.0005	0.0005
Vanadium	NS	< 0.011	0.011	< 0.011	0.011
Zinc	2	0.047	0.011	0.042	0.011

Notes:

RL- Reporting limit

NS - No Standard

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 10
183 McGuinness Boulevard
Brooklyn, New York
Soil Gas - Volatile Organic Compounds

COMPOUNDS	NYSDOH Maximum Sub-Slab Value (µg/m ³) ^(a)	NYSDOH Soil Outdoor Background Levels (µg/m ³) ^(b)	SV1		SV2		SV3	
			1/20/2017 (µg/m ³)		1/20/2017 (µg/m ³)		1/20/2017 (µg/m ³)	
			Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane			<1.00	1.00	<1.00	1.00	<1.00	1.00
1,1,1-Trichloroethane	100	<2.0 - 2.8	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,1,2,2-Tetrachloroethane		<1.5	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,1,2-Trichloroethane		<1.0	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,1-Dichloroethane		<1.0	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,1-Dichloroethene		<1.0	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,2,4-Trichlorobenzene		NA	15.9	1.00	27.9	1.00	24.8	1.00
1,2,4-Trimethylbenzene		<1.0	5.55	1.00	10.8	1.00	8.89	1.00
1,2-Dibromoethane		<1.5	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,2-Dichlorobenzene		<2.0	<1.00	1.00	1.16	1.00	<1.00	1.00
1,2-Dichloroethane		<1.0	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,2-Dichloropropane			<1.00	1.00	<1.00	1.00	<1.00	1.00
1,2-Dichlorotetrafluoroethane			<1.00	1.00	<1.00	1.00	<1.00	1.00
1,3,5-Trimethylbenzene		<1.0	2.62	1.00	4.54	1.00	4.21	1.00
1,3-Butadiene		NA	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,3-Dichlorobenzene		<2.0	1,330	9.97	1,900	9.97	1,600	9.97
1,4-Dichlorobenzene		NA	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,4-Dioxane			<1.00	1.00	<1.00	1.00	<1.00	1.00
2-Hexanone			<1.00	1.00	<1.00	1.00	9.62	1.00
4-Ethyltoluene		NA	13.1	1.00	16.7	1.00	14	1.00
4-Isopropyltoluene			<1.00	1.00	<1.00	1.00	<1.00	1.00
4-Methyl-2-pentanone			<1.00	1.00	<1.00	1.00	<1.00	1.00
Acetone		NA	356	9.99	304	9.99	311	9.99
Acrylonitrile			<1.00	1.00	<1.00	1.00	<1.00	1.00
Benzene		<1.6 - 4.7	2.32	1.00	1.44	1.00	1.86	1.00
Benzyl Chloride		NA	<1.00	1.00	<1.00	1.00	<1.00	1.00
Bromodichloromethane		<5.0	<1.00	1.00	<1.00	1.00	<1.00	1.00
Bromoform		<1.0	<1.00	1.00	<1.00	1.00	<1.00	1.00
Bromomethane		<1.0	<1.00	1.00	<1.00	1.00	<1.00	1.00
Carbon Disulfide		NA	<1.00	1.00	<1.00	1.00	<1.00	1.00
Carbon Tetrachloride	5	<3.1	<0.25	0.25	0.58	0.25	0.57	0.25
Chlorobenzene		<2.0	<1.00	1.00	<1.00	1.00	<1.00	1.00
Chloroethane		NA	<1.00	1.00	<1.00	1.00	<1.00	1.00
Chloroform		<2.4	<1.00	1.00	2.4	1.00	1.07	1.00
Chloromethane		<1.0 - 1.4	<1.00	1.00	<1.00	1.00	<1.00	1.00
cis-1,2-Dichloroethene		<1.0	<1.00	1.00	<1.00	1.00	<1.00	1.00
cis-1,3-Dichloropropene		NA	<1.00	1.00	<1.00	1.00	<1.00	1.00
Cyclohexane		NA	<1.00	1.00	<1.00	1.00	<1.00	1.00
Dibromochloromethane		<5.0	<1.00	1.00	<1.00	1.00	<1.00	1.00
Dichlorodifluoromethane		NA	2.75	1.00	3.06	1.00	2.48	1.00
Ethanol			37.5	1.00	58.4	1.00	56.5	1.00
Ethyl Acetate		NA	15.4	1.00	18.7	1.00	15.7	1.00
Ethylbenzene		<4.3	89.4	1.00	97.2	1.00	91.1	1.00
Heptane		NA	4.1	1.00	4.38	1.00	4.22	1.00
Hexachlorobutadiene		NA	<1.00	1.00	<1.00	1.00	<1.00	1.00
Hexane		<1.5	1.63	1.00	<1.00	1.00	<1.00	1.00
Isopropylalcohol		NA	1.88	1.00	2.29	1.00	1.59	1.00
Isopropylbenzene			4.86	1.00	6.63	1.00	5.65	1.00
Xylene (m&p)		<4.3	820	9.98	946	9.98	851	9.98
Methyl Ethyl Ketone			22.2	1.00	8.64	1.00	36	1.00
MTBE		NA	<1.00	1.00	1.07	1.00	1.03	1.00
Methylene Chloride		<3.4	1.57	1.00	<1.00	1.00	<1.00	1.00
n-Butylbenzene			<1.00	1.00	<1.00	1.00	<1.00	1.00
Xylene (o)		<4.3	165	1.00	220	9.98	190	9.98
Propylene		NA	1.61	1.00	<1.00	1.00	<1.00	1.00
sec-Butylbenzene			<1.00	1.00	<1.00	1.00	<1.00	1.00
Styrene		<1.0	1.14	1.00	1.7	1.00	1.45	1.00
Tetrachloroethene	30		2.09	0.25	37.4	0.25	35.6	0.25
Tetrahydrofuran		NA	10.3	1.00	8.46	1.00	42.7	1.00
Toluene		1.0 - 6.1	76.5	1.00	62.9	1.00	64.8	1.00
trans-1,2-Dichloroethene		NA	<1.00	1.00	<1.00	1.00	<1.00	1.00
trans-1,3-Dichloropropene		NA	<1.00	1.00	<1.00	1.00	<1.00	1.00
Trichloroethene	2	<1.7	0.67	0.25	0.26	0.25	<0.25	0.25
Trichlorofluoromethane		NA	1.08	1.00	1.33	1.00	1.42	1.00
Trichlorotrifluoroethane			<1.00	1.00	<1.00	1.00	<1.00	1.00
Vinyl Chloride		<1.0	<0.25	0.25	<0.25	0.25	<0.25	0.25
BTEX			1,153.22		1,327.54		1,198.76	
CVOCs			2.76		38.24		36.17	
Total VOCs			2,922.99		3,662.78		3,258.98	

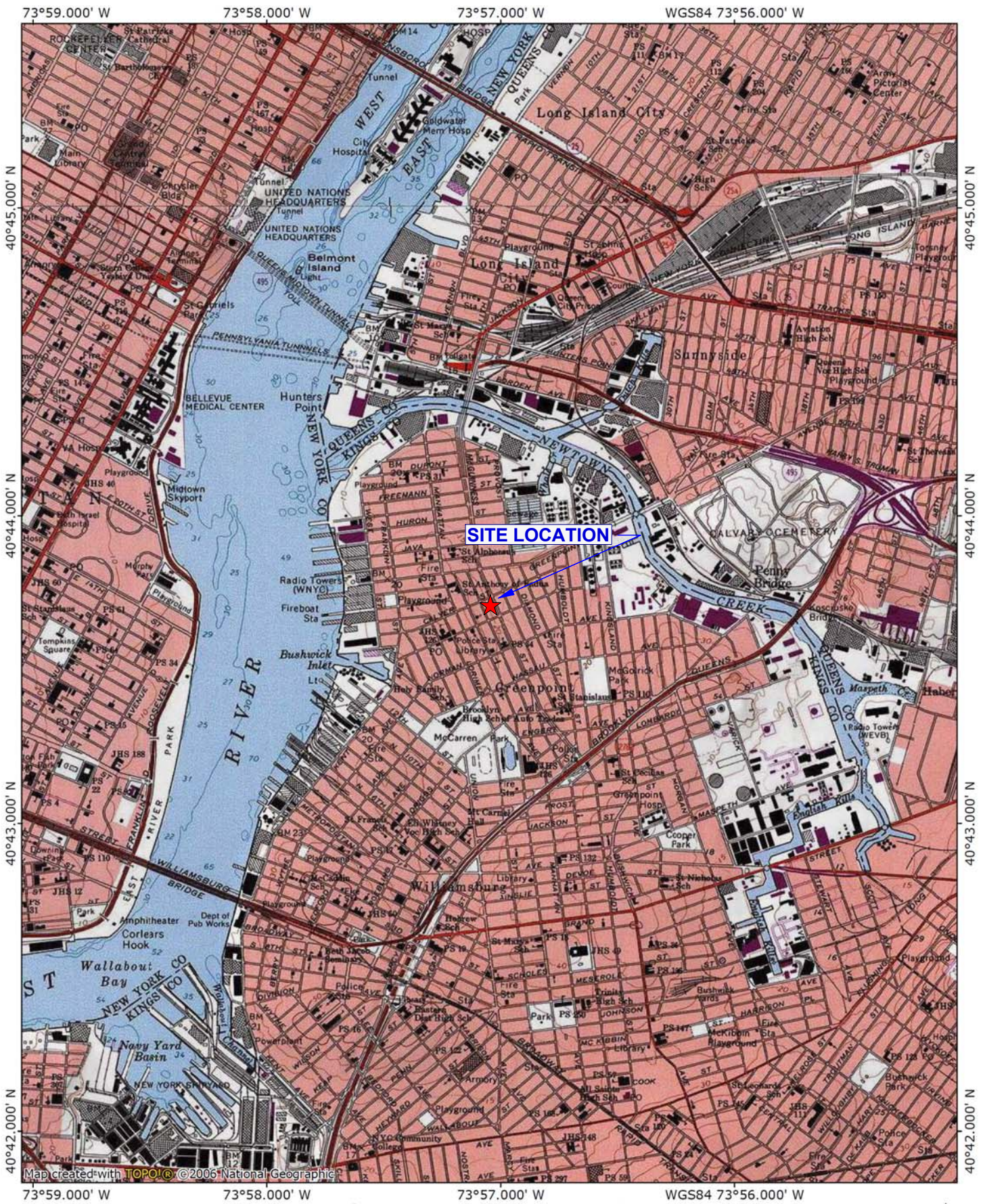
Notes:

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



Map created with TOPO!® ©2006 National Geographic

Figure No.
1

Site Name: **REMEDIAL INVESTIGATION REPORT**
 Site Address: **183 MCGUINNESS BOULEVARD, BROOKLYN, NY**
 Drawing Title: **SITE LOCATION MAP**





LOT 4

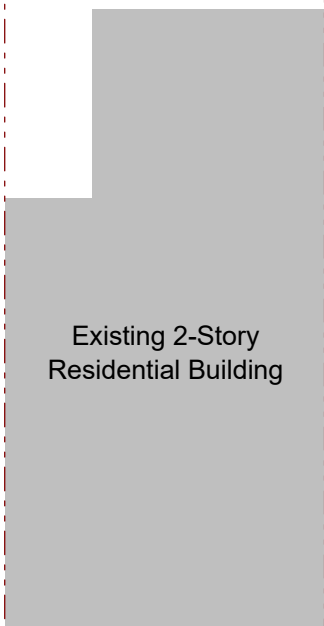
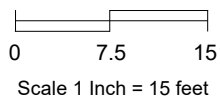
LOT 5

LOT 6

KEY:

-  Property Boundary
-  Existing Building

SCALE:



Existing 2-Story
Residential Building

100 ft

Vestibule Area

LOT 20

LOT 19

LOT 18

25 ft

SIDEWALK

McGUINNESS BOULEVARD



ENVIRONMENTAL BUSINESS CONSULTANTS

Phone 631.504.6000
Fax 631.924.2870

Figure No.
2

Site Name: **REMEDIAL INVESTIGATION REPORT**

Site Address: **183 MCGUINNESS BOULEVARD, BROOKLYN, NY**

Drawing Title: **SITE BOUNDARY MAP**

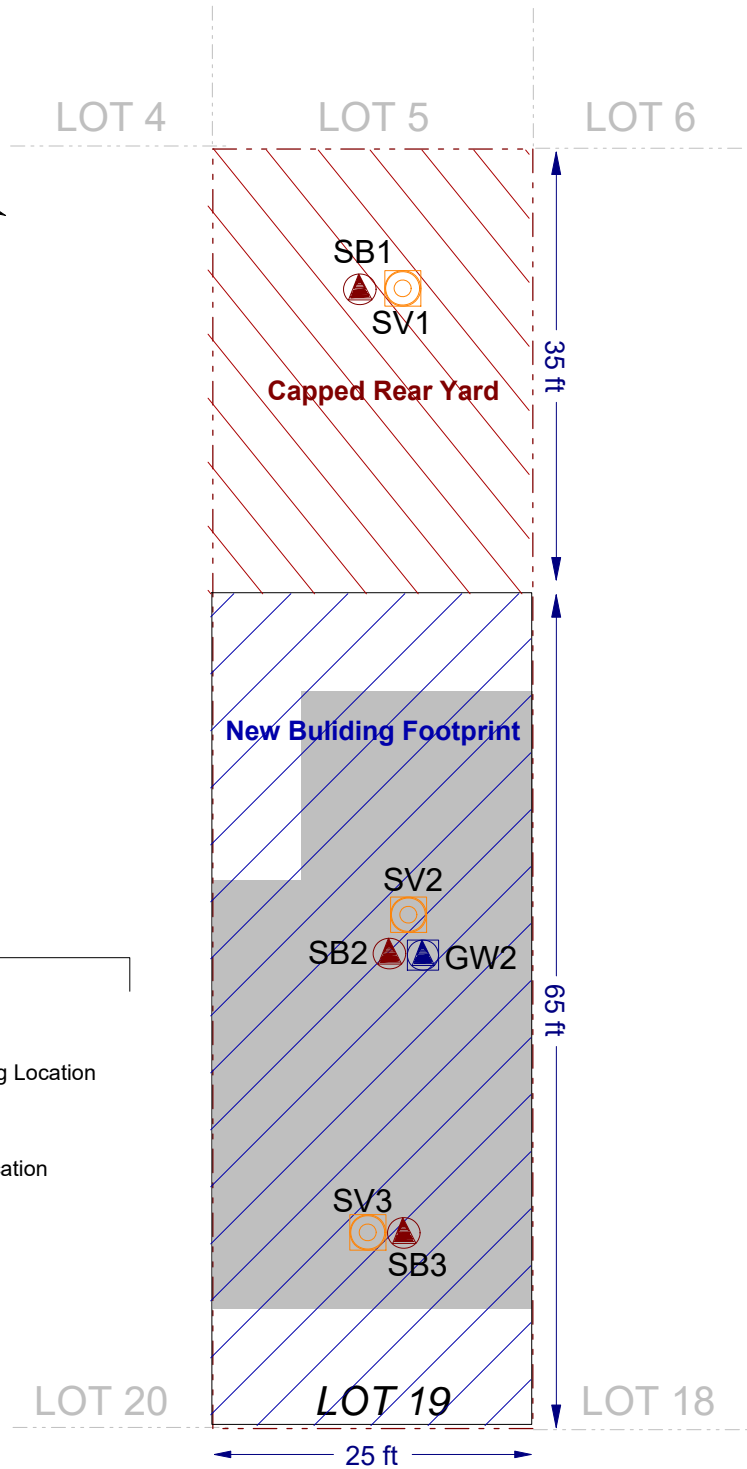


FIGURE 4
SURROUNDING LAND USE MAP

183 McGUINNESS BOULEVARD, BROOKLYN NY
 HAZARDOUS MATERIALS REMEDIAL INVESTIGATION REPORT



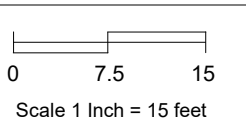
ENVIRONMENTAL BUSINESS CONSULTANTS
 1808 MIDDLE COUNTRY ROAD, RIDGE, NEW YORK 11961
 PHONE: (631) 504-6000 FAX: (631) 924-2870



KEY:

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

SCALE:



SIDEWALK

McGUINNESS BOULEVARD



ENVIRONMENTAL BUSINESS CONSULTANTS

Phone 631.504.6000
Fax 631.924.2870

Figure No.
5

Site Name: **REMEDIAL INVESTIGATION REPORT**
Site Address: **183 MCGUINNESS BOULEVARD, BROOKLYN, NY**
Drawing Title: **SITE SAMPLING LOCATIONS MAP**





LOT 4






LOT 5

LOT 6


SB1 (0-2') - 1/17/2017	
4,4-DDE	5
Lead	114
Mercury	0.29

SB1
 
 SV1

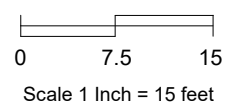
KEY:

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

Pesticides	ug/Kg
Metals	ug/mg


 Exceeding Unrestricted Use SCOs

SCALE:



SB2 (0-2') BCG - 1/17/2017	
4,4-DDE	23
4,4'-DDT	60
Dieldrin	17

SV2

 SB2   GW2

SV3

 SB3 

LOT 20

LOT 19

LOT 18

SIDEWALK

McGUINNESS BOULEVARD



Phone 631.504.6000
 Fax 631.924.2870

Figure No.
6

Site Name: **REMEDIAL INVESTIGATION REPORT**
 Site Address: **183 MCGUINNESS BOULEVARD, BROOKLYN, NY**
 Drawing Title: **SOIL EXCEEDENCES MAP**



LOT 4

LOT 5






LOT 6

SB1
 
 SV1

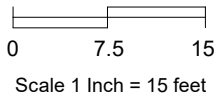
SV2
 
 SB2  GW2

SV3
 
 SB3

KEY:

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

SCALE:



LOT 20

LOT 19

LOT 18

GW2 - 1/17/2017

Pesticides (ug/L)	
4,4'-DDT	0.011
Chlordane	0.33
Dieldrin	0.016
Heptachlor expoxide	0.019
Total Metals (mg/L)	
Iron	20.8
Manganese	1.33
Dissolved Metals (mg/L)	
Sodium	20

SIDEWALK

McGUINNESS BOULEVARD



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 Fax 631.924.2870

Figure No.
7

Site Name: **REMEDIAL INVESTIGATION REPORT**
 Site Address: **183 MCGUINNESS BOULEVARD, BROOKLYN, NY**
 Drawing Title: **GROUNDWATER EXCEEDENCES MAP**



LOT 4

LOT 5

LOT 6

SV2-1/20/17

1,2,4-Trichlorobenzene	27.9
1,2,4-Trimethylbenzene	10.8
1,2-Dichlorobenzene	1.16
1,3,5-Trimethylbenzene	4.54
1,3-Dichlorobenzene	1,900
4-Ethyltoluene	16.7
Acetone	304
Benzene	1.44
Carbon Tetrachloride	0.58
Chloroform	2.4
Dichlorodifluoromethane	3.06
Ethanol	58.4
Ethyl Acetate	18.7
Ethylbenzene	97.2
Heptane	4.38
Isopropylalcohol	2.29
Isopropylbenzene	6.63
Xylene (m&p)	946
Methyl Ethyl Ketone	8.64
MTBE	1.07
Xylene (o)	220
Styrene	1.7
Tetrachloroethene	37.4
Tetrahydrofuran	8.46
Toluene	62.9
Trichloroethene	0.26
Trichlorofluoromethane	1.33

SB1
SV1

SV1-1/20/17

1,2,4-Trichlorobenzene	15.9
1,2,4-Trimethylbenzene	5.55
1,3,5-Trimethylbenzene	2.62
1,3-Dichlorobenzene	1,330
4-Ethyltoluene	13.1
Acetone	356
Benzene	2.32
Dichlorodifluoromethane	2.75
Ethanol	37.5
Ethyl Acetate	15.4
Ethylbenzene	89.4
Heptane	4.1
Hexane	1.63
Isopropylalcohol	1.88
Isopropylbenzene	4.86
Xylene (m&p)	820
Methyl Ethyl Ketone	22.2
Methylene Chloride	1.57
Xylene (o)	165
Propylene	1.61
Styrene	1.14
Tetrachloroethene	2.09
Tetrahydrofuran	10.3
Toluene	76.5
Trichloroethene	0.67
Trichlorofluoromethane	1.08

SV3-1/20/17

1,2,4-Trichlorobenzene	24.8
1,2,4-Trimethylbenzene	8.89
1,3,5-Trimethylbenzene	4.21
1,3-Dichlorobenzene	1,600
2-Hexanone	9.62
4-Ethyltoluene	14
Acetone	311
Benzene	1.86
Carbon Tetrachloride	0.57
Chloroform	1.07
Ethanol	56.5
Ethyl Acetate	15.7
Ethylbenzene	91.1
Heptane	4.22
Isopropylalcohol	1.59
Isopropylbenzene	5.65
Xylene (m&p)	851
Methyl Ethyl Ketone	36
MTBE	1.03
Xylene (o)	190
Styrene	1.45
Tetrachloroethene	35.6
Tetrahydrofuran	42.7
Toluene	64.8
Trichlorofluoromethane	1.42

SV2

SB2 GW2

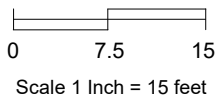
SV3

SB3

KEY:

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

SCALE:



LOT 20

LOT 19

LOT 18

SIDEWALK

McGUINNESS BOULEVARD



Phone 631.504.6000
Fax 631.924.2870

Figure No.
8

Site Name: **REMEDIAL INVESTIGATION REPORT**
Site Address: **183 MCGUINNESS BOULEVARD, BROOKLYN, NY**
Drawing Title: **SOIL GAS DETECTION MAP**

ATTACHMENT A
SOIL BORING LOGS

Geologic Boring Log Details



ENVIRONMENTAL BUSINESS CONSULTANTS

SB2 Boring Log

Location: Located to the west of SB3 within the buildings cellar.		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: JCI1601	Address: 183 McGuinness Boulevard, Brooklyn, New York	Date	DTW
		Groundwater depth	
Drilling Company:	Method:	Well Specifications	
C ² Environmental	Bosch Hammer and Hand Auger		
Date Started: 1/17/2017	Date Completed: 1/17/2017	None	
Completion Depth: 6 Feet Below Cellar Grade	Geologist Honpong Lau		

SB2 (NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	PID (ppm)	
	0				24" - Light brown silty to fine sand
	to	24		0.0	
	2				<i>*Retained soil sample SB2(0-2')</i>
	to	24		0.0	12" - Light brown silty to fine sand 12" - Brown fine to medium sand
	4				
	to	24		0.0	24" - Brown fine to medium sand
	6				<i>*Retained soil sample SB2(4-6')</i>
	to				
	8				
	to				

Geologic Boring Log Details



ENVIRONMENTAL BUSINESS CONSULTANTS

SB3 Boring Log

Location: Located towards the eastern side of the Site within the buildings cellar		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: JCI1601	Address: 183 McGuinness Boulevard, Brooklyn, New York	Date	Ground Elevation
Drilling Company:		Groundwater depth	
C ² Environmental	Method: Bosch Hammer and Hand Auger	Not Detected	
Date Started: 1/17/2017	Date Completed: 1/17/2017	Well Specifications None	
Completion Depth: 6 Feet Below Cellar Grade	Geologist Honpong Lau		

SB3 (NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Recovery (in.)	Blow per 6 in.	PID (ppm)	
	0				24" - Light brown silty sand
	to	24		0.0	
	2				*Retained soil sample SB3 (0-2')
	to	24		0.0	12" - Light brown silty sand 12" - brown silt to brown fine sand
	4				24"- Brown silt to fine sand
	to	24		0.0	*Retained soil sample SB3 (4-6')
	6				

ATTACHMENT B

GROUNDWATER SAMPLING LOGS

GROUNDWATER PURGE / SAMPLE LOGS



ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: GW2

Date: January 17, 2017

Well Depth (from TOC): 16'

Equipment: Check Valve

Static Water Level (from TOC): 15'

Field Technician: Honpong Lau

Height of Water in Well: 1'

Gallons of Water per Well Volume: _____

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
10:30 AM	400ml/min	0								Turbid
10:33 AM	400ml/min	0.33								Turbid → Clear
10:38 AM	400ml/min	0.88								Clear
10:40 AM	* groundwater sample collected.									

Note 400 ml = 0.11 gallons

ATTACHMENT C
SOIL GAS SAMPLING LOGS



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. #

Page | of |

Data Delivery:

Fax #:

Email: File

Phone #:

Report to: <u>EBC</u>	Invoice to:	Project Name: <u>183 McGuinness Blvd</u>
Customer:		Requested Deliverable: RCP <input type="checkbox"/> ASP CAT B <input checked="" type="checkbox"/>
Address:		MCP <input type="checkbox"/> NJ Deliverables <input type="checkbox"/>
	Sampled by: <u>Honpong Lau</u>	State where samples collected: <u>NY</u>

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure ("Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start ("Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-14	TO-15
THIS SECTION FOR LAB USE ONLY													MATRIX	ANALYSES			
	<u>Did Not use</u>	<u>484</u>	<u>6.0</u>	<u>-30</u>		<u>5325</u>	<u>43</u>										
<u>35301</u>	<u>SV3</u>	<u>9767</u>	<u>↓</u>	<u>↓</u>	<u>-1</u>	<u>5355</u>	<u>↓</u>	<u>10:39</u>	<u>12:38</u>	<u>1-20-17</u>	<u>-30</u>	<u>-5</u>	<u>X</u>				<u>X</u>
<u>35302</u>	<u>SV2</u>	<u>12867</u>	<u>↓</u>	<u>↓</u>	<u>-5</u>	<u>4955</u>	<u>↓</u>	<u>10:41</u>	<u>12:47</u>	<u>1-20-17</u>	<u>-29</u>	<u>-5</u>	<u>X</u>				<u>X</u>
<u>35303</u>	<u>SV1</u>	<u>224</u>	<u>↓</u>	<u>↓</u>	<u>-2</u>	<u>4991</u>	<u>↓</u>	<u>10:38</u>	<u>12:38</u>	<u>1-20-17</u>	<u>-30</u>	<u>-4</u>	<u>X</u>				<u>X</u>
	<u>4x6L 2 Hrs</u>																

Relinquished by: <u>[Signature]</u>	Accepted by: <u>[Signature]</u>	Date: <u>1-23-17</u>	Time: <u>12:14</u>	Data Format: Excel <input checked="" type="checkbox"/>	Equis <input checked="" type="checkbox"/>	GISKey <input checked="" type="checkbox"/>
				PDF <input checked="" type="checkbox"/>	Other: <input type="checkbox"/>	

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

Requested Criteria

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:

Quote Number: _____ Signature: _____ Date: _____

ATTACHMENT D
LABORATORY REPORTS



Thursday, January 26, 2017

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

Project ID: 183 MCGUINNESS BLVD
Sample ID#s: BX35301 - BX35303

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. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

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

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

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis/Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



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



SDG Comments

January 26, 2017

SDG I.D.: GBX35301

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



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

Analysis Report
 January 26, 2017

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

Sample Information

Matrix: AIR
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:
 Canister Id: 9767

Custody Information

Collected by: HL
 Received by: LB
 Analyzed by: see "By" below

Date Time
 01/20/17 12:58
 01/23/17 14:38

Laboratory Data

SDG ID: GBX35301
 Phoenix ID: BX35301

Project ID: 183 MCGUINNESS BLVD
 Client ID: SV3

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
<u>Volatiles (TO15)</u>										
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	01/23/17	KCA	1	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	01/23/17	KCA	1	
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	01/23/17	KCA	1	
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	01/23/17	KCA	1	
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	01/23/17	KCA	1	
1,1-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	01/23/17	KCA	1	
1,2,4-Trichlorobenzene	3.35	0.135	0.135	24.8	1.00	1.00	01/23/17	KCA	1	
1,2,4-Trimethylbenzene	1.81	0.204	0.204	8.89	1.00	1.00	01/23/17	KCA	1	
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	01/23/17	KCA	1	
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	01/23/17	KCA	1	
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	01/23/17	KCA	1	
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	01/23/17	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	01/23/17	KCA	1	
1,3,5-Trimethylbenzene	0.857	0.204	0.204	4.21	1.00	1.00	01/23/17	KCA	1	
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	01/23/17	KCA	1	
1,3-Dichlorobenzene	267	1.66	1.66	1600	10.0	10.0	01/24/17	KCA	10	
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	01/23/17	KCA	1	
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	01/23/17	KCA	1	
2-Hexanone(MBK)	2.35	0.244	0.244	9.6	1.00	1.00	01/23/17	KCA	1	1
4-Ethyltoluene	2.85	0.204	0.204	14.0	1.00	1.00	01/23/17	KCA	1	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	01/23/17	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	01/23/17	KCA	1	
Acetone	131	4.21	4.21	311	10.0	10.0	01/24/17	KCA	10	
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	01/23/17	KCA	1	
Benzene	0.584	0.313	0.313	1.86	1.00	1.00	01/23/17	KCA	1	
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	01/23/17	KCA	1	

Client ID: SV3

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	01/23/17	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	01/23/17	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	01/23/17	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	01/23/17	KCA	1
Carbon Tetrachloride	0.091	0.040	0.040	0.57	0.25	0.25	01/23/17	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	01/23/17	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	01/23/17	KCA	1
Chloroform	0.220	0.205	0.205	1.07	1.00	1.00	01/23/17	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	01/23/17	KCA	1
Cis-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	01/23/17	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	01/23/17	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	01/23/17	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	01/23/17	KCA	1
Dichlorodifluoromethane	0.502	0.202	0.202	2.48	1.00	1.00	01/23/17	KCA	1
Ethanol	30.0	0.531	0.531	56.5	1.00	1.00	01/23/17	KCA	1
Ethyl acetate	4.36	0.278	0.278	15.7	1.00	1.00	01/23/17	KCA	1
Ethylbenzene	21.0	0.230	0.230	91.1	1.00	1.00	01/23/17	KCA	1
Heptane	1.03	0.244	0.244	4.22	1.00	1.00	01/23/17	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	01/23/17	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	01/23/17	KCA	1
Isopropylalcohol	0.648	0.407	0.407	1.59	1.00	1.00	01/23/17	KCA	1
Isopropylbenzene	1.15	0.204	0.204	5.65	1.00	1.00	01/23/17	KCA	1
m,p-Xylene	196	2.30	2.30	851	10.0	10.0	01/24/17	KCA	10
Methyl Ethyl Ketone	12.2	0.339	0.339	36.0	1.00	1.00	01/23/17	KCA	1
Methyl tert-butyl ether(MTBE)	0.287	0.278	0.278	1.03	1.00	1.00	01/23/17	KCA	1
Methylene Chloride	ND	0.288	0.288	ND	1.00	1.00	01/23/17	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	01/23/17	KCA	1
o-Xylene	43.8	2.30	2.30	190	10.0	10.0	01/24/17	KCA	10
Propylene	ND	0.581	0.581	ND	1.00	1.00	01/23/17	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	01/23/17	KCA	1
Styrene	0.340	0.235	0.235	1.45	1.00	1.00	01/23/17	KCA	1
Tetrachloroethene	5.25	0.037	0.037	35.6	0.25	0.25	01/23/17	KCA	1
Tetrahydrofuran	14.5	0.339	0.339	42.7	1.00	1.00	01/23/17	KCA	1
Toluene	17.2	0.266	0.266	64.8	1.00	1.00	01/23/17	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	01/23/17	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	01/23/17	KCA	1
Trichloroethene	ND	0.047	0.047	ND	0.25	0.25	01/23/17	KCA	1
Trichlorofluoromethane	0.253	0.178	0.178	1.42	1.00	1.00	01/23/17	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	01/23/17	KCA	1
Vinyl Chloride	ND	0.098	0.098	ND	0.25	0.25	01/23/17	KCA	1
<u>QA/QC Surrogates</u>									
% Bromofluorobenzene	104	%	%	104	%	%	01/23/17	KCA	1

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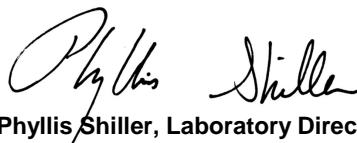
1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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

January 26, 2017

Reviewed and Released by: Ethan Lee, Project Manager



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

Analysis Report
 January 26, 2017

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

Sample Information

Matrix: AIR
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:
 Canister Id: 12867

Custody Information

Collected by: HL
 Received by: LB
 Analyzed by: see "By" below

Date Time
 01/20/17 12:47
 01/23/17 14:38

Laboratory Data

SDG ID: GBX35301
 Phoenix ID: BX35302

Project ID: 183 MCGUINNESS BLVD
 Client ID: SV2

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
<u>Volatiles (TO15)</u>										
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	01/23/17	KCA	1	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	01/23/17	KCA	1	
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	01/23/17	KCA	1	
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	01/23/17	KCA	1	
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	01/23/17	KCA	1	
1,1-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	01/23/17	KCA	1	
1,2,4-Trichlorobenzene	3.76	0.135	0.135	27.9	1.00	1.00	01/23/17	KCA	1	
1,2,4-Trimethylbenzene	2.19	0.204	0.204	10.8	1.00	1.00	01/23/17	KCA	1	
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	01/23/17	KCA	1	
1,2-Dichlorobenzene	0.193	0.166	0.166	1.16	1.00	1.00	01/23/17	KCA	1	
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	01/23/17	KCA	1	
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	01/23/17	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	01/23/17	KCA	1	
1,3,5-Trimethylbenzene	0.924	0.204	0.204	4.54	1.00	1.00	01/23/17	KCA	1	
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	01/23/17	KCA	1	
1,3-Dichlorobenzene	317	1.66	1.66	1900	10.0	10.0	01/24/17	KCA	10	
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	01/23/17	KCA	1	
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	01/23/17	KCA	1	
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	01/23/17	KCA	1	1
4-Ethyltoluene	3.40	0.204	0.204	16.7	1.00	1.00	01/23/17	KCA	1	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	01/23/17	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	01/23/17	KCA	1	
Acetone	128	4.21	4.21	304	10.0	10.0	01/24/17	KCA	10	
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	01/23/17	KCA	1	
Benzene	0.451	0.313	0.313	1.44	1.00	1.00	01/23/17	KCA	1	
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	01/23/17	KCA	1	

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	01/23/17	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	01/23/17	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	01/23/17	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	01/23/17	KCA	1
Carbon Tetrachloride	0.092	0.040	0.040	0.58	0.25	0.25	01/23/17	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	01/23/17	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	01/23/17	KCA	1
Chloroform	0.491	0.205	0.205	2.40	1.00	1.00	01/23/17	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	01/23/17	KCA	1
Cis-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	01/23/17	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	01/23/17	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	01/23/17	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	01/23/17	KCA	1
Dichlorodifluoromethane	0.619	0.202	0.202	3.06	1.00	1.00	01/23/17	KCA	1
Ethanol	31.0	0.531	0.531	58.4	1.00	1.00	01/23/17	KCA	1
Ethyl acetate	5.20	0.278	0.278	18.7	1.00	1.00	01/23/17	KCA	1
Ethylbenzene	22.4	0.230	0.230	97.2	1.00	1.00	01/23/17	KCA	1
Heptane	1.07	0.244	0.244	4.38	1.00	1.00	01/23/17	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	01/23/17	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	01/23/17	KCA	1
Isopropylalcohol	0.932	0.407	0.407	2.29	1.00	1.00	01/23/17	KCA	1
Isopropylbenzene	1.35	0.204	0.204	6.63	1.00	1.00	01/23/17	KCA	1
m,p-Xylene	218	2.30	2.30	946	10.0	10.0	01/24/17	KCA	10
Methyl Ethyl Ketone	2.93	0.339	0.339	8.64	1.00	1.00	01/23/17	KCA	1
Methyl tert-butyl ether(MTBE)	0.297	0.278	0.278	1.07	1.00	1.00	01/23/17	KCA	1
Methylene Chloride	ND	0.288	0.288	ND	1.00	1.00	01/23/17	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	01/23/17	KCA	1
o-Xylene	50.8	2.30	2.30	220	10.0	10.0	01/24/17	KCA	10
Propylene	ND	0.581	0.581	ND	1.00	1.00	01/23/17	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	01/23/17	KCA	1
Styrene	0.399	0.235	0.235	1.70	1.00	1.00	01/23/17	KCA	1
Tetrachloroethene	5.52	0.037	0.037	37.4	0.25	0.25	01/23/17	KCA	1
Tetrahydrofuran	2.87	0.339	0.339	8.46	1.00	1.00	01/23/17	KCA	1
Toluene	16.7	0.266	0.266	62.9	1.00	1.00	01/23/17	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	01/23/17	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	01/23/17	KCA	1
Trichloroethene	0.048	0.047	0.047	0.26	0.25	0.25	01/23/17	KCA	1
Trichlorofluoromethane	0.237	0.178	0.178	1.33	1.00	1.00	01/23/17	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	01/23/17	KCA	1
Vinyl Chloride	ND	0.098	0.098	ND	0.25	0.25	01/23/17	KCA	1
<u>QA/QC Surrogates</u>									
% Bromofluorobenzene	105	%	%	105	%	%	01/23/17	KCA	1

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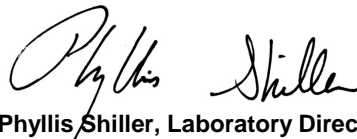
1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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

January 26, 2017

Reviewed and Released by: Ethan Lee, Project Manager



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

Analysis Report

January 26, 2017

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

Sample Information

Matrix: AIR
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:
 Canister Id: 224

Custody Information

Collected by: HL
 Received by: LB
 Analyzed by: see "By" below

Date: 01/20/17 12:38
 01/23/17 14:38

Laboratory Data

SDG ID: GBX35301
 Phoenix ID: BX35303

Project ID: 183 MCGUINNESS BLVD
 Client ID: SV1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	01/23/17	KCA	1	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	01/23/17	KCA	1	
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	01/23/17	KCA	1	
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	01/23/17	KCA	1	
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	01/23/17	KCA	1	
1,1-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	01/23/17	KCA	1	
1,2,4-Trichlorobenzene	2.14	0.135	0.135	15.9	1.00	1.00	01/23/17	KCA	1	
1,2,4-Trimethylbenzene	1.13	0.204	0.204	5.55	1.00	1.00	01/23/17	KCA	1	
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	01/23/17	KCA	1	
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	01/23/17	KCA	1	
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	01/23/17	KCA	1	
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	01/23/17	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	01/23/17	KCA	1	
1,3,5-Trimethylbenzene	0.534	0.204	0.204	2.62	1.00	1.00	01/23/17	KCA	1	
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	01/23/17	KCA	1	
1,3-Dichlorobenzene	221	1.66	1.66	1330	10.0	10.0	01/24/17	KCA	10	
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	01/23/17	KCA	1	
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	01/23/17	KCA	1	
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	01/23/17	KCA	1	1
4-Ethyltoluene	2.66	0.204	0.204	13.1	1.00	1.00	01/23/17	KCA	1	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	01/23/17	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	01/23/17	KCA	1	
Acetone	150	4.21	4.21	356	10.0	10.0	01/24/17	KCA	10	
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	01/23/17	KCA	1	
Benzene	0.726	0.313	0.313	2.32	1.00	1.00	01/23/17	KCA	1	
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	01/23/17	KCA	1	

Client ID: SV1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	01/23/17	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	01/23/17	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	01/23/17	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	01/23/17	KCA	1
Carbon Tetrachloride	ND	0.040	0.040	ND	0.25	0.25	01/23/17	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	01/23/17	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	01/23/17	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	01/23/17	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	01/23/17	KCA	1
Cis-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	01/23/17	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	01/23/17	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	01/23/17	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	01/23/17	KCA	1
Dichlorodifluoromethane	0.556	0.202	0.202	2.75	1.00	1.00	01/23/17	KCA	1
Ethanol	19.9	0.531	0.531	37.5	1.00	1.00	01/23/17	KCA	1
Ethyl acetate	4.27	0.278	0.278	15.4	1.00	1.00	01/23/17	KCA	1
Ethylbenzene	20.6	0.230	0.230	89.4	1.00	1.00	01/23/17	KCA	1
Heptane	1.00	0.244	0.244	4.10	1.00	1.00	01/23/17	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	01/23/17	KCA	1
Hexane	0.464	S 0.284	0.284	1.63	1.00	1.00	01/23/17	KCA	1
Isopropylalcohol	0.766	0.407	0.407	1.88	1.00	1.00	01/23/17	KCA	1
Isopropylbenzene	0.989	0.204	0.204	4.86	1.00	1.00	01/23/17	KCA	1
m,p-Xylene	189	2.30	2.30	820	10.0	10.0	01/24/17	KCA	10
Methyl Ethyl Ketone	7.54	0.339	0.339	22.2	1.00	1.00	01/23/17	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	01/23/17	KCA	1
Methylene Chloride	0.451	S 0.288	0.288	1.57	1.00	1.00	01/23/17	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	01/23/17	KCA	1
o-Xylene	38.1	0.230	0.230	165	1.00	1.00	01/23/17	KCA	1
Propylene	0.934	0.581	0.581	1.61	1.00	1.00	01/23/17	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	01/23/17	KCA	1
Styrene	0.267	0.235	0.235	1.14	1.00	1.00	01/23/17	KCA	1
Tetrachloroethene	0.308	0.037	0.037	2.09	0.25	0.25	01/23/17	KCA	1
Tetrahydrofuran	3.51	0.339	0.339	10.3	1.00	1.00	01/23/17	KCA	1
Toluene	20.3	0.266	0.266	76.5	1.00	1.00	01/23/17	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	01/23/17	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	01/23/17	KCA	1
Trichloroethene	0.124	0.047	0.047	0.67	0.25	0.25	01/23/17	KCA	1
Trichlorofluoromethane	0.192	0.178	0.178	1.08	1.00	1.00	01/23/17	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	01/23/17	KCA	1
Vinyl Chloride	ND	0.098	0.098	ND	0.25	0.25	01/23/17	KCA	1
<u>QA/QC Surrogates</u>									
% Bromofluorobenzene	103	%	%	103	%	%	01/23/17	KCA	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

S - Laboratory solvent, contamination is possible.

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

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Phyllis Shiller, Laboratory Director

January 26, 2017

Reviewed and Released by: Ethan Lee, Project Manager

Thursday, January 26, 2017

Criteria: None

State: NY

Sample Criteria Exceedances Report

GBX35301 - EBC

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 exceedances. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedance information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



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. # _____ Page | of |

Data Delivery: _____

Fax #: _____

Email: FK

Phone #: _____

Project Name: 183 McGuinness Blvd
 Requested Deliverable: ASP CAT B
 RCP MCP NJ Deliverables

State where samples collected: NY

Invoice to:

Sampled by: Hongpeng Lau

Phoenix ID #	Client Sample ID	THIS SECTION FOR LAB USE ONLY										Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-14	TO-15		
		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)	
	Pid Nol use	484	6.0	-30		5385	43											
35301	SV3	9767			-1	5355					10:39	10:58	1-20-17	-30	-5			X
35302	SV2	12867			-5	4955					10:41	10:47	1-20-17	-29	-5			X
35303	SV1	224			-2	4991					10:38	10:38	1-20-17	-30	-4			X

Relinquished by: [Signature] Date: 1-23-17 Time: 12:44
 Accepted by: [Signature] Date: 1-23-17 Time: 14:38
 Data Format: Excel PDF Other:
 Equis GISKey

SPECIAL INSTRUCTIONS, OC REQUIREMENTS, REGULATORY INFORMATION:

Requested Criteria

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.

Quote Number: _____

Date: _____



Tuesday, January 24, 2017

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

Project ID: 183 MCGUINNESS BLVD BROOKLYN NY
Sample ID#s: BX31973 - BX31974

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. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

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

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

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



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



SDG Comments

January 24, 2017

SDG I.D.: GBX31973

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.

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

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



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

Analysis Report

January 24, 2017

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

Sample Information

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

Custody Information

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

Date

01/17/17

Time

16:00

Laboratory Data

SDG ID: GBX31973
 Phoenix ID: BX31973

Project ID: 183 MCGUINNESS BLVD BROOKLYN NY
 Client ID: GW 2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.005	0.001	mg/L	1	01/19/17	LK	SW6010C
Aluminum	16.7	0.010	0.005	mg/L	1	01/19/17	LK	SW6010C
Arsenic - LDL	ND	0.004	0.004	mg/L	1	01/19/17	LK	SW6010C
Barium	0.197	0.010	0.001	mg/L	1	01/19/17	LK	SW6010C
Beryllium	ND	0.001	0.001	mg/L	1	01/19/17	LK	SW6010C
Calcium	44.6	0.010	0.01	mg/L	1	01/19/17	LK	SW6010C
Cadmium	0.001	J 0.004	0.0005	mg/L	1	01/19/17	LK	SW6010C
Cobalt	0.012	0.005	0.001	mg/L	1	01/19/17	LK	SW6010C
Chromium	0.030	0.001	0.001	mg/L	1	01/19/17	LK	SW6010C
Copper	0.027	0.005	0.001	mg/L	1	01/19/17	LK	SW6010C
Silver (Dissolved)	ND	0.005	0.001	mg/L	1	01/19/17	LK	SW6010C
Aluminum (Dissolved)	ND	0.011	0.005	mg/L	1	01/19/17	LK	SW6010C
Arsenic, (Dissolved)	ND	0.003	0.004	mg/L	1	01/19/17	LK	SW6010C
Barium (Dissolved)	0.065	0.011	0.001	mg/L	1	01/19/17	LK	SW6010C
Beryllium (Dissolved)	ND	0.001	0.001	mg/L	1	01/19/17	LK	SW6010C
Calcium (Dissolved)	42.8	0.01	0.01	mg/L	1	01/19/17	LK	SW6010C
Cadmium (Dissolved)	ND	0.004	0.0005	mg/L	1	01/19/17	LK	SW6010C
Cobalt, (Dissolved)	ND	0.005	0.001	mg/L	1	01/19/17	LK	SW6010C
Chromium (Dissolved)	0.002	0.001	0.001	mg/L	1	01/19/17	LK	SW6010C
Copper, (Dissolved)	ND	0.005	0.001	mg/L	1	01/19/17	LK	SW6010C
Iron, (Dissolved)	ND	0.01	0.01	mg/L	1	01/20/17	LK	SW6010C
Mercury (Dissolved)	ND	0.0002	0.00015	mg/L	1	01/19/17	MA	SW7470A
Potassium (Dissolved)	4.0	0.1	0.01	mg/L	1	01/19/17	LK	SW6010C
Magnesium (Dissolved)	5.58	0.01	0.01	mg/L	1	01/19/17	LK	SW6010C
Manganese, (Dissolved)	0.007	0.005	0.001	mg/L	1	01/19/17	LK	SW6010C
Sodium (Dissolved)	15.1	0.11	0.01	mg/L	1	01/19/17	LK	SW6010C
Nickel, (Dissolved)	0.003	J 0.004	0.001	mg/L	1	01/19/17	LK	SW6010C
Lead (Dissolved)	ND	0.002	0.001	mg/L	1	01/19/17	LK	SW6010C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Antimony, (Dissolved)	ND	0.003	0.003	mg/L	1	01/20/17	MA	SW7010
Selenium, (Dissolved)	0.004	J 0.004	0.002	mg/L	1	01/19/17	MA	SW7010
Thallium , (Dissolved)	ND	0.0005	0.0005	mg/L	1	01/19/17	MA	SW7010
Vanadium, (Dissolved)	ND	0.011	0.001	mg/L	1	01/19/17	LK	SW6010C
Zinc, (Dissolved)	0.047	0.011	0.0012	mg/L	1	01/19/17	LK	SW6010C
Iron	20.8	0.01	0.01	mg/L	1	01/19/17	LK	SW6010C
Mercury	ND	0.0002	0.00015	mg/L	1	01/19/17	MA	SW7470A
Potassium	7.1	0.1	0.01	mg/L	1	01/19/17	LK	SW6010C
Magnesium	8.56	0.010	0.01	mg/L	1	01/19/17	LK	SW6010C
Manganese	1.33	0.005	0.001	mg/L	1	01/19/17	LK	SW6010C
Sodium	15.8	0.10	0.01	mg/L	1	01/19/17	LK	SW6010C
Nickel	0.032	0.004	0.001	mg/L	1	01/19/17	LK	SW6010C
Lead	0.010	0.002	0.001	mg/L	1	01/19/17	LK	SW6010C
Antimony	ND	0.002	0.002	mg/L	1	01/20/17	MA	SW7010
Selenium	0.001	J 0.002	0.001	mg/L	1	01/19/17	MA	SW7010
Thallium - LDL	ND	0.0005	0.0005	mg/L	1	01/19/17	MA	SW7010
Vanadium	0.028	0.010	0.001	mg/L	1	01/19/17	LK	SW6010C
Zinc	0.164	0.010	0.0011	mg/L	1	01/19/17	LK	SW6010C
Filtration	Completed					01/18/17	AG	0.45um Filter
Dissolved Mercury Digestion	Completed					01/19/17	Q/Q	SW7470A
Mercury Digestion	Completed					01/19/17	Q/Q	SW7470A
PCB Extraction (2 Liter)	Completed					01/18/17	Z/Z	SW3510C
Extraction for Pest (2 Liter)	Completed					01/18/17	Z/Z	SW3510C
Semi-Volatile Extraction	Completed					01/18/17	P/D/D	SW3520C
Dissolved Metals Preparation	Completed					01/18/17	AG	SW3005A
Total Metals Digestion	Completed					01/18/17	AG	

B

Pesticides

4,4' -DDD	ND	0.005	0.010	ug/L	1	01/20/17	CE	SW8081B
4,4' -DDE	0.008	0.005	0.010	ug/L	1	01/20/17	CE	SW8081B
4,4' -DDT	0.011	0.005	0.010	ug/L	1	01/20/17	CE	SW8081B
a-BHC	ND	0.005	0.005	ug/L	1	01/20/17	CE	SW8081B
a-chlordane	ND	0.010	0.010	ug/L	1	01/20/17	CE	SW8081B
Alachlor	ND	0.075	0.075	ug/L	1	01/20/17	CE	SW8081B
Aldrin	ND	0.002	0.002	ug/L	1	01/20/17	CE	SW8081B
b-BHC	ND	0.005	0.005	ug/L	1	01/20/17	CE	SW8081B
Chlordane	0.33	0.050	0.050	ug/L	1	01/20/17	CE	SW8081B
d-BHC	ND	0.005	0.005	ug/L	1	01/20/17	CE	SW8081B
Dieldrin	0.016	0.002	0.002	ug/L	1	01/20/17	CE	SW8081B
Endosulfan I	ND	0.010	0.010	ug/L	1	01/20/17	CE	SW8081B
Endosulfan II	ND	0.010	0.010	ug/L	1	01/20/17	CE	SW8081B
Endosulfan Sulfate	ND	0.010	0.010	ug/L	1	01/20/17	CE	SW8081B
Endrin	ND	0.010	0.010	ug/L	1	01/20/17	CE	SW8081B
Endrin Aldehyde	ND	0.010	0.010	ug/L	1	01/20/17	CE	SW8081B
Endrin ketone	ND	0.010	0.010	ug/L	1	01/20/17	CE	SW8081B
g-BHC (Lindane)	ND	0.005	0.005	ug/L	1	01/20/17	CE	SW8081B
g-chlordane	0.044	0.010	0.010	ug/L	1	01/20/17	CE	SW8081B
Heptachlor	ND	0.010	0.010	ug/L	1	01/20/17	CE	SW8081B
Heptachlor epoxide	0.019	0.010	0.010	ug/L	1	01/20/17	CE	SW8081B
Methoxychlor	ND	0.10	0.10	ug/L	1	01/20/17	CE	SW8081B

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Toxaphene	ND	0.20	0.20	ug/L	1	01/20/17	CE	SW8081B
<u>QA/QC Surrogates</u>								
%DCBP (Surrogate Rec)	66			%	1	01/20/17	CE	SW8081B
%TCMX (Surrogate Rec)	97			%	1	01/20/17	CE	SW8081B
<u>Polychlorinated Biphenyls</u>								
PCB-1016	ND	0.050	0.050	ug/L	1	01/20/17	AW	E608/SW8082A
PCB-1221	ND	0.050	0.050	ug/L	1	01/20/17	AW	E608/SW8082A
PCB-1232	ND	0.050	0.050	ug/L	1	01/20/17	AW	E608/SW8082A
PCB-1242	ND	0.050	0.050	ug/L	1	01/20/17	AW	E608/SW8082A
PCB-1248	ND	0.050	0.050	ug/L	1	01/20/17	AW	E608/SW8082A
PCB-1254	ND	0.050	0.050	ug/L	1	01/20/17	AW	E608/SW8082A
PCB-1260	ND	0.050	0.050	ug/L	1	01/20/17	AW	E608/SW8082A
PCB-1262	ND	0.050	0.050	ug/L	1	01/20/17	AW	E608/SW8082A
PCB-1268	ND	0.050	0.050	ug/L	1	01/20/17	AW	E608/SW8082A
<u>QA/QC Surrogates</u>								
% DCBP	60			%	1	01/20/17	AW	40 - 140 %
% TCMX	82			%	1	01/20/17	AW	40 - 140 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	01/19/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	01/19/17	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	01/19/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	01/19/17	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	01/19/17	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	01/19/17	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	01/19/17	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	01/19/17	MH	SW8260C
Acetone	33	S 25	13	ug/L	5	01/19/17	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	01/19/17	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	01/19/17	MH	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	01/19/17	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Bromobenzene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Chloromethane	0.97	J 5.0	0.25	ug/L	1	01/19/17	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	01/19/17	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	01/19/17	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Methyl ethyl ketone	18	2.5	2.5	ug/L	1	01/19/17	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	01/19/17	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	01/19/17	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Tetrachloroethene	2.4	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Tetrahydrofuran (THF)	16	5.0	2.5	ug/L	1	01/19/17	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	01/19/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	01/19/17	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	01/19/17	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	107			%	1	01/19/17	MH	70 - 130 %
% Bromofluorobenzene	102			%	1	01/19/17	MH	70 - 130 %
% Dibromofluoromethane	110			%	1	01/19/17	MH	70 - 130 %
% Toluene-d8	96			%	1	01/19/17	MH	70 - 130 %
<u>Semivolatiles</u>								
1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/L	1	01/23/17	DD	SW8270D
1,2-Dichlorobenzene	ND	1.0	1.0	ug/L	1	01/23/17	DD	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	5.0	1.6	ug/L	1	01/23/17	DD	SW8270D
1,3-Dichlorobenzene	ND	1.0	1.0	ug/L	1	01/23/17	DD	SW8270D
1,4-Dichlorobenzene	ND	1.0	1.0	ug/L	1	01/23/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	1.0	1.0	ug/L	1	01/23/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	1.0	1.0	ug/L	1	01/23/17	DD	SW8270D
2,4-Dichlorophenol	ND	1.0	1.0	ug/L	1	01/23/17	DD	SW8270D
2,4-Dimethylphenol	ND	1.0	1.0	ug/L	1	01/23/17	DD	SW8270D
2,4-Dinitrophenol	ND	1.0	1.0	ug/L	1	01/23/17	DD	SW8270D
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	1	01/23/17	DD	SW8270D
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	1	01/23/17	DD	SW8270D
2-Chloronaphthalene	ND	5.0	1.4	ug/L	1	01/23/17	DD	SW8270D
2-Chlorophenol	ND	1.0	1.0	ug/L	1	01/23/17	DD	SW8270D
2-Methylnaphthalene	ND	5.0	1.5	ug/L	1	01/23/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	1.0	1.0	ug/L	1	01/23/17	DD	SW8270D
2-Nitroaniline	ND	5.0	2.0	ug/L	1	01/23/17	DD	SW8270D
2-Nitrophenol	ND	1.0	1.0	ug/L	1	01/23/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	1.0	1.0	ug/L	1	01/23/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	5.0	2.4	ug/L	1	01/23/17	DD	SW8270D
3-Nitroaniline	ND	5.0	2.0	ug/L	1	01/23/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1.0	1.0	ug/L	1	01/23/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	1	01/23/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	1.0	1.0	ug/L	1	01/23/17	DD	SW8270D
4-Chloroaniline	ND	3.5	2.3	ug/L	1	01/23/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	1	01/23/17	DD	SW8270D
4-Nitroaniline	ND	5.0	1.7	ug/L	1	01/23/17	DD	SW8270D
4-Nitrophenol	ND	1.0	1.0	ug/L	1	01/23/17	DD	SW8270D
Acenaphthene	ND	5.0	1.5	ug/L	1	01/23/17	DD	SW8270D
Acetophenone	ND	5.0	1.6	ug/L	1	01/23/17	DD	SW8270D
Aniline	ND	3.5	5.0	ug/L	1	01/23/17	DD	SW8270D
Anthracene	ND	5.0	1.6	ug/L	1	01/23/17	DD	SW8270D
Benzidine	ND	4.5	2.9	ug/L	1	01/23/17	DD	SW8270D
Benzoic acid	ND	25	10	ug/L	1	01/23/17	DD	SW8270D
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	1	01/23/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	1	01/23/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	1.0	1.0	ug/L	1	01/23/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	1	01/23/17	DD	SW8270D
Carbazole	ND	5.0	3.8	ug/L	1	01/23/17	DD	SW8270D
Dibenzofuran	ND	5.0	1.5	ug/L	1	01/23/17	DD	SW8270D
Diethyl phthalate	ND	5.0	1.6	ug/L	1	01/23/17	DD	SW8270D
Dimethylphthalate	ND	5.0	1.6	ug/L	1	01/23/17	DD	SW8270D
Di-n-butylphthalate	ND	5.0	1.3	ug/L	1	01/23/17	DD	SW8270D
Di-n-octylphthalate	ND	5.0	1.3	ug/L	1	01/23/17	DD	SW8270D
Fluoranthene	ND	5.0	1.6	ug/L	1	01/23/17	DD	SW8270D
Fluorene	ND	5.0	1.7	ug/L	1	01/23/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	1	01/23/17	DD	SW8270D
Isophorone	ND	5.0	1.4	ug/L	1	01/23/17	DD	SW8270D
Naphthalene	ND	5.0	1.4	ug/L	1	01/23/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	1	01/23/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	1	01/23/17	DD	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Phenol	ND	1.0	1.0	ug/L	1	01/23/17	DD	SW8270D
Pyrene	ND	5.0	1.7	ug/L	1	01/23/17	DD	SW8270D
Pyridine	ND	10	1.2	ug/L	1	01/23/17	DD	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	79			%	1	01/23/17	DD	15 - 110 %
% 2-Fluorobiphenyl	79			%	1	01/23/17	DD	30 - 130 %
% 2-Fluorophenol	46			%	1	01/23/17	DD	15 - 110 %
% Nitrobenzene-d5	69			%	1	01/23/17	DD	30 - 130 %
% Phenol-d5	38			%	1	01/23/17	DD	15 - 110 %
% Terphenyl-d14	71			%	1	01/23/17	DD	30 - 130 %
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	0.50	0.50	ug/L	1	01/20/17	DD	SW8270D (SIM)
Acenaphthylene	ND	0.10	0.10	ug/L	1	01/20/17	DD	SW8270D (SIM)
Benz(a)anthracene	ND	0.02	0.02	ug/L	1	01/20/17	DD	SW8270D (SIM)
Benzo(a)pyrene	ND	0.02	0.02	ug/L	1	01/20/17	DD	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	1	01/20/17	DD	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.02	0.02	ug/L	1	01/20/17	DD	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	1	01/20/17	DD	SW8270D (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.0	1.0	ug/L	1	01/20/17	DD	SW8270D (SIM)
Chrysene	ND	0.02	0.02	ug/L	1	01/20/17	DD	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	1	01/20/17	DD	SW8270D (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	1	01/20/17	DD	SW8270D (SIM)
Hexachlorobutadiene	ND	0.40	0.40	ug/L	1	01/20/17	DD	SW8270D (SIM)
Hexachloroethane	ND	0.50	0.50	ug/L	1	01/20/17	DD	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	1	01/20/17	DD	SW8270D (SIM)
Nitrobenzene	ND	0.10	0.10	ug/L	1	01/20/17	DD	SW8270D (SIM)
N-Nitrosodimethylamine	ND	0.10	0.10	ug/L	1	01/20/17	DD	SW8270D (SIM)
Pentachloronitrobenzene	ND	0.10	0.10	ug/L	1	01/20/17	DD	SW8270D (SIM)
Pentachlorophenol	ND	0.80	0.80	ug/L	1	01/20/17	DD	SW8270D (SIM)
Phenanthrene	ND	0.10	0.10	ug/L	1	01/20/17	DD	SW8270D (SIM)
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	102			%	1	01/20/17	DD	15 - 110 %
% 2-Fluorobiphenyl	83			%	1	01/20/17	DD	30 - 130 %
% 2-Fluorophenol	66			%	1	01/20/17	DD	15 - 110 %
% Nitrobenzene-d5	95			%	1	01/20/17	DD	30 - 130 %
% Phenol-d5	50			%	1	01/20/17	DD	15 - 110 %
% Terphenyl-d14	97			%	1	01/20/17	DD	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
 B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
 QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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.

Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

S - Laboratory solvent, contamination is possible.

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

January 24, 2017

Reviewed and Released by: Ethan Lee, Project Manager



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

Analysis Report
 January 24, 2017

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

Sample Information

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

Custody Information

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

Date

01/17/17
 01/18/17

Time

16:00

Laboratory Data

SDG ID: GBX31973
 Phoenix ID: BX31974

Project ID: 183 MCGUINNESS BLVD BROOKLYN NY
 Client ID: GW DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.005	0.001	mg/L	1	01/19/17	LK	SW6010C
Aluminum	24.1	0.010	0.005	mg/L	1	01/19/17	LK	SW6010C
Arsenic - LDL	0.004	0.004	0.004	mg/L	1	01/19/17	LK	SW6010C
Barium	0.250	0.010	0.001	mg/L	1	01/19/17	LK	SW6010C
Beryllium	0.001	0.001	0.001	mg/L	1	01/19/17	LK	SW6010C
Calcium	43.9	0.010	0.01	mg/L	1	01/19/17	LK	SW6010C
Cadmium	0.001	J 0.004	0.0005	mg/L	1	01/19/17	LK	SW6010C
Cobalt	0.016	0.005	0.001	mg/L	1	01/19/17	LK	SW6010C
Chromium	0.040	0.001	0.001	mg/L	1	01/19/17	LK	SW6010C
Copper	0.038	0.005	0.001	mg/L	1	01/19/17	LK	SW6010C
Silver (Dissolved)	ND	0.005	0.001	mg/L	1	01/19/17	LK	SW6010C
Aluminum (Dissolved)	ND	0.011	0.005	mg/L	1	01/19/17	LK	SW6010C
Arsenic, (Dissolved)	ND	0.003	0.004	mg/L	1	01/19/17	LK	SW6010C
Barium (Dissolved)	0.063	0.011	0.001	mg/L	1	01/19/17	LK	SW6010C
Beryllium (Dissolved)	ND	0.001	0.001	mg/L	1	01/19/17	LK	SW6010C
Calcium (Dissolved)	39.8	0.01	0.01	mg/L	1	01/19/17	LK	SW6010C
Cadmium (Dissolved)	ND	0.004	0.0005	mg/L	1	01/19/17	LK	SW6010C
Cobalt, (Dissolved)	ND	0.005	0.001	mg/L	1	01/19/17	LK	SW6010C
Chromium (Dissolved)	0.002	0.001	0.001	mg/L	1	01/19/17	LK	SW6010C
Copper, (Dissolved)	ND	0.005	0.001	mg/L	1	01/19/17	LK	SW6010C
Iron, (Dissolved)	ND	0.01	0.01	mg/L	1	01/20/17	LK	SW6010C
Mercury (Dissolved)	ND	0.0002	0.00015	mg/L	1	01/19/17	MA	SW7470A
Potassium (Dissolved)	3.9	0.1	0.01	mg/L	1	01/19/17	LK	SW6010C
Magnesium (Dissolved)	5.34	0.01	0.01	mg/L	1	01/19/17	LK	SW6010C
Manganese, (Dissolved)	0.004	J 0.005	0.001	mg/L	1	01/19/17	LK	SW6010C
Sodium (Dissolved)	14.5	0.11	0.01	mg/L	1	01/19/17	LK	SW6010C
Nickel, (Dissolved)	0.002	J 0.004	0.001	mg/L	1	01/19/17	LK	SW6010C
Lead (Dissolved)	ND	0.002	0.001	mg/L	1	01/19/17	LK	SW6010C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Antimony, (Dissolved)	ND	0.003	0.003	mg/L	1	01/20/17	MA	SW7010
Selenium, (Dissolved)	0.004	J 0.004	0.002	mg/L	1	01/19/17	MA	SW7010
Thallium , (Dissolved)	ND	0.0005	0.0005	mg/L	1	01/19/17	MA	SW7010
Vanadium, (Dissolved)	ND	0.011	0.001	mg/L	1	01/19/17	LK	SW6010C
Zinc, (Dissolved)	0.042	0.011	0.0012	mg/L	1	01/19/17	LK	SW6010C
Iron	31.0	0.01	0.01	mg/L	1	01/19/17	LK	SW6010C
Mercury	ND	0.0002	0.00015	mg/L	1	01/19/17	MA	SW7470A
Potassium	8.6	0.1	0.01	mg/L	1	01/19/17	LK	SW6010C
Magnesium	10.2	0.010	0.01	mg/L	1	01/19/17	LK	SW6010C
Manganese	1.83	0.005	0.001	mg/L	1	01/19/17	LK	SW6010C
Sodium	16.4	0.10	0.01	mg/L	1	01/19/17	LK	SW6010C
Nickel	0.044	0.004	0.001	mg/L	1	01/19/17	LK	SW6010C
Lead	0.014	0.002	0.001	mg/L	1	01/19/17	LK	SW6010C
Antimony	ND	0.002	0.002	mg/L	1	01/20/17	MA	SW7010
Selenium	0.002	J 0.002	0.001	mg/L	1	01/19/17	MA	SW7010
Thallium - LDL	ND	0.0005	0.0005	mg/L	1	01/19/17	MA	SW7010
Vanadium	0.041	0.010	0.001	mg/L	1	01/19/17	LK	SW6010C
Zinc	0.206	0.010	0.0011	mg/L	1	01/19/17	LK	SW6010C
Filtration	Completed					01/18/17	AG	0.45um Filter
Dissolved Mercury Digestion	Completed					01/19/17	Q/Q	SW7470A
Mercury Digestion	Completed					01/19/17	Q/Q	SW7470A
PCB Extraction (2 Liter)	Completed					01/18/17	Z/Z	SW3510C
Extraction for Pest (2 Liter)	Completed					01/18/17	Z/Z	SW3510C
Semi-Volatile Extraction	Completed					01/18/17	P/D/D	SW3520C
Dissolved Metals Preparation	Completed					01/18/17	AG	SW3005A
Total Metals Digestion	Completed					01/18/17	AG	
Pesticides								
4,4' -DDD	ND	0.005	0.010	ug/L	1	01/20/17	CE	SW8081B
4,4' -DDE	ND	0.010	0.010	ug/L	1	01/20/17	CE	SW8081B
4,4' -DDT	0.025	0.005	0.010	ug/L	1	01/20/17	CE	SW8081B
a-BHC	ND	0.005	0.005	ug/L	1	01/20/17	CE	SW8081B
a-chlordane	ND	0.010	0.010	ug/L	1	01/20/17	CE	SW8081B
Alachlor	ND	0.075	0.075	ug/L	1	01/20/17	CE	SW8081B
Aldrin	ND	0.002	0.002	ug/L	1	01/20/17	CE	SW8081B
b-BHC	ND	0.005	0.005	ug/L	1	01/20/17	CE	SW8081B
Chlordane	0.33	0.050	0.050	ug/L	1	01/20/17	CE	SW8081B
d-BHC	ND	0.005	0.005	ug/L	1	01/20/17	CE	SW8081B
Dieldrin	0.012	0.002	0.002	ug/L	1	01/20/17	CE	SW8081B
Endosulfan I	ND	0.010	0.010	ug/L	1	01/20/17	CE	SW8081B
Endosulfan II	ND	0.010	0.010	ug/L	1	01/20/17	CE	SW8081B
Endosulfan Sulfate	ND	0.010	0.010	ug/L	1	01/20/17	CE	SW8081B
Endrin	ND	0.010	0.010	ug/L	1	01/20/17	CE	SW8081B
Endrin Aldehyde	ND	0.010	0.010	ug/L	1	01/20/17	CE	SW8081B
Endrin ketone	ND	0.010	0.010	ug/L	1	01/20/17	CE	SW8081B
g-BHC (Lindane)	ND	0.005	0.005	ug/L	1	01/20/17	CE	SW8081B
g-chlordane	0.041	0.010	0.010	ug/L	1	01/20/17	CE	SW8081B
Heptachlor	ND	0.010	0.010	ug/L	1	01/20/17	CE	SW8081B
Heptachlor epoxide	0.017	0.010	0.010	ug/L	1	01/20/17	CE	SW8081B
Methoxychlor	ND	0.10	0.10	ug/L	1	01/20/17	CE	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Toxaphene	ND	0.20	0.20	ug/L	1	01/20/17	CE	SW8081B
<u>QA/QC Surrogates</u>								
%DCBP (Surrogate Rec)	70			%	1	01/20/17	CE	SW8081B
%TCMX (Surrogate Rec)	93			%	1	01/20/17	CE	SW8081B
<u>Polychlorinated Biphenyls</u>								
PCB-1016	ND	0.050	0.050	ug/L	1	01/20/17	AW	E608/SW8082A
PCB-1221	ND	0.050	0.050	ug/L	1	01/20/17	AW	E608/SW8082A
PCB-1232	ND	0.050	0.050	ug/L	1	01/20/17	AW	E608/SW8082A
PCB-1242	ND	0.050	0.050	ug/L	1	01/20/17	AW	E608/SW8082A
PCB-1248	ND	0.050	0.050	ug/L	1	01/20/17	AW	E608/SW8082A
PCB-1254	ND	0.050	0.050	ug/L	1	01/20/17	AW	E608/SW8082A
PCB-1260	ND	0.050	0.050	ug/L	1	01/20/17	AW	E608/SW8082A
PCB-1262	ND	0.050	0.050	ug/L	1	01/20/17	AW	E608/SW8082A
PCB-1268	ND	0.050	0.050	ug/L	1	01/20/17	AW	E608/SW8082A
<u>QA/QC Surrogates</u>								
% DCBP	66			%	1	01/20/17	AW	40 - 140 %
% TCMX	80			%	1	01/20/17	AW	40 - 140 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	01/19/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	01/19/17	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	01/19/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	01/19/17	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	01/19/17	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	01/19/17	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	01/19/17	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	01/19/17	MH	SW8260C
Acetone	32	S 25	13	ug/L	5	01/19/17	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	01/19/17	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	01/19/17	MH	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	01/19/17	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Bromobenzene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	01/19/17	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	01/19/17	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	01/19/17	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Methyl ethyl ketone	18	2.5	2.5	ug/L	1	01/19/17	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	01/19/17	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	01/19/17	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Tetrachloroethene	2.1	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Tetrahydrofuran (THF)	17	5.0	2.5	ug/L	1	01/19/17	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	01/19/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	01/19/17	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	01/19/17	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	01/19/17	MH	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	109			%	1	01/19/17	MH	70 - 130 %
% Bromofluorobenzene	88			%	1	01/19/17	MH	70 - 130 %
% Dibromofluoromethane	112			%	1	01/19/17	MH	70 - 130 %
% Toluene-d8	99			%	1	01/19/17	MH	70 - 130 %
<u>Semivolatiles</u>								
1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/L	1	01/23/17	DD	SW8270D
1,2-Dichlorobenzene	ND	1.0	1.0	ug/L	1	01/23/17	DD	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	5.0	1.6	ug/L	1	01/23/17	DD	SW8270D
1,3-Dichlorobenzene	ND	1.0	1.0	ug/L	1	01/23/17	DD	SW8270D
1,4-Dichlorobenzene	ND	1.0	1.0	ug/L	1	01/23/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	1.0	1.0	ug/L	1	01/23/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	1.0	1.0	ug/L	1	01/23/17	DD	SW8270D
2,4-Dichlorophenol	ND	1.0	1.0	ug/L	1	01/23/17	DD	SW8270D
2,4-Dimethylphenol	ND	1.0	1.0	ug/L	1	01/23/17	DD	SW8270D
2,4-Dinitrophenol	ND	1.0	1.0	ug/L	1	01/23/17	DD	SW8270D
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	1	01/23/17	DD	SW8270D
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	1	01/23/17	DD	SW8270D
2-Chloronaphthalene	ND	5.0	1.4	ug/L	1	01/23/17	DD	SW8270D
2-Chlorophenol	ND	1.0	1.0	ug/L	1	01/23/17	DD	SW8270D
2-Methylnaphthalene	ND	5.0	1.5	ug/L	1	01/23/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	1.0	1.0	ug/L	1	01/23/17	DD	SW8270D
2-Nitroaniline	ND	5.0	2.0	ug/L	1	01/23/17	DD	SW8270D
2-Nitrophenol	ND	1.0	1.0	ug/L	1	01/23/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	1.0	1.0	ug/L	1	01/23/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	5.0	2.4	ug/L	1	01/23/17	DD	SW8270D
3-Nitroaniline	ND	5.0	2.0	ug/L	1	01/23/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1.0	1.0	ug/L	1	01/23/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	1	01/23/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	1.0	1.0	ug/L	1	01/23/17	DD	SW8270D
4-Chloroaniline	ND	3.5	2.3	ug/L	1	01/23/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	1	01/23/17	DD	SW8270D
4-Nitroaniline	ND	5.0	1.7	ug/L	1	01/23/17	DD	SW8270D
4-Nitrophenol	ND	1.0	1.0	ug/L	1	01/23/17	DD	SW8270D
Acenaphthene	ND	5.0	1.5	ug/L	1	01/23/17	DD	SW8270D
Acetophenone	ND	5.0	1.6	ug/L	1	01/23/17	DD	SW8270D
Aniline	ND	3.5	5.0	ug/L	1	01/23/17	DD	SW8270D
Anthracene	ND	5.0	1.6	ug/L	1	01/23/17	DD	SW8270D
Benzidine	ND	4.5	2.9	ug/L	1	01/23/17	DD	SW8270D
Benzoic acid	ND	25	10	ug/L	1	01/23/17	DD	SW8270D
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	1	01/23/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	1	01/23/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	1.0	1.0	ug/L	1	01/23/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	1	01/23/17	DD	SW8270D
Carbazole	ND	5.0	3.8	ug/L	1	01/23/17	DD	SW8270D
Dibenzofuran	ND	5.0	1.5	ug/L	1	01/23/17	DD	SW8270D
Diethyl phthalate	ND	5.0	1.6	ug/L	1	01/23/17	DD	SW8270D
Dimethylphthalate	ND	5.0	1.6	ug/L	1	01/23/17	DD	SW8270D
Di-n-butylphthalate	ND	5.0	1.3	ug/L	1	01/23/17	DD	SW8270D
Di-n-octylphthalate	ND	5.0	1.3	ug/L	1	01/23/17	DD	SW8270D
Fluoranthene	ND	5.0	1.6	ug/L	1	01/23/17	DD	SW8270D
Fluorene	ND	5.0	1.7	ug/L	1	01/23/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	1	01/23/17	DD	SW8270D
Isophorone	ND	5.0	1.4	ug/L	1	01/23/17	DD	SW8270D
Naphthalene	ND	5.0	1.4	ug/L	1	01/23/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	1	01/23/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	1	01/23/17	DD	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Phenol	ND	1.0	1.0	ug/L	1	01/23/17	DD	SW8270D
Pyrene	ND	5.0	1.7	ug/L	1	01/23/17	DD	SW8270D
Pyridine	ND	10	1.2	ug/L	1	01/23/17	DD	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	77			%	1	01/23/17	DD	15 - 110 %
% 2-Fluorobiphenyl	73			%	1	01/23/17	DD	30 - 130 %
% 2-Fluorophenol	43			%	1	01/23/17	DD	15 - 110 %
% Nitrobenzene-d5	58			%	1	01/23/17	DD	30 - 130 %
% Phenol-d5	49			%	1	01/23/17	DD	15 - 110 %
% Terphenyl-d14	80			%	1	01/23/17	DD	30 - 130 %
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	0.50	0.50	ug/L	1	01/20/17	DD	SW8270D (SIM)
Acenaphthylene	ND	0.10	0.10	ug/L	1	01/20/17	DD	SW8270D (SIM)
Benz(a)anthracene	ND	0.02	0.02	ug/L	1	01/20/17	DD	SW8270D (SIM)
Benzo(a)pyrene	ND	0.02	0.02	ug/L	1	01/20/17	DD	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	1	01/20/17	DD	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.02	0.02	ug/L	1	01/20/17	DD	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	1	01/20/17	DD	SW8270D (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.0	1.0	ug/L	1	01/20/17	DD	SW8270D (SIM)
Chrysene	ND	0.02	0.02	ug/L	1	01/20/17	DD	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	1	01/20/17	DD	SW8270D (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	1	01/20/17	DD	SW8270D (SIM)
Hexachlorobutadiene	ND	0.40	0.40	ug/L	1	01/20/17	DD	SW8270D (SIM)
Hexachloroethane	ND	0.50	0.50	ug/L	1	01/20/17	DD	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	1	01/20/17	DD	SW8270D (SIM)
Nitrobenzene	ND	0.10	0.10	ug/L	1	01/20/17	DD	SW8270D (SIM)
N-Nitrosodimethylamine	ND	0.10	0.10	ug/L	1	01/20/17	DD	SW8270D (SIM)
Pentachloronitrobenzene	ND	0.10	0.10	ug/L	1	01/20/17	DD	SW8270D (SIM)
Pentachlorophenol	ND	0.80	0.80	ug/L	1	01/20/17	DD	SW8270D (SIM)
Phenanthrene	ND	0.10	0.10	ug/L	1	01/20/17	DD	SW8270D (SIM)
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	102			%	1	01/20/17	DD	15 - 110 %
% 2-Fluorobiphenyl	76			%	1	01/20/17	DD	30 - 130 %
% 2-Fluorophenol	60			%	1	01/20/17	DD	15 - 110 %
% Nitrobenzene-d5	78			%	1	01/20/17	DD	30 - 130 %
% Phenol-d5	64			%	1	01/20/17	DD	15 - 110 %
% Terphenyl-d14	109			%	1	01/20/17	DD	30 - 130 %

Client ID: GW DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
 B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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.

Volatile Comment:

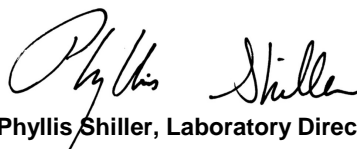
Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

Pesticide Comment:

Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the affected compounds.

S - Laboratory solvent, contamination is possible.

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

January 24, 2017

Reviewed and Released by: Ethan Lee, Project Manager

Tuesday, January 24, 2017

Criteria: NY: GW

State: NY

Sample Criteria Exceedances Report

GBX31973 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Criteria	Analysis Units
BX31973	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04		ug/L
BX31973	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006		ug/L
BX31973	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04		ug/L
BX31973	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L
BX31973	\$DP8270-SIMR	Benzo(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L
BX31973	\$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L
BX31973	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L
BX31973	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L
BX31973	\$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L
BX31973	\$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002		ug/L
BX31973	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002		ug/L
BX31973	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002		ug/L
BX31973	\$DP8270-SIMR	Benzo(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002		ug/L
BX31973	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002		ug/L
BX31973	\$DPPEST_GA	4,4' -DDT	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	0.011	0.005	0.01	0.01		ug/L
BX31973	\$DPPEST_GA	Chlordane	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	0.33	0.050	0.1	0.1		ug/L
BX31973	\$DPPEST_GA	Dieldrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	0.016	0.002	0.01	0.01		ug/L
BX31973	\$DPPEST_GA	Heptachlor epoxide	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	0.019	0.010	0.01	0.01		ug/L
BX31973	\$DPPEST_GA	Chlordane	NY / TOGS - Water Quality / GA Criteria	0.33	0.050	0.05	0.05		ug/L
BX31973	\$DPPEST_GA	Dieldrin	NY / TOGS - Water Quality / GA Criteria	0.016	0.002	0.004	0.004		ug/L
BX31973	\$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.20	0.06	0.06		ug/L
BX31973	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	16.7	0.010	0.1	0.1		mg/L
BX31973	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	20.8	0.01	0.3	0.3		mg/L
BX31973	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	1.33	0.005	0.3	0.3		mg/L
BX31974	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04		ug/L
BX31974	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006		ug/L
BX31974	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04		ug/L
BX31974	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L
BX31974	\$DP8270-SIMR	Benzo(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L
BX31974	\$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L
BX31974	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L
BX31974	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L
BX31974	\$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L
BX31974	\$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002		ug/L
BX31974	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002		ug/L
BX31974	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002		ug/L
BX31974	\$DP8270-SIMR	Benzo(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002		ug/L
BX31974	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002		ug/L
BX31974	\$DPPEST_GA	4,4' -DDT	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	0.025	0.005	0.01	0.01		ug/L
BX31974	\$DPPEST_GA	Chlordane	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	0.33	0.050	0.1	0.1		ug/L
BX31974	\$DPPEST_GA	Dieldrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	0.012	0.002	0.01	0.01		ug/L

Tuesday, January 24, 2017

Criteria: NY: GW

State: NY

Sample Criteria Exceedances Report

GBX31973 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BX31974	\$DPPEST_GA	Heptachlor epoxide	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	0.017	0.010	0.01	0.01	ug/L
BX31974	\$DPPEST_GA	Chlordane	NY / TOGS - Water Quality / GA Criteria	0.33	0.050	0.05	0.05	ug/L
BX31974	\$DPPEST_GA	Dieldrin	NY / TOGS - Water Quality / GA Criteria	0.012	0.002	0.004	0.004	ug/L
BX31974	\$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.20	0.06	0.06	ug/L
BX31974	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	24.1	0.010	0.1	0.1	mg/L
BX31974	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	31.0	0.01	0.3	0.3	mg/L
BX31974	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	1.83	0.005	0.3	0.3	mg/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 exceedances. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedance 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

January 24, 2017

SDG I.D.: GBX31973

The samples in this delivery group were received at 3°C.
(Note acceptance criteria is above freezing up to 6°C)



Tuesday, January 24, 2017

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

Project ID: 183 MCGUINNESS BLVD BROOKLYN NY
Sample ID#s: BX31966 - BX31972

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. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

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

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

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

Sincerely yours,

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

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



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SDG Comments

January 24, 2017

SDG I.D.: GBX31966

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

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



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

Analysis Report
 January 24, 2017

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

Sample Information

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

Custody Information

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

Date

01/17/17
 01/18/17

Time

16:00

Laboratory Data

SDG ID: GBX31966
 Phoenix ID: BX31966

Project ID: 183 MCGUINNESS BLVD BROOKLYN NY
 Client ID: SB1 (0-2 FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.42	0.42	mg/Kg	1	01/20/17	TH	SW6010C
Aluminum	14100	42	8.3	mg/Kg	10	01/20/17	TH	SW6010C
Arsenic	6.08	0.83	0.83	mg/Kg	1	01/20/17	TH	SW6010C
Barium	96.5	0.8	0.42	mg/Kg	1	01/20/17	TH	SW6010C
Beryllium	0.52	0.33	0.17	mg/Kg	1	01/20/17	TH	SW6010C
Calcium	522	4.2	3.8	mg/Kg	1	01/20/17	TH	SW6010C
Cadmium	ND	0.42	0.42	mg/Kg	1	01/20/17	TH	SW6010C
Cobalt	5.72	0.42	0.42	mg/Kg	1	01/20/17	TH	SW6010C
Chromium	17.6	0.42	0.42	mg/Kg	1	01/20/17	TH	SW6010C
Copper	30.2	0.42	0.42	mg/kg	1	01/20/17	TH	SW6010C
Iron	15900	41	41	mg/Kg	10	01/24/17	LK	SW6010C
Mercury	0.29	0.03	0.02	mg/Kg	1	01/19/17	MA	SW7471B
Potassium	765	8	3.2	mg/Kg	1	01/24/17	LK	SW6010C
Magnesium	2640	4.2	4.2	mg/Kg	1	01/20/17	TH	SW6010C
Manganese	376	4.2	4.2	mg/Kg	10	01/20/17	TH	SW6010C
Sodium	42	8	3.6	mg/Kg	1	01/20/17	TH	SW6010C
Nickel	13.1	0.42	0.42	mg/Kg	1	01/20/17	TH	SW6010C
Lead	114	0.8	0.42	mg/Kg	1	01/20/17	TH	SW6010C
Antimony	ND	2.1	2.1	mg/Kg	1	01/20/17	TH	SW6010C
Selenium	ND	1.7	1.4	mg/Kg	1	01/20/17	TH	SW6010C
Thallium	ND	1.7	1.7	mg/Kg	1	01/20/17	TH	SW6010C
Vanadium	25.0	0.42	0.42	mg/Kg	1	01/20/17	TH	SW6010C
Zinc	66.4	0.8	0.42	mg/Kg	1	01/20/17	TH	SW6010C
Percent Solid	81			%		01/18/17	Q	SW846-%Solid
Soil Extraction for PCB	Completed					01/18/17	G/C/V	SW3545A
Soil Extraction for Pest	Completed					01/18/17	G/C/V	SW3545A
Soil Extraction for SVOA	Completed					01/18/17	G/J/CKV	SW3545A
Mercury Digestion	Completed					01/19/17	Q/Q	SW7471B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed					01/23/17	N/AG	SW3050B
Field Extraction	Completed					01/17/17		SW5035A

Polychlorinated Biphenyls

PCB-1016	ND	81	81	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1221	ND	81	81	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1232	ND	81	81	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1242	ND	81	81	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1248	ND	81	81	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1254	ND	81	81	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1260	ND	81	81	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1262	ND	81	81	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1268	ND	81	81	ug/Kg	2	01/19/17	AW	SW8082A

QA/QC Surrogates

% DCBP	67			%	2	01/19/17	AW	40 - 140 %
% TCMX	65			%	2	01/19/17	AW	40 - 140 %

Pesticides - Soil

4,4' -DDD	ND	2.4	2.4	ug/Kg	2	01/20/17	CE	SW8081B
4,4' -DDE	5.0	2.4	2.4	ug/Kg	2	01/20/17	CE	SW8081B
4,4' -DDT	2.7	2.4	2.4	ug/Kg	2	01/20/17	CE	SW8081B
a-BHC	ND	8.1	8.1	ug/Kg	2	01/20/17	CE	SW8081B
a-Chlordane	ND	4.1	4.1	ug/Kg	2	01/20/17	CE	SW8081B
Aldrin	ND	4.1	4.1	ug/Kg	2	01/20/17	CE	SW8081B
b-BHC	ND	8.1	8.1	ug/Kg	2	01/20/17	CE	SW8081B
Chlordane	ND	41	41	ug/Kg	2	01/20/17	CE	SW8081B
d-BHC	ND	8.1	8.1	ug/Kg	2	01/20/17	CE	SW8081B
Dieldrin	ND	4.1	4.1	ug/Kg	2	01/20/17	CE	SW8081B
Endosulfan I	ND	8.1	8.1	ug/Kg	2	01/20/17	CE	SW8081B
Endosulfan II	ND	8.1	8.1	ug/Kg	2	01/20/17	CE	SW8081B
Endosulfan sulfate	ND	8.1	8.1	ug/Kg	2	01/20/17	CE	SW8081B
Endrin	ND	8.1	8.1	ug/Kg	2	01/20/17	CE	SW8081B
Endrin aldehyde	ND	8.1	8.1	ug/Kg	2	01/20/17	CE	SW8081B
Endrin ketone	ND	8.1	8.1	ug/Kg	2	01/20/17	CE	SW8081B
g-BHC	ND	1.6	1.6	ug/Kg	2	01/20/17	CE	SW8081B
g-Chlordane	ND	4.1	4.1	ug/Kg	2	01/20/17	CE	SW8081B
Heptachlor	ND	8.1	8.1	ug/Kg	2	01/20/17	CE	SW8081B
Heptachlor epoxide	ND	8.1	8.1	ug/Kg	2	01/20/17	CE	SW8081B
Methoxychlor	ND	41	41	ug/Kg	2	01/20/17	CE	SW8081B
Toxaphene	ND	160	160	ug/Kg	2	01/20/17	CE	SW8081B

QA/QC Surrogates

% DCBP	71			%	2	01/20/17	CE	40 - 140 %
% TCMX	70			%	2	01/20/17	CE	40 - 140 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/Kg	1	01/20/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.0	1.0	ug/Kg	1	01/20/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.0	1.0	ug/Kg	1	01/20/17	JLI	SW8260C
1,1-Dichloroethane	ND	5.0	1.0	ug/Kg	1	01/20/17	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloroethene	ND	5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
1,1-Dichloropropene	ND	5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.0	1.0	ug/Kg	1	01/20/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/Kg	1	01/20/17	JLI	SW8260C
1,2,4-Trimethylbenzene	35	5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/Kg	1	01/20/17	JLI	SW8260C
1,2-Dibromoethane	ND	5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
1,2-Dichloroethane	ND	5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
1,2-Dichloropropane	ND	5.0	1.0	ug/Kg	1	01/20/17	JLI	SW8260C
1,3,5-Trimethylbenzene	9.1	5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
1,3-Dichlorobenzene	1.2	J 5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
1,3-Dichloropropane	ND	5.0	1.0	ug/Kg	1	01/20/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
2,2-Dichloropropane	ND	5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
2-Chlorotoluene	ND	5.0	1.0	ug/Kg	1	01/20/17	JLI	SW8260C
2-Hexanone	ND	25	5.0	ug/Kg	1	01/20/17	JLI	SW8260C
2-Isopropyltoluene	ND	5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
4-Chlorotoluene	ND	5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	25	5.0	ug/Kg	1	01/20/17	JLI	SW8260C
Acetone	ND	25	5.0	ug/Kg	1	01/20/17	JLI	SW8260C
Acrylonitrile	ND	10	1.0	ug/Kg	1	01/20/17	JLI	SW8260C
Benzene	ND	5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
Bromobenzene	ND	5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
Bromochloromethane	ND	5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
Bromodichloromethane	ND	5.0	1.0	ug/Kg	1	01/20/17	JLI	SW8260C
Bromoform	ND	5.0	1.0	ug/Kg	1	01/20/17	JLI	SW8260C
Bromomethane	ND	5.0	2.0	ug/Kg	1	01/20/17	JLI	SW8260C
Carbon Disulfide	ND	5.0	1.0	ug/Kg	1	01/20/17	JLI	SW8260C
Carbon tetrachloride	ND	5.0	1.0	ug/Kg	1	01/20/17	JLI	SW8260C
Chlorobenzene	ND	5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
Chloroethane	ND	5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
Chloroform	ND	5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
Chloromethane	ND	5.0	1.0	ug/Kg	1	01/20/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
Dibromochloromethane	ND	5.0	1.0	ug/Kg	1	01/20/17	JLI	SW8260C
Dibromomethane	ND	5.0	1.0	ug/Kg	1	01/20/17	JLI	SW8260C
Dichlorodifluoromethane	ND	5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
Ethylbenzene	6.6	5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
Hexachlorobutadiene	ND	5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
Isopropylbenzene	1.2	J 5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
m&p-Xylene	30	5.0	1.0	ug/Kg	1	01/20/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	30	5.0	ug/Kg	1	01/20/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	1.0	ug/Kg	1	01/20/17	JLI	SW8260C
Methylene chloride	ND	5.0	5.0	ug/Kg	1	01/20/17	JLI	SW8260C
Naphthalene	5.5	5.0	1.0	ug/Kg	1	01/20/17	JLI	SW8260C
n-Butylbenzene	0.75	J 5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
n-Propylbenzene	3.2	J 5.0	1.0	ug/Kg	1	01/20/17	JLI	SW8260C
o-Xylene	19	5.0	1.0	ug/Kg	1	01/20/17	JLI	SW8260C
p-Isopropyltoluene	ND	5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
sec-Butylbenzene	0.61	J 5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
Styrene	ND	5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
tert-Butylbenzene	ND	5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
Tetrachloroethene	ND	5.0	1.0	ug/Kg	1	01/20/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	10	2.5	ug/Kg	1	01/20/17	JLI	SW8260C
Toluene	8.6	5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	10	2.5	ug/Kg	1	01/20/17	JLI	SW8260C
Trichloroethene	ND	5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
Trichlorofluoromethane	ND	5.0	1.0	ug/Kg	1	01/20/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
Vinyl chloride	ND	5.0	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	97			%	1	01/20/17	JLI	70 - 130 %
% Bromofluorobenzene	89			%	1	01/20/17	JLI	70 - 130 %
% Dibromofluoromethane	100			%	1	01/20/17	JLI	70 - 130 %
% Toluene-d8	90			%	1	01/20/17	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	75	40	ug/kg	1	01/20/17	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	97			%	1	01/20/17	JLI	70 - 130 %
% Bromofluorobenzene	89			%	1	01/20/17	JLI	70 - 130 %
% Toluene-d8	90			%	1	01/20/17	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	20	1.0	ug/Kg	1	01/20/17	JLI	SW8260C
Acrolein	ND	20	2.5	ug/Kg	1	01/20/17	JLI	SW8260C
Acrylonitrile	ND	20	0.50	ug/Kg	1	01/20/17	JLI	SW8260C
Tert-butyl alcohol	ND	100	20	ug/Kg	1	01/20/17	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	280	140	ug/Kg	1	01/18/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	280	120	ug/Kg	1	01/18/17	DD	SW8270D
1,2-Dichlorobenzene	ND	280	110	ug/Kg	1	01/18/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	280	130	ug/Kg	1	01/18/17	DD	SW8270D
1,3-Dichlorobenzene	ND	280	120	ug/Kg	1	01/18/17	DD	SW8270D
1,4-Dichlorobenzene	ND	280	120	ug/Kg	1	01/18/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	280	220	ug/Kg	1	01/18/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	200	130	ug/Kg	1	01/18/17	DD	SW8270D
2,4-Dichlorophenol	ND	200	140	ug/Kg	1	01/18/17	DD	SW8270D
2,4-Dimethylphenol	ND	280	99	ug/Kg	1	01/18/17	DD	SW8270D
2,4-Dinitrophenol	ND	280	280	ug/Kg	1	01/18/17	DD	SW8270D
2,4-Dinitrotoluene	ND	200	160	ug/Kg	1	01/18/17	DD	SW8270D
2,6-Dinitrotoluene	ND	200	130	ug/Kg	1	01/18/17	DD	SW8270D
2-Chloronaphthalene	ND	280	110	ug/Kg	1	01/18/17	DD	SW8270D

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2-Chlorophenol	ND	280	110	ug/Kg	1	01/18/17	DD	SW8270D
2-Methylnaphthalene	ND	280	120	ug/Kg	1	01/18/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	280	190	ug/Kg	1	01/18/17	DD	SW8270D
2-Nitroaniline	ND	280	280	ug/Kg	1	01/18/17	DD	SW8270D
2-Nitrophenol	ND	280	250	ug/Kg	1	01/18/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	280	160	ug/Kg	1	01/18/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	200	190	ug/Kg	1	01/18/17	DD	SW8270D
3-Nitroaniline	ND	400	800	ug/Kg	1	01/18/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	240	80	ug/Kg	1	01/18/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	280	120	ug/Kg	1	01/18/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	280	140	ug/Kg	1	01/18/17	DD	SW8270D
4-Chloroaniline	ND	320	190	ug/Kg	1	01/18/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	280	130	ug/Kg	1	01/18/17	DD	SW8270D
4-Nitroaniline	ND	400	130	ug/Kg	1	01/18/17	DD	SW8270D
4-Nitrophenol	ND	400	180	ug/Kg	1	01/18/17	DD	SW8270D
Acenaphthene	ND	280	120	ug/Kg	1	01/18/17	DD	SW8270D
Acenaphthylene	ND	280	110	ug/Kg	1	01/18/17	DD	SW8270D
Acetophenone	ND	280	120	ug/Kg	1	01/18/17	DD	SW8270D
Aniline	ND	320	320	ug/Kg	1	01/18/17	DD	SW8270D
Anthracene	ND	280	130	ug/Kg	1	01/18/17	DD	SW8270D
Benz(a)anthracene	ND	280	130	ug/Kg	1	01/18/17	DD	SW8270D
Benzidine	ND	400	240	ug/Kg	1	01/18/17	DD	SW8270D
Benzo(a)pyrene	ND	200	130	ug/Kg	1	01/18/17	DD	SW8270D
Benzo(b)fluoranthene	ND	280	140	ug/Kg	1	01/18/17	DD	SW8270D
Benzo(ghi)perylene	ND	280	130	ug/Kg	1	01/18/17	DD	SW8270D
Benzo(k)fluoranthene	ND	280	130	ug/Kg	1	01/18/17	DD	SW8270D
Benzoic acid	ND	2000	800	ug/Kg	1	01/18/17	DD	SW8270D
Benzyl butyl phthalate	ND	280	100	ug/Kg	1	01/18/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	280	110	ug/Kg	1	01/18/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	200	110	ug/Kg	1	01/18/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	280	110	ug/Kg	1	01/18/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	280	120	ug/Kg	1	01/18/17	DD	SW8270D
Carbazole	ND	200	160	ug/Kg	1	01/18/17	DD	SW8270D
Chrysene	ND	280	130	ug/Kg	1	01/18/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	200	130	ug/Kg	1	01/18/17	DD	SW8270D
Dibenzofuran	ND	280	120	ug/Kg	1	01/18/17	DD	SW8270D
Diethyl phthalate	ND	280	130	ug/Kg	1	01/18/17	DD	SW8270D
Dimethylphthalate	ND	280	120	ug/Kg	1	01/18/17	DD	SW8270D
Di-n-butylphthalate	ND	280	110	ug/Kg	1	01/18/17	DD	SW8270D
Di-n-octylphthalate	ND	280	100	ug/Kg	1	01/18/17	DD	SW8270D
Fluoranthene	200	J 280	130	ug/Kg	1	01/18/17	DD	SW8270D
Fluorene	ND	280	130	ug/Kg	1	01/18/17	DD	SW8270D
Hexachlorobenzene	ND	200	120	ug/Kg	1	01/18/17	DD	SW8270D
Hexachlorobutadiene	ND	280	140	ug/Kg	1	01/18/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	280	120	ug/Kg	1	01/18/17	DD	SW8270D
Hexachloroethane	ND	200	120	ug/Kg	1	01/18/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	280	130	ug/Kg	1	01/18/17	DD	SW8270D
Isophorone	ND	200	110	ug/Kg	1	01/18/17	DD	SW8270D
Naphthalene	ND	280	120	ug/Kg	1	01/18/17	DD	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Nitrobenzene	ND	200	140	ug/Kg	1	01/18/17	DD	SW8270D	
N-Nitrosodimethylamine	ND	280	110	ug/Kg	1	01/18/17	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	200	130	ug/Kg	1	01/18/17	DD	SW8270D	
N-Nitrosodiphenylamine	ND	280	150	ug/Kg	1	01/18/17	DD	SW8270D	
Pentachloronitrobenzene	ND	280	150	ug/Kg	1	01/18/17	DD	SW8270D	
Pentachlorophenol	ND	240	150	ug/Kg	1	01/18/17	DD	SW8270D	
Phenanthrene	120	J 280	110	ug/Kg	1	01/18/17	DD	SW8270D	
Phenol	ND	280	130	ug/Kg	1	01/18/17	DD	SW8270D	
Pyrene	190	J 280	140	ug/Kg	1	01/18/17	DD	SW8270D	
Pyridine	ND	280	98	ug/Kg	1	01/18/17	DD	SW8270D	
<u>QA/QC Surrogates</u>									
% 2,4,6-Tribromophenol	36			%	1	01/18/17	DD	30 - 130 %	
% 2-Fluorobiphenyl	39			%	1	01/18/17	DD	30 - 130 %	
% 2-Fluorophenol	26			%	1	01/18/17	DD	30 - 130 %	
% Nitrobenzene-d5	33			%	1	01/18/17	DD	30 - 130 %	
% Phenol-d5	31			%	1	01/18/17	DD	30 - 130 %	
% Terphenyl-d14	48			%	1	01/18/17	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 Quantitation) ND=Not Detected BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
 QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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:

Poor surrogate recovery was observed for one acid and/or one base surrogate. The other surrogates associated with this sample were within QA/QC criteria. No significant bias suspected.

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
January 24, 2017

Reviewed and Released by: Ethan Lee, Project Manager



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

Analysis Report

January 24, 2017

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

Sample Information

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

Custody Information

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

Date

01/17/17
 01/18/17

Time

16:00

Laboratory Data

SDG ID: GBX31966
 Phoenix ID: BX31967

Project ID: 183 MCGUINNESS BLVD BROOKLYN NY
 Client ID: SB2 (0-2 FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.32	0.32	mg/Kg	1	01/20/17	TH	SW6010C
Aluminum	6340	32	6.5	mg/Kg	10	01/20/17	TH	SW6010C
Arsenic	3.06	0.65	0.65	mg/Kg	1	01/20/17	TH	SW6010C
Barium	24.8	0.6	0.32	mg/Kg	1	01/20/17	TH	SW6010C
Beryllium	0.32	0.26	0.13	mg/Kg	1	01/20/17	TH	SW6010C
Calcium	1750	3.2	3.0	mg/Kg	1	01/20/17	TH	SW6010C
Cadmium	ND	0.32	0.32	mg/Kg	1	01/20/17	TH	SW6010C
Cobalt	5.42	0.32	0.32	mg/Kg	1	01/20/17	TH	SW6010C
Chromium	11.2	0.32	0.32	mg/Kg	1	01/20/17	TH	SW6010C
Copper	8.85	0.32	0.32	mg/kg	1	01/20/17	TH	SW6010C
Iron	11700	35	35	mg/Kg	10	01/24/17	LK	SW6010C
Mercury	0.02	J 0.03	0.02	mg/Kg	1	01/19/17	MA	SW7471B
Potassium	868	7	2.7	mg/Kg	1	01/24/17	LK	SW6010C
Magnesium	2020	3.2	3.2	mg/Kg	1	01/20/17	TH	SW6010C
Manganese	298	3.2	3.2	mg/Kg	10	01/20/17	TH	SW6010C
Sodium	82	6	2.8	mg/Kg	1	01/20/17	TH	SW6010C
Nickel	11.5	0.32	0.32	mg/Kg	1	01/20/17	TH	SW6010C
Lead	6.9	0.6	0.32	mg/Kg	1	01/20/17	TH	SW6010C
Antimony	ND	1.6	1.6	mg/Kg	1	01/20/17	TH	SW6010C
Selenium	ND	1.3	1.1	mg/Kg	1	01/20/17	TH	SW6010C
Thallium	ND	1.3	1.3	mg/Kg	1	01/20/17	TH	SW6010C
Vanadium	15.8	0.32	0.32	mg/Kg	1	01/20/17	TH	SW6010C
Zinc	29.2	0.6	0.32	mg/Kg	1	01/20/17	TH	SW6010C
Percent Solid	95			%		01/18/17	Q	SW846-%Solid
Soil Extraction for PCB	Completed					01/18/17	G/C/V	SW3545A
Soil Extraction for Pest	Completed					01/18/17	G/C/V	SW3545A
Soil Extraction for SVOA	Completed					01/18/17	G/J/CKV	SW3545A
Mercury Digestion	Completed					01/19/17	Q/Q	SW7471B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed					01/23/17	N/AG	SW3050B
Field Extraction	Completed					01/17/17		SW5035A

Polychlorinated Biphenyls

PCB-1016	ND	69	69	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1221	ND	69	69	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1232	ND	69	69	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1242	ND	69	69	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1248	ND	69	69	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1254	ND	69	69	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1260	ND	69	69	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1262	ND	69	69	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1268	ND	69	69	ug/Kg	2	01/19/17	AW	SW8082A

QA/QC Surrogates

% DCBP	70			%	2	01/19/17	AW	40 - 140 %
% TCMX	67			%	2	01/19/17	AW	40 - 140 %

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	2	01/23/17	CE	SW8081B
4,4' -DDE	23	10	10	ug/Kg	10	01/20/17	CE	SW8081B
4,4' -DDT	60	2.1	2.1	ug/Kg	2	01/23/17	CE	SW8081B
a-BHC	ND	6.9	6.9	ug/Kg	2	01/23/17	CE	SW8081B
a-Chlordane	46	17	17	ug/Kg	10	01/20/17	CE	SW8081B
Aldrin	ND	3.5	3.5	ug/Kg	2	01/23/17	CE	SW8081B
b-BHC	ND	6.9	6.9	ug/Kg	2	01/23/17	CE	SW8081B
Chlordane	490	170	170	ug/Kg	10	01/20/17	CE	SW8081B
d-BHC	ND	6.9	6.9	ug/Kg	2	01/23/17	CE	SW8081B
Dieldrin	17	3.5	3.5	ug/Kg	2	01/23/17	CE	SW8081B
Endosulfan I	ND	6.9	6.9	ug/Kg	2	01/23/17	CE	SW8081B
Endosulfan II	ND	6.9	6.9	ug/Kg	2	01/23/17	CE	SW8081B
Endosulfan sulfate	ND	6.9	6.9	ug/Kg	2	01/23/17	CE	SW8081B
Endrin	ND	6.9	6.9	ug/Kg	2	01/23/17	CE	SW8081B
Endrin aldehyde	ND	6.9	6.9	ug/Kg	2	01/23/17	CE	SW8081B
Endrin ketone	ND	6.9	6.9	ug/Kg	2	01/23/17	CE	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	01/23/17	CE	SW8081B
g-Chlordane	82	17	17	ug/Kg	10	01/20/17	CE	SW8081B
Heptachlor	ND	6.9	6.9	ug/Kg	2	01/23/17	CE	SW8081B
Heptachlor epoxide	ND	6.9	6.9	ug/Kg	2	01/23/17	CE	SW8081B
Methoxychlor	ND	35	35	ug/Kg	2	01/23/17	CE	SW8081B
Toxaphene	ND	690	690	ug/Kg	10	01/20/17	CE	SW8081B

QA/QC Surrogates

% DCBP	67			%	2	01/23/17	CE	40 - 140 %
% TCMX	96			%	2	01/23/17	CE	40 - 140 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	3.4	0.67	ug/Kg	1	01/21/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	3.4	0.67	ug/Kg	1	01/21/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	3.4	0.67	ug/Kg	1	01/21/17	JLI	SW8260C
1,1-Dichloroethane	ND	3.4	0.67	ug/Kg	1	01/21/17	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloroethene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
1,1-Dichloropropene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	3.4	0.67	ug/Kg	1	01/21/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	3.4	0.67	ug/Kg	1	01/21/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	3.4	0.67	ug/Kg	1	01/21/17	JLI	SW8260C
1,2-Dibromoethane	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
1,2-Dichloroethane	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
1,2-Dichloropropane	ND	3.4	0.67	ug/Kg	1	01/21/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
1,3-Dichloropropane	ND	3.4	0.67	ug/Kg	1	01/21/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
2,2-Dichloropropane	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
2-Chlorotoluene	ND	3.4	0.67	ug/Kg	1	01/21/17	JLI	SW8260C
2-Hexanone	ND	17	3.4	ug/Kg	1	01/21/17	JLI	SW8260C
2-Isopropyltoluene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
4-Chlorotoluene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	17	3.4	ug/Kg	1	01/21/17	JLI	SW8260C
Acetone	4.9	JS 17	3.4	ug/Kg	1	01/21/17	JLI	SW8260C
Acrylonitrile	ND	6.7	0.67	ug/Kg	1	01/21/17	JLI	SW8260C
Benzene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
Bromobenzene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
Bromochloromethane	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
Bromodichloromethane	ND	3.4	0.67	ug/Kg	1	01/21/17	JLI	SW8260C
Bromoform	ND	3.4	0.67	ug/Kg	1	01/21/17	JLI	SW8260C
Bromomethane	ND	3.4	1.3	ug/Kg	1	01/21/17	JLI	SW8260C
Carbon Disulfide	ND	3.4	0.67	ug/Kg	1	01/21/17	JLI	SW8260C
Carbon tetrachloride	ND	3.4	0.67	ug/Kg	1	01/21/17	JLI	SW8260C
Chlorobenzene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
Chloroethane	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
Chloroform	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
Chloromethane	ND	3.4	0.67	ug/Kg	1	01/21/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
Dibromochloromethane	ND	3.4	0.67	ug/Kg	1	01/21/17	JLI	SW8260C
Dibromomethane	ND	3.4	0.67	ug/Kg	1	01/21/17	JLI	SW8260C
Dichlorodifluoromethane	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
Ethylbenzene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
Hexachlorobutadiene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
Isopropylbenzene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
m&p-Xylene	1.3	J 3.4	0.67	ug/Kg	1	01/21/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	20	3.4	ug/Kg	1	01/21/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	6.7	0.67	ug/Kg	1	01/21/17	JLI	SW8260C
Methylene chloride	ND	3.4	3.4	ug/Kg	1	01/21/17	JLI	SW8260C
Naphthalene	ND	3.4	0.67	ug/Kg	1	01/21/17	JLI	SW8260C
n-Butylbenzene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
n-Propylbenzene	ND	3.4	0.67	ug/Kg	1	01/21/17	JLI	SW8260C
o-Xylene	ND	3.4	0.67	ug/Kg	1	01/21/17	JLI	SW8260C
p-Isopropyltoluene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
sec-Butylbenzene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
Styrene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
tert-Butylbenzene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
Tetrachloroethene	ND	3.4	0.67	ug/Kg	1	01/21/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	6.7	1.7	ug/Kg	1	01/21/17	JLI	SW8260C
Toluene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	6.7	1.7	ug/Kg	1	01/21/17	JLI	SW8260C
Trichloroethene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
Trichlorofluoromethane	ND	3.4	0.67	ug/Kg	1	01/21/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
Vinyl chloride	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	97			%	1	01/21/17	JLI	70 - 130 %
% Bromofluorobenzene	101			%	1	01/21/17	JLI	70 - 130 %
% Dibromofluoromethane	99			%	1	01/21/17	JLI	70 - 130 %
% Toluene-d8	89			%	1	01/21/17	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	51	27	ug/kg	1	01/21/17	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	97			%	1	01/21/17	JLI	70 - 130 %
% Bromofluorobenzene	101			%	1	01/21/17	JLI	70 - 130 %
% Toluene-d8	89			%	1	01/21/17	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	13	0.67	ug/Kg	1	01/21/17	JLI	SW8260C
Acrolein	ND	13	1.7	ug/Kg	1	01/21/17	JLI	SW8260C
Acrylonitrile	ND	13	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
Tert-butyl alcohol	ND	67	13	ug/Kg	1	01/21/17	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	1	01/18/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	240	100	ug/Kg	1	01/18/17	DD	SW8270D
1,2-Dichlorobenzene	ND	240	97	ug/Kg	1	01/18/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	240	110	ug/Kg	1	01/18/17	DD	SW8270D
1,3-Dichlorobenzene	ND	240	100	ug/Kg	1	01/18/17	DD	SW8270D
1,4-Dichlorobenzene	ND	240	100	ug/Kg	1	01/18/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	1	01/18/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	170	110	ug/Kg	1	01/18/17	DD	SW8270D
2,4-Dichlorophenol	ND	170	120	ug/Kg	1	01/18/17	DD	SW8270D
2,4-Dimethylphenol	ND	240	85	ug/Kg	1	01/18/17	DD	SW8270D
2,4-Dinitrophenol	ND	240	240	ug/Kg	1	01/18/17	DD	SW8270D
2,4-Dinitrotoluene	ND	170	140	ug/Kg	1	01/18/17	DD	SW8270D
2,6-Dinitrotoluene	ND	170	110	ug/Kg	1	01/18/17	DD	SW8270D
2-Chloronaphthalene	ND	240	97	ug/Kg	1	01/18/17	DD	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2-Chlorophenol	ND	240	97	ug/Kg	1	01/18/17	DD	SW8270D
2-Methylnaphthalene	ND	240	100	ug/Kg	1	01/18/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	1	01/18/17	DD	SW8270D
2-Nitroaniline	ND	240	240	ug/Kg	1	01/18/17	DD	SW8270D
2-Nitrophenol	ND	240	220	ug/Kg	1	01/18/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	1	01/18/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	170	160	ug/Kg	1	01/18/17	DD	SW8270D
3-Nitroaniline	ND	340	690	ug/Kg	1	01/18/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	210	69	ug/Kg	1	01/18/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	1	01/18/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	1	01/18/17	DD	SW8270D
4-Chloroaniline	ND	270	160	ug/Kg	1	01/18/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	1	01/18/17	DD	SW8270D
4-Nitroaniline	ND	340	110	ug/Kg	1	01/18/17	DD	SW8270D
4-Nitrophenol	ND	340	150	ug/Kg	1	01/18/17	DD	SW8270D
Acenaphthene	ND	240	100	ug/Kg	1	01/18/17	DD	SW8270D
Acenaphthylene	ND	240	96	ug/Kg	1	01/18/17	DD	SW8270D
Acetophenone	ND	240	110	ug/Kg	1	01/18/17	DD	SW8270D
Aniline	ND	270	270	ug/Kg	1	01/18/17	DD	SW8270D
Anthracene	ND	240	110	ug/Kg	1	01/18/17	DD	SW8270D
Benz(a)anthracene	ND	240	120	ug/Kg	1	01/18/17	DD	SW8270D
Benzidine	ND	340	200	ug/Kg	1	01/18/17	DD	SW8270D
Benzo(a)pyrene	ND	170	110	ug/Kg	1	01/18/17	DD	SW8270D
Benzo(b)fluoranthene	ND	240	120	ug/Kg	1	01/18/17	DD	SW8270D
Benzo(ghi)perylene	ND	240	110	ug/Kg	1	01/18/17	DD	SW8270D
Benzo(k)fluoranthene	ND	240	110	ug/Kg	1	01/18/17	DD	SW8270D
Benzoic acid	ND	1700	690	ug/Kg	1	01/18/17	DD	SW8270D
Benzyl butyl phthalate	ND	240	88	ug/Kg	1	01/18/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	240	95	ug/Kg	1	01/18/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	170	93	ug/Kg	1	01/18/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	240	95	ug/Kg	1	01/18/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	240	99	ug/Kg	1	01/18/17	DD	SW8270D
Carbazole	ND	170	140	ug/Kg	1	01/18/17	DD	SW8270D
Chrysene	ND	240	120	ug/Kg	1	01/18/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	170	110	ug/Kg	1	01/18/17	DD	SW8270D
Dibenzofuran	ND	240	100	ug/Kg	1	01/18/17	DD	SW8270D
Diethyl phthalate	ND	240	110	ug/Kg	1	01/18/17	DD	SW8270D
Dimethylphthalate	ND	240	110	ug/Kg	1	01/18/17	DD	SW8270D
Di-n-butylphthalate	ND	240	91	ug/Kg	1	01/18/17	DD	SW8270D
Di-n-octylphthalate	ND	240	88	ug/Kg	1	01/18/17	DD	SW8270D
Fluoranthene	ND	240	110	ug/Kg	1	01/18/17	DD	SW8270D
Fluorene	ND	240	110	ug/Kg	1	01/18/17	DD	SW8270D
Hexachlorobenzene	ND	170	100	ug/Kg	1	01/18/17	DD	SW8270D
Hexachlorobutadiene	ND	240	120	ug/Kg	1	01/18/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	240	100	ug/Kg	1	01/18/17	DD	SW8270D
Hexachloroethane	ND	170	100	ug/Kg	1	01/18/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	110	ug/Kg	1	01/18/17	DD	SW8270D
Isophorone	ND	170	96	ug/Kg	1	01/18/17	DD	SW8270D
Naphthalene	ND	240	99	ug/Kg	1	01/18/17	DD	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Nitrobenzene	ND	170	120	ug/Kg	1	01/18/17	DD	SW8270D
N-Nitrosodimethylamine	ND	240	97	ug/Kg	1	01/18/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	170	110	ug/Kg	1	01/18/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	240	130	ug/Kg	1	01/18/17	DD	SW8270D
Pentachloronitrobenzene	ND	240	130	ug/Kg	1	01/18/17	DD	SW8270D
Pentachlorophenol	ND	210	130	ug/Kg	1	01/18/17	DD	SW8270D
Phenanthrene	ND	240	98	ug/Kg	1	01/18/17	DD	SW8270D
Phenol	ND	240	110	ug/Kg	1	01/18/17	DD	SW8270D
Pyrene	ND	240	120	ug/Kg	1	01/18/17	DD	SW8270D
Pyridine	ND	240	84	ug/Kg	1	01/18/17	DD	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	53			%	1	01/18/17	DD	30 - 130 %
% 2-Fluorobiphenyl	68			%	1	01/18/17	DD	30 - 130 %
% 2-Fluorophenol	51			%	1	01/18/17	DD	30 - 130 %
% Nitrobenzene-d5	63			%	1	01/18/17	DD	30 - 130 %
% Phenol-d5	57			%	1	01/18/17	DD	30 - 130 %
% Terphenyl-d14	68			%	1	01/18/17	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 Quantitation) ND=Not Detected BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

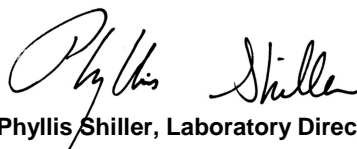
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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.

S - Laboratory solvent, contamination is possible.

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

January 24, 2017

Reviewed and Released by: Ethan Lee, Project Manager



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



Analysis Report

January 24, 2017

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

Sample Information

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

Custody Information

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

Date

01/17/17

Time

16:00

Laboratory Data

SDG ID: GBX31966
 Phoenix ID: BX31968

Project ID: 183 MCGUINNESS BLVD BROOKLYN NY
 Client ID: SB3 (0-2 FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.37	0.37	mg/Kg	1	01/20/17	TH	SW6010C
Aluminum	6220	37	7.5	mg/Kg	10	01/20/17	TH	SW6010C
Arsenic	6.25	0.75	0.75	mg/Kg	1	01/20/17	TH	SW6010C
Barium	34.1	0.7	0.37	mg/Kg	1	01/20/17	TH	SW6010C
Beryllium	0.35	0.30	0.15	mg/Kg	1	01/20/17	TH	SW6010C
Calcium	2270	3.7	3.4	mg/Kg	1	01/20/17	TH	SW6010C
Cadmium	ND	0.37	0.37	mg/Kg	1	01/20/17	TH	SW6010C
Cobalt	5.91	0.37	0.37	mg/Kg	1	01/20/17	TH	SW6010C
Chromium	12.0	0.37	0.37	mg/Kg	1	01/20/17	TH	SW6010C
Copper	12.9	0.37	0.37	mg/kg	1	01/20/17	TH	SW6010C
Iron	11500	35	35	mg/Kg	10	01/24/17	LK	SW6010C
Mercury	0.08	0.03	0.02	mg/Kg	1	01/19/17	MA	SW7471B
Potassium	778	7	2.7	mg/Kg	1	01/24/17	LK	SW6010C
Magnesium	1880	3.7	3.7	mg/Kg	1	01/20/17	TH	SW6010C
Manganese	310	3.7	3.7	mg/Kg	10	01/20/17	TH	SW6010C
Sodium	81	7	3.2	mg/Kg	1	01/20/17	TH	SW6010C
Nickel	11.0	0.37	0.37	mg/Kg	1	01/20/17	TH	SW6010C
Lead	31.4	0.7	0.37	mg/Kg	1	01/20/17	TH	SW6010C
Antimony	ND	1.9	1.9	mg/Kg	1	01/20/17	TH	SW6010C
Selenium	ND	1.5	1.3	mg/Kg	1	01/20/17	TH	SW6010C
Thallium	ND	1.5	1.5	mg/Kg	1	01/20/17	TH	SW6010C
Vanadium	17.0	0.37	0.37	mg/Kg	1	01/20/17	TH	SW6010C
Zinc	36.9	0.7	0.37	mg/Kg	1	01/20/17	TH	SW6010C
Percent Solid	93			%		01/18/17	Q	SW846-%Solid
Soil Extraction for PCB	Completed					01/18/17	G/C/V	SW3545A
Soil Extraction for Pest	Completed					01/18/17	G/C/V	SW3545A
Soil Extraction for SVOA	Completed					01/18/17	G/J/CKV	SW3545A
Mercury Digestion	Completed					01/19/17	Q/Q	SW7471B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed					01/23/17	N/AG	SW3050B
Field Extraction	Completed					01/17/17		SW5035A

Polychlorinated Biphenyls

PCB-1016	ND	71	71	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1221	ND	71	71	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1232	ND	71	71	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1242	ND	71	71	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1248	ND	71	71	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1254	ND	71	71	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1260	ND	71	71	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1262	ND	71	71	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1268	ND	71	71	ug/Kg	2	01/19/17	AW	SW8082A

QA/QC Surrogates

% DCBP	79			%	2	01/19/17	AW	40 - 140 %
% TCMX	69			%	2	01/19/17	AW	40 - 140 %

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	2	01/20/17	CE	SW8081B
4,4' -DDE	ND	2.1	2.1	ug/Kg	2	01/20/17	CE	SW8081B
4,4' -DDT	ND	2.1	2.1	ug/Kg	2	01/20/17	CE	SW8081B
a-BHC	ND	7.1	7.1	ug/Kg	2	01/20/17	CE	SW8081B
a-Chlordane	5.1	3.6	3.6	ug/Kg	2	01/20/17	CE	SW8081B
Aldrin	ND	3.6	3.6	ug/Kg	2	01/20/17	CE	SW8081B
b-BHC	ND	7.1	7.1	ug/Kg	2	01/20/17	CE	SW8081B
Chlordane	47	36	36	ug/Kg	2	01/20/17	CE	SW8081B
d-BHC	ND	7.1	7.1	ug/Kg	2	01/20/17	CE	SW8081B
Dieldrin	3.4	2.1	2.1	ug/Kg	2	01/20/17	CE	SW8081B
Endosulfan I	ND	7.1	7.1	ug/Kg	2	01/20/17	CE	SW8081B
Endosulfan II	ND	7.1	7.1	ug/Kg	2	01/20/17	CE	SW8081B
Endosulfan sulfate	ND	7.1	7.1	ug/Kg	2	01/20/17	CE	SW8081B
Endrin	ND	7.1	7.1	ug/Kg	2	01/20/17	CE	SW8081B
Endrin aldehyde	ND	7.1	7.1	ug/Kg	2	01/20/17	CE	SW8081B
Endrin ketone	ND	7.1	7.1	ug/Kg	2	01/20/17	CE	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	01/20/17	CE	SW8081B
g-Chlordane	8.4	3.6	3.6	ug/Kg	2	01/20/17	CE	SW8081B
Heptachlor	ND	7.1	7.1	ug/Kg	2	01/20/17	CE	SW8081B
Heptachlor epoxide	ND	7.1	7.1	ug/Kg	2	01/20/17	CE	SW8081B
Methoxychlor	ND	36	36	ug/Kg	2	01/20/17	CE	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	01/20/17	CE	SW8081B

QA/QC Surrogates

% DCBP	73			%	2	01/20/17	CE	40 - 140 %
% TCMX	69			%	2	01/20/17	CE	40 - 140 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	3.7	0.73	ug/Kg	1	01/21/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	3.7	0.73	ug/Kg	1	01/21/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	3.7	0.73	ug/Kg	1	01/21/17	JLI	SW8260C
1,1-Dichloroethane	ND	3.7	0.73	ug/Kg	1	01/21/17	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloroethene	ND	3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C
1,1-Dichloropropene	ND	3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	3.7	0.73	ug/Kg	1	01/21/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	3.7	0.73	ug/Kg	1	01/21/17	JLI	SW8260C
1,2,4-Trimethylbenzene	14	3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	3.7	0.73	ug/Kg	1	01/21/17	JLI	SW8260C
1,2-Dibromoethane	ND	3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C
1,2-Dichloroethane	ND	3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C
1,2-Dichloropropane	ND	3.7	0.73	ug/Kg	1	01/21/17	JLI	SW8260C
1,3,5-Trimethylbenzene	3.4	J 3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C
1,3-Dichloropropane	ND	3.7	0.73	ug/Kg	1	01/21/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C
2,2-Dichloropropane	ND	3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C
2-Chlorotoluene	ND	3.7	0.73	ug/Kg	1	01/21/17	JLI	SW8260C
2-Hexanone	ND	18	3.7	ug/Kg	1	01/21/17	JLI	SW8260C
2-Isopropyltoluene	ND	3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C
4-Chlorotoluene	ND	3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	18	3.7	ug/Kg	1	01/21/17	JLI	SW8260C
Acetone	7.5	JS 18	3.7	ug/Kg	1	01/21/17	JLI	SW8260C
Acrylonitrile	ND	7.3	0.73	ug/Kg	1	01/21/17	JLI	SW8260C
Benzene	ND	3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C
Bromobenzene	ND	3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C
Bromochloromethane	ND	3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C
Bromodichloromethane	ND	3.7	0.73	ug/Kg	1	01/21/17	JLI	SW8260C
Bromoform	ND	3.7	0.73	ug/Kg	1	01/21/17	JLI	SW8260C
Bromomethane	ND	3.7	1.5	ug/Kg	1	01/21/17	JLI	SW8260C
Carbon Disulfide	ND	3.7	0.73	ug/Kg	1	01/21/17	JLI	SW8260C
Carbon tetrachloride	ND	3.7	0.73	ug/Kg	1	01/21/17	JLI	SW8260C
Chlorobenzene	ND	3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C
Chloroethane	ND	3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C
Chloroform	ND	3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C
Chloromethane	ND	3.7	0.73	ug/Kg	1	01/21/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C
Dibromochloromethane	ND	3.7	0.73	ug/Kg	1	01/21/17	JLI	SW8260C
Dibromomethane	ND	3.7	0.73	ug/Kg	1	01/21/17	JLI	SW8260C
Dichlorodifluoromethane	ND	3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C
Ethylbenzene	3.8	3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C
Hexachlorobutadiene	ND	3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C
Isopropylbenzene	0.46	J 3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C
m&p-Xylene	17	3.7	0.73	ug/Kg	1	01/21/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	22	3.7	ug/Kg	1	01/21/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	7.3	0.73	ug/Kg	1	01/21/17	JLI	SW8260C
Methylene chloride	ND	3.7	3.7	ug/Kg	1	01/21/17	JLI	SW8260C
Naphthalene	1.5	J 3.7	0.73	ug/Kg	1	01/21/17	JLI	SW8260C
n-Butylbenzene	0.46	J 3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
n-Propylbenzene	1.6	J 3.7	0.73	ug/Kg	1	01/21/17	JLI	SW8260C	
o-Xylene	7.9	3.7	0.73	ug/Kg	1	01/21/17	JLI	SW8260C	
p-Isopropyltoluene	ND	3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C	
sec-Butylbenzene	ND	3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C	
Styrene	ND	3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C	
tert-Butylbenzene	ND	3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C	
Tetrachloroethene	ND	3.7	0.73	ug/Kg	1	01/21/17	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	7.3	1.8	ug/Kg	1	01/21/17	JLI	SW8260C	
Toluene	6.3	3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	7.3	1.8	ug/Kg	1	01/21/17	JLI	SW8260C	
Trichloroethene	ND	3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C	
Trichlorofluoromethane	ND	3.7	0.73	ug/Kg	1	01/21/17	JLI	SW8260C	
Trichlorotrifluoroethane	ND	3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C	
Vinyl chloride	ND	3.7	0.37	ug/Kg	1	01/21/17	JLI	SW8260C	
<u>QA/QC Surrogates</u>									
% 1,2-dichlorobenzene-d4	96			%	1	01/21/17	JLI	70 - 130 %	
% Bromofluorobenzene	97			%	1	01/21/17	JLI	70 - 130 %	
% Dibromofluoromethane	105			%	1	01/21/17	JLI	70 - 130 %	
% Toluene-d8	90			%	1	01/21/17	JLI	70 - 130 %	
<u>1,4-dioxane</u>									
1,4-dioxane	ND	55	29	ug/kg	1	01/21/17	JLI	SW8260C	
<u>QA/QC Surrogates</u>									
% 1,2-dichlorobenzene-d4	96			%	1	01/21/17	JLI	70 - 130 %	
% Bromofluorobenzene	97			%	1	01/21/17	JLI	70 - 130 %	
% Toluene-d8	90			%	1	01/21/17	JLI	70 - 130 %	
<u>Volatiles</u>									
1,1,1,2-Tetrachloroethane	ND	15	0.73	ug/Kg	1	01/21/17	JLI	SW8260C	
Acrolein	ND	15	1.8	ug/Kg	1	01/21/17	JLI	SW8260C	
Acrylonitrile	ND	15	0.37	ug/Kg	1	01/21/17	JLI	SW8260C	
Tert-butyl alcohol	ND	73	15	ug/Kg	1	01/21/17	JLI	SW8260C	
<u>Semivolatiles</u>									
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	01/18/17	DD	SW8270D	
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	1	01/18/17	DD	SW8270D	
1,2-Dichlorobenzene	ND	250	100	ug/Kg	1	01/18/17	DD	SW8270D	
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	1	01/18/17	DD	SW8270D	
1,3-Dichlorobenzene	ND	250	110	ug/Kg	1	01/18/17	DD	SW8270D	
1,4-Dichlorobenzene	ND	250	110	ug/Kg	1	01/18/17	DD	SW8270D	
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	1	01/18/17	DD	SW8270D	
2,4,6-Trichlorophenol	ND	180	110	ug/Kg	1	01/18/17	DD	SW8270D	
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	01/18/17	DD	SW8270D	
2,4-Dimethylphenol	ND	250	88	ug/Kg	1	01/18/17	DD	SW8270D	
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	01/18/17	DD	SW8270D	
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	01/18/17	DD	SW8270D	
2,6-Dinitrotoluene	ND	180	110	ug/Kg	1	01/18/17	DD	SW8270D	
2-Chloronaphthalene	ND	250	100	ug/Kg	1	01/18/17	DD	SW8270D	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2-Chlorophenol	ND	250	100	ug/Kg	1	01/18/17	DD	SW8270D
2-Methylnaphthalene	ND	250	110	ug/Kg	1	01/18/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	01/18/17	DD	SW8270D
2-Nitroaniline	ND	250	250	ug/Kg	1	01/18/17	DD	SW8270D
2-Nitrophenol	ND	250	230	ug/Kg	1	01/18/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	01/18/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	01/18/17	DD	SW8270D
3-Nitroaniline	ND	360	710	ug/Kg	1	01/18/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	210	71	ug/Kg	1	01/18/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	1	01/18/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	1	01/18/17	DD	SW8270D
4-Chloroaniline	ND	290	170	ug/Kg	1	01/18/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	01/18/17	DD	SW8270D
4-Nitroaniline	ND	360	120	ug/Kg	1	01/18/17	DD	SW8270D
4-Nitrophenol	ND	360	160	ug/Kg	1	01/18/17	DD	SW8270D
Acenaphthene	ND	250	110	ug/Kg	1	01/18/17	DD	SW8270D
Acenaphthylene	ND	250	100	ug/Kg	1	01/18/17	DD	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	01/18/17	DD	SW8270D
Aniline	ND	290	290	ug/Kg	1	01/18/17	DD	SW8270D
Anthracene	ND	250	120	ug/Kg	1	01/18/17	DD	SW8270D
Benz(a)anthracene	ND	250	120	ug/Kg	1	01/18/17	DD	SW8270D
Benzidine	ND	360	210	ug/Kg	1	01/18/17	DD	SW8270D
Benzo(a)pyrene	ND	180	120	ug/Kg	1	01/18/17	DD	SW8270D
Benzo(b)fluoranthene	ND	250	120	ug/Kg	1	01/18/17	DD	SW8270D
Benzo(ghi)perylene	ND	250	120	ug/Kg	1	01/18/17	DD	SW8270D
Benzo(k)fluoranthene	ND	250	120	ug/Kg	1	01/18/17	DD	SW8270D
Benzoic acid	ND	1800	710	ug/Kg	1	01/18/17	DD	SW8270D
Benzyl butyl phthalate	ND	250	92	ug/Kg	1	01/18/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	250	98	ug/Kg	1	01/18/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	180	96	ug/Kg	1	01/18/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	250	99	ug/Kg	1	01/18/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	01/18/17	DD	SW8270D
Carbazole	ND	180	140	ug/Kg	1	01/18/17	DD	SW8270D
Chrysene	ND	250	120	ug/Kg	1	01/18/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	180	120	ug/Kg	1	01/18/17	DD	SW8270D
Dibenzofuran	ND	250	100	ug/Kg	1	01/18/17	DD	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	01/18/17	DD	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	01/18/17	DD	SW8270D
Di-n-butylphthalate	ND	250	95	ug/Kg	1	01/18/17	DD	SW8270D
Di-n-octylphthalate	ND	250	92	ug/Kg	1	01/18/17	DD	SW8270D
Fluoranthene	160	J 250	120	ug/Kg	1	01/18/17	DD	SW8270D
Fluorene	ND	250	120	ug/Kg	1	01/18/17	DD	SW8270D
Hexachlorobenzene	ND	180	100	ug/Kg	1	01/18/17	DD	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	01/18/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	01/18/17	DD	SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	01/18/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	1	01/18/17	DD	SW8270D
Isophorone	ND	180	100	ug/Kg	1	01/18/17	DD	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	01/18/17	DD	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Nitrobenzene	ND	180	120	ug/Kg	1	01/18/17	DD	SW8270D
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	01/18/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	180	120	ug/Kg	1	01/18/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	1	01/18/17	DD	SW8270D
Pentachloronitrobenzene	ND	250	130	ug/Kg	1	01/18/17	DD	SW8270D
Pentachlorophenol	ND	210	130	ug/Kg	1	01/18/17	DD	SW8270D
Phenanthrene	260	250	100	ug/Kg	1	01/18/17	DD	SW8270D
Phenol	ND	250	110	ug/Kg	1	01/18/17	DD	SW8270D
Pyrene	220	J 250	120	ug/Kg	1	01/18/17	DD	SW8270D
Pyridine	ND	250	88	ug/Kg	1	01/18/17	DD	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	56			%	1	01/18/17	DD	30 - 130 %
% 2-Fluorobiphenyl	66			%	1	01/18/17	DD	30 - 130 %
% 2-Fluorophenol	54			%	1	01/18/17	DD	30 - 130 %
% Nitrobenzene-d5	70			%	1	01/18/17	DD	30 - 130 %
% Phenol-d5	66			%	1	01/18/17	DD	30 - 130 %
% Terphenyl-d14	67			%	1	01/18/17	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 Quantitation) ND=Not Detected BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

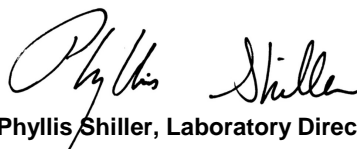
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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.

S - Laboratory solvent, contamination is possible.

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

January 24, 2017

Reviewed and Released by: Ethan Lee, Project Manager



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

Analysis Report
 January 24, 2017

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

Sample Information

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

Custody Information

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

Date

01/17/17
 01/18/17

Time

16:00

Laboratory Data

SDG ID: GBX31966
 Phoenix ID: BX31969

Project ID: 183 MCGUINNESS BLVD BROOKLYN NY
 Client ID: SB1 (4-6 FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.38	0.38	mg/Kg	1	01/20/17	TH	SW6010C
Aluminum	9730	38	7.6	mg/Kg	10	01/20/17	TH	SW6010C
Arsenic	4.49	0.76	0.76	mg/Kg	1	01/20/17	TH	SW6010C
Barium	29.2	0.8	0.38	mg/Kg	1	01/20/17	TH	SW6010C
Beryllium	0.41	0.30	0.15	mg/Kg	1	01/20/17	TH	SW6010C
Calcium	212	3.8	3.5	mg/Kg	1	01/20/17	TH	SW6010C
Cadmium	ND	0.38	0.38	mg/Kg	1	01/20/17	TH	SW6010C
Cobalt	7.11	0.38	0.38	mg/Kg	1	01/20/17	TH	SW6010C
Chromium	15.6	0.38	0.38	mg/Kg	1	01/20/17	TH	SW6010C
Copper	10.1	0.38	0.38	mg/kg	1	01/20/17	TH	SW6010C
Iron	17500	36	36	mg/Kg	10	01/24/17	LK	SW6010C
Mercury	0.05	0.03	0.02	mg/Kg	1	01/19/17	MA	SW7471B
Potassium	817	7	2.8	mg/Kg	1	01/24/17	LK	SW6010C
Magnesium	2250	3.8	3.8	mg/Kg	1	01/20/17	TH	SW6010C
Manganese	294	3.8	3.8	mg/Kg	10	01/20/17	TH	SW6010C
Sodium	31	8	3.3	mg/Kg	1	01/20/17	TH	SW6010C
Nickel	11.0	0.38	0.38	mg/Kg	1	01/20/17	TH	SW6010C
Lead	13.2	0.8	0.38	mg/Kg	1	01/20/17	TH	SW6010C
Antimony	ND	1.9	1.9	mg/Kg	1	01/20/17	TH	SW6010C
Selenium	ND	1.5	1.3	mg/Kg	1	01/20/17	TH	SW6010C
Thallium	ND	1.5	1.5	mg/Kg	1	01/20/17	TH	SW6010C
Vanadium	23.8	0.38	0.38	mg/Kg	1	01/20/17	TH	SW6010C
Zinc	39.4	0.8	0.38	mg/Kg	1	01/20/17	TH	SW6010C
Percent Solid	88			%		01/18/17	Q	SW846-%Solid
Soil Extraction for PCB	Completed					01/18/17	G/C/V	SW3545A
Soil Extraction for Pest	Completed					01/18/17	G/C/V	SW3545A
Soil Extraction for SVOA	Completed					01/18/17	G/J/CKV	SW3545A
Mercury Digestion	Completed					01/19/17	Q/Q	SW7471B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed					01/23/17	N/AG	SW3050B
Field Extraction	Completed					01/17/17		SW5035A

Polychlorinated Biphenyls

PCB-1016	ND	74	74	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1221	ND	74	74	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1232	ND	74	74	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1242	ND	74	74	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1248	ND	74	74	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1254	ND	74	74	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1260	ND	74	74	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1262	ND	74	74	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1268	ND	74	74	ug/Kg	2	01/19/17	AW	SW8082A

QA/QC Surrogates

% DCBP	82			%	2	01/19/17	AW	40 - 140 %
% TCMX	75			%	2	01/19/17	AW	40 - 140 %

Pesticides - Soil

4,4' -DDD	ND	2.2	2.2	ug/Kg	2	01/20/17	CE	SW8081B
4,4' -DDE	ND	2.2	2.2	ug/Kg	2	01/20/17	CE	SW8081B
4,4' -DDT	ND	2.2	2.2	ug/Kg	2	01/20/17	CE	SW8081B
a-BHC	ND	7.4	7.4	ug/Kg	2	01/20/17	CE	SW8081B
a-Chlordane	ND	3.7	3.7	ug/Kg	2	01/20/17	CE	SW8081B
Aldrin	ND	3.7	3.7	ug/Kg	2	01/20/17	CE	SW8081B
b-BHC	ND	7.4	7.4	ug/Kg	2	01/20/17	CE	SW8081B
Chlordane	ND	37	37	ug/Kg	2	01/20/17	CE	SW8081B
d-BHC	ND	7.4	7.4	ug/Kg	2	01/20/17	CE	SW8081B
Dieldrin	ND	3.7	3.7	ug/Kg	2	01/20/17	CE	SW8081B
Endosulfan I	ND	7.4	7.4	ug/Kg	2	01/20/17	CE	SW8081B
Endosulfan II	ND	7.4	7.4	ug/Kg	2	01/20/17	CE	SW8081B
Endosulfan sulfate	ND	7.4	7.4	ug/Kg	2	01/20/17	CE	SW8081B
Endrin	ND	7.4	7.4	ug/Kg	2	01/20/17	CE	SW8081B
Endrin aldehyde	ND	7.4	7.4	ug/Kg	2	01/20/17	CE	SW8081B
Endrin ketone	ND	7.4	7.4	ug/Kg	2	01/20/17	CE	SW8081B
g-BHC	ND	1.5	1.5	ug/Kg	2	01/20/17	CE	SW8081B
g-Chlordane	ND	3.7	3.7	ug/Kg	2	01/20/17	CE	SW8081B
Heptachlor	ND	7.4	7.4	ug/Kg	2	01/20/17	CE	SW8081B
Heptachlor epoxide	ND	7.4	7.4	ug/Kg	2	01/20/17	CE	SW8081B
Methoxychlor	ND	37	37	ug/Kg	2	01/20/17	CE	SW8081B
Toxaphene	ND	150	150	ug/Kg	2	01/20/17	CE	SW8081B

QA/QC Surrogates

% DCBP	77			%	2	01/20/17	CE	40 - 140 %
% TCMX	75			%	2	01/20/17	CE	40 - 140 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	4.7	0.94	ug/Kg	1	01/21/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.7	0.94	ug/Kg	1	01/21/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.7	0.94	ug/Kg	1	01/21/17	JLI	SW8260C
1,1-Dichloroethane	ND	4.7	0.94	ug/Kg	1	01/21/17	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloroethene	ND	4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
1,1-Dichloropropene	ND	4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.7	0.94	ug/Kg	1	01/21/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.7	0.94	ug/Kg	1	01/21/17	JLI	SW8260C
1,2,4-Trimethylbenzene	6.6	4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.7	0.94	ug/Kg	1	01/21/17	JLI	SW8260C
1,2-Dibromoethane	ND	4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
1,2-Dichloroethane	ND	4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
1,2-Dichloropropane	ND	4.7	0.94	ug/Kg	1	01/21/17	JLI	SW8260C
1,3,5-Trimethylbenzene	1.6	J 4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
1,3-Dichloropropane	ND	4.7	0.94	ug/Kg	1	01/21/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
2,2-Dichloropropane	ND	4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
2-Chlorotoluene	ND	4.7	0.94	ug/Kg	1	01/21/17	JLI	SW8260C
2-Hexanone	ND	24	4.7	ug/Kg	1	01/21/17	JLI	SW8260C
2-Isopropyltoluene	ND	4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
4-Chlorotoluene	ND	4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	24	4.7	ug/Kg	1	01/21/17	JLI	SW8260C
Acetone	6.8	JS 24	4.7	ug/Kg	1	01/21/17	JLI	SW8260C
Acrylonitrile	ND	9.4	0.94	ug/Kg	1	01/21/17	JLI	SW8260C
Benzene	ND	4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
Bromobenzene	ND	4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
Bromochloromethane	ND	4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
Bromodichloromethane	ND	4.7	0.94	ug/Kg	1	01/21/17	JLI	SW8260C
Bromoform	ND	4.7	0.94	ug/Kg	1	01/21/17	JLI	SW8260C
Bromomethane	ND	4.7	1.9	ug/Kg	1	01/21/17	JLI	SW8260C
Carbon Disulfide	ND	4.7	0.94	ug/Kg	1	01/21/17	JLI	SW8260C
Carbon tetrachloride	ND	4.7	0.94	ug/Kg	1	01/21/17	JLI	SW8260C
Chlorobenzene	ND	4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
Chloroethane	ND	4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
Chloroform	ND	4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
Chloromethane	ND	4.7	0.94	ug/Kg	1	01/21/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
Dibromochloromethane	ND	4.7	0.94	ug/Kg	1	01/21/17	JLI	SW8260C
Dibromomethane	ND	4.7	0.94	ug/Kg	1	01/21/17	JLI	SW8260C
Dichlorodifluoromethane	ND	4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
Ethylbenzene	1.5	J 4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
Hexachlorobutadiene	ND	4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
Isopropylbenzene	ND	4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
m&p-Xylene	8.3	4.7	0.94	ug/Kg	1	01/21/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	28	4.7	ug/Kg	1	01/21/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	9.4	0.94	ug/Kg	1	01/21/17	JLI	SW8260C
Methylene chloride	ND	4.7	4.7	ug/Kg	1	01/21/17	JLI	SW8260C
Naphthalene	2.2	J 4.7	0.94	ug/Kg	1	01/21/17	JLI	SW8260C
n-Butylbenzene	ND	4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
n-Propylbenzene	ND	4.7	0.94	ug/Kg	1	01/21/17	JLI	SW8260C
o-Xylene	4.6	J 4.7	0.94	ug/Kg	1	01/21/17	JLI	SW8260C
p-Isopropyltoluene	ND	4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
sec-Butylbenzene	ND	4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
Styrene	ND	4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
tert-Butylbenzene	ND	4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
Tetrachloroethene	ND	4.7	0.94	ug/Kg	1	01/21/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	9.4	2.4	ug/Kg	1	01/21/17	JLI	SW8260C
Toluene	2.7	J 4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	9.4	2.4	ug/Kg	1	01/21/17	JLI	SW8260C
Trichloroethene	ND	4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
Trichlorofluoromethane	ND	4.7	0.94	ug/Kg	1	01/21/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
Vinyl chloride	ND	4.7	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	95			%	1	01/21/17	JLI	70 - 130 %
% Bromofluorobenzene	97			%	1	01/21/17	JLI	70 - 130 %
% Dibromofluoromethane	100			%	1	01/21/17	JLI	70 - 130 %
% Toluene-d8	90			%	1	01/21/17	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	71	38	ug/kg	1	01/21/17	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	95			%	1	01/21/17	JLI	70 - 130 %
% Bromofluorobenzene	97			%	1	01/21/17	JLI	70 - 130 %
% Toluene-d8	90			%	1	01/21/17	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	19	0.94	ug/Kg	1	01/21/17	JLI	SW8260C
Acrolein	ND	19	2.4	ug/Kg	1	01/21/17	JLI	SW8260C
Acrylonitrile	ND	19	0.47	ug/Kg	1	01/21/17	JLI	SW8260C
Tert-butyl alcohol	ND	94	19	ug/Kg	1	01/21/17	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	01/19/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	1	01/19/17	DD	SW8270D
1,2-Dichlorobenzene	ND	260	100	ug/Kg	1	01/19/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	1	01/19/17	DD	SW8270D
1,3-Dichlorobenzene	ND	260	110	ug/Kg	1	01/19/17	DD	SW8270D
1,4-Dichlorobenzene	ND	260	110	ug/Kg	1	01/19/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	1	01/19/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	190	120	ug/Kg	1	01/19/17	DD	SW8270D
2,4-Dichlorophenol	ND	190	130	ug/Kg	1	01/19/17	DD	SW8270D
2,4-Dimethylphenol	ND	260	92	ug/Kg	1	01/19/17	DD	SW8270D
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	01/19/17	DD	SW8270D
2,4-Dinitrotoluene	ND	190	150	ug/Kg	1	01/19/17	DD	SW8270D
2,6-Dinitrotoluene	ND	190	120	ug/Kg	1	01/19/17	DD	SW8270D
2-Chloronaphthalene	ND	260	110	ug/Kg	1	01/19/17	DD	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2-Chlorophenol	ND	260	110	ug/Kg	1	01/19/17	DD	SW8270D
2-Methylnaphthalene	ND	260	110	ug/Kg	1	01/19/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	1	01/19/17	DD	SW8270D
2-Nitroaniline	ND	260	260	ug/Kg	1	01/19/17	DD	SW8270D
2-Nitrophenol	ND	260	240	ug/Kg	1	01/19/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	1	01/19/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	190	180	ug/Kg	1	01/19/17	DD	SW8270D
3-Nitroaniline	ND	370	740	ug/Kg	1	01/19/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	220	74	ug/Kg	1	01/19/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	01/19/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	01/19/17	DD	SW8270D
4-Chloroaniline	ND	300	170	ug/Kg	1	01/19/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	260	130	ug/Kg	1	01/19/17	DD	SW8270D
4-Nitroaniline	ND	370	120	ug/Kg	1	01/19/17	DD	SW8270D
4-Nitrophenol	ND	370	170	ug/Kg	1	01/19/17	DD	SW8270D
Acenaphthene	ND	260	110	ug/Kg	1	01/19/17	DD	SW8270D
Acenaphthylene	ND	260	100	ug/Kg	1	01/19/17	DD	SW8270D
Acetophenone	ND	260	120	ug/Kg	1	01/19/17	DD	SW8270D
Aniline	ND	300	300	ug/Kg	1	01/19/17	DD	SW8270D
Anthracene	ND	260	120	ug/Kg	1	01/19/17	DD	SW8270D
Benz(a)anthracene	ND	260	130	ug/Kg	1	01/19/17	DD	SW8270D
Benzidine	ND	370	220	ug/Kg	1	01/19/17	DD	SW8270D
Benzo(a)pyrene	ND	190	120	ug/Kg	1	01/19/17	DD	SW8270D
Benzo(b)fluoranthene	ND	260	130	ug/Kg	1	01/19/17	DD	SW8270D
Benzo(ghi)perylene	ND	260	120	ug/Kg	1	01/19/17	DD	SW8270D
Benzo(k)fluoranthene	ND	260	120	ug/Kg	1	01/19/17	DD	SW8270D
Benzoic acid	ND	1900	740	ug/Kg	1	01/19/17	DD	SW8270D
Benzyl butyl phthalate	ND	260	96	ug/Kg	1	01/19/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	01/19/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	190	100	ug/Kg	1	01/19/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	1	01/19/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	01/19/17	DD	SW8270D
Carbazole	ND	190	150	ug/Kg	1	01/19/17	DD	SW8270D
Chrysene	ND	260	130	ug/Kg	1	01/19/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	190	120	ug/Kg	1	01/19/17	DD	SW8270D
Dibenzofuran	ND	260	110	ug/Kg	1	01/19/17	DD	SW8270D
Diethyl phthalate	ND	260	120	ug/Kg	1	01/19/17	DD	SW8270D
Dimethylphthalate	ND	260	120	ug/Kg	1	01/19/17	DD	SW8270D
Di-n-butylphthalate	ND	260	99	ug/Kg	1	01/19/17	DD	SW8270D
Di-n-octylphthalate	ND	260	96	ug/Kg	1	01/19/17	DD	SW8270D
Fluoranthene	ND	260	120	ug/Kg	1	01/19/17	DD	SW8270D
Fluorene	ND	260	120	ug/Kg	1	01/19/17	DD	SW8270D
Hexachlorobenzene	ND	190	110	ug/Kg	1	01/19/17	DD	SW8270D
Hexachlorobutadiene	ND	260	130	ug/Kg	1	01/19/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	01/19/17	DD	SW8270D
Hexachloroethane	ND	190	110	ug/Kg	1	01/19/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	1	01/19/17	DD	SW8270D
Isophorone	ND	190	100	ug/Kg	1	01/19/17	DD	SW8270D
Naphthalene	ND	260	110	ug/Kg	1	01/19/17	DD	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Nitrobenzene	ND	190	130	ug/Kg	1	01/19/17	DD	SW8270D
N-Nitrosodimethylamine	ND	260	100	ug/Kg	1	01/19/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	190	120	ug/Kg	1	01/19/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	1	01/19/17	DD	SW8270D
Pentachloronitrobenzene	ND	260	140	ug/Kg	1	01/19/17	DD	SW8270D
Pentachlorophenol	ND	220	140	ug/Kg	1	01/19/17	DD	SW8270D
Phenanthrene	ND	260	110	ug/Kg	1	01/19/17	DD	SW8270D
Phenol	ND	260	120	ug/Kg	1	01/19/17	DD	SW8270D
Pyrene	ND	260	130	ug/Kg	1	01/19/17	DD	SW8270D
Pyridine	ND	260	92	ug/Kg	1	01/19/17	DD	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	79			%	1	01/19/17	DD	30 - 130 %
% 2-Fluorobiphenyl	69			%	1	01/19/17	DD	30 - 130 %
% 2-Fluorophenol	69			%	1	01/19/17	DD	30 - 130 %
% Nitrobenzene-d5	69			%	1	01/19/17	DD	30 - 130 %
% Phenol-d5	70			%	1	01/19/17	DD	30 - 130 %
% Terphenyl-d14	69			%	1	01/19/17	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 Quantitation) ND=Not Detected BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

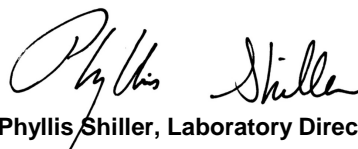
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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.

S - Laboratory solvent, contamination is possible.

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

January 24, 2017

Reviewed and Released by: Ethan Lee, Project Manager



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

Analysis Report
 January 24, 2017

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

Sample Information

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

Custody Information

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

Date

01/17/17
 01/18/17

Time

16:00

Laboratory Data

SDG ID: GBX31966
 Phoenix ID: BX31970

Project ID: 183 MCGUINNESS BLVD BROOKLYN NY
 Client ID: SB2 (4-6 FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.35	0.35	mg/Kg	1	01/20/17	TH	SW6010C
Aluminum	4560	35	7.0	mg/Kg	10	01/20/17	TH	SW6010C
Arsenic	1.18	0.70	0.70	mg/Kg	1	01/20/17	TH	SW6010C
Barium	25.7	0.7	0.35	mg/Kg	1	01/20/17	TH	SW6010C
Beryllium	0.22	J 0.28	0.14	mg/Kg	1	01/20/17	TH	SW6010C
Calcium	339	3.5	3.2	mg/Kg	1	01/20/17	TH	SW6010C
Cadmium	ND	0.35	0.35	mg/Kg	1	01/20/17	TH	SW6010C
Cobalt	4.29	0.35	0.35	mg/Kg	1	01/20/17	TH	SW6010C
Chromium	11.6	0.35	0.35	mg/Kg	1	01/20/17	TH	SW6010C
Copper	7.75	0.35	0.35	mg/kg	1	01/20/17	TH	SW6010C
Iron	10200	35	35	mg/Kg	10	01/24/17	LK	SW6010C
Mercury	ND	0.03	0.02	mg/Kg	1	01/19/17	MA	SW7471B
Potassium	629	7	2.7	mg/Kg	1	01/24/17	LK	SW6010C
Magnesium	1360	3.5	3.5	mg/Kg	1	01/20/17	TH	SW6010C
Manganese	329	3.5	3.5	mg/Kg	10	01/20/17	TH	SW6010C
Sodium	49	7	3.0	mg/Kg	1	01/20/17	TH	SW6010C
Nickel	9.51	0.35	0.35	mg/Kg	1	01/20/17	TH	SW6010C
Lead	2.5	0.7	0.35	mg/Kg	1	01/20/17	TH	SW6010C
Antimony	ND	1.8	1.8	mg/Kg	1	01/20/17	TH	SW6010C
Selenium	ND	1.4	1.2	mg/Kg	1	01/20/17	TH	SW6010C
Thallium	ND	1.4	1.4	mg/Kg	1	01/20/17	TH	SW6010C
Vanadium	20.2	0.35	0.35	mg/Kg	1	01/20/17	TH	SW6010C
Zinc	19.5	0.7	0.35	mg/Kg	1	01/20/17	TH	SW6010C
Percent Solid	96			%		01/18/17	Q	SW846-%Solid
Soil Extraction for PCB	Completed					01/18/17	G/C/V	SW3545A
Soil Extraction for Pest	Completed					01/18/17	G/C/V	SW3545A
Soil Extraction for SVOA	Completed					01/19/17	JJ/CKV	SW3545A
Mercury Digestion	Completed					01/19/17	Q/Q	SW7471B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed					01/23/17	N/AG	SW3050B
Field Extraction	Completed					01/17/17		SW5035A

Polychlorinated Biphenyls

PCB-1016	ND	69	69	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1221	ND	69	69	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1232	ND	69	69	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1242	ND	69	69	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1248	ND	69	69	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1254	ND	69	69	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1260	ND	69	69	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1262	ND	69	69	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1268	ND	69	69	ug/Kg	2	01/19/17	AW	SW8082A

QA/QC Surrogates

% DCBP	83			%	2	01/19/17	AW	40 - 140 %
% TCMX	76			%	2	01/19/17	AW	40 - 140 %

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	2	01/20/17	CE	SW8081B
4,4' -DDE	ND	2.1	2.1	ug/Kg	2	01/20/17	CE	SW8081B
4,4' -DDT	ND	2.1	2.1	ug/Kg	2	01/20/17	CE	SW8081B
a-BHC	ND	6.9	6.9	ug/Kg	2	01/20/17	CE	SW8081B
a-Chlordane	4.3	3.5	3.5	ug/Kg	2	01/20/17	CE	SW8081B
Aldrin	ND	3.5	3.5	ug/Kg	2	01/20/17	CE	SW8081B
b-BHC	ND	6.9	6.9	ug/Kg	2	01/20/17	CE	SW8081B
Chlordane	ND	35	35	ug/Kg	2	01/20/17	CE	SW8081B
d-BHC	ND	6.9	6.9	ug/Kg	2	01/20/17	CE	SW8081B
Dieldrin	ND	3.5	3.5	ug/Kg	2	01/20/17	CE	SW8081B
Endosulfan I	ND	6.9	6.9	ug/Kg	2	01/20/17	CE	SW8081B
Endosulfan II	ND	6.9	6.9	ug/Kg	2	01/20/17	CE	SW8081B
Endosulfan sulfate	ND	6.9	6.9	ug/Kg	2	01/20/17	CE	SW8081B
Endrin	ND	6.9	6.9	ug/Kg	2	01/20/17	CE	SW8081B
Endrin aldehyde	ND	6.9	6.9	ug/Kg	2	01/20/17	CE	SW8081B
Endrin ketone	ND	6.9	6.9	ug/Kg	2	01/20/17	CE	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	01/20/17	CE	SW8081B
g-Chlordane	4.8	3.5	3.5	ug/Kg	2	01/20/17	CE	SW8081B
Heptachlor	ND	6.9	6.9	ug/Kg	2	01/20/17	CE	SW8081B
Heptachlor epoxide	ND	6.9	6.9	ug/Kg	2	01/20/17	CE	SW8081B
Methoxychlor	ND	35	35	ug/Kg	2	01/20/17	CE	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	01/20/17	CE	SW8081B

QA/QC Surrogates

% DCBP	80			%	2	01/20/17	CE	40 - 140 %
% TCMX	81			%	2	01/20/17	CE	40 - 140 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	2.7	0.54	ug/Kg	1	01/21/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	2.7	0.54	ug/Kg	1	01/21/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	2.7	0.54	ug/Kg	1	01/21/17	JLI	SW8260C
1,1-Dichloroethane	ND	2.7	0.54	ug/Kg	1	01/21/17	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloroethene	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
1,1-Dichloropropene	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	2.7	0.54	ug/Kg	1	01/21/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	2.7	0.54	ug/Kg	1	01/21/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	2.7	0.54	ug/Kg	1	01/21/17	JLI	SW8260C
1,2-Dibromoethane	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
1,2-Dichloroethane	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
1,2-Dichloropropane	ND	2.7	0.54	ug/Kg	1	01/21/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
1,3-Dichloropropane	ND	2.7	0.54	ug/Kg	1	01/21/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
2,2-Dichloropropane	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
2-Chlorotoluene	ND	2.7	0.54	ug/Kg	1	01/21/17	JLI	SW8260C
2-Hexanone	ND	14	2.7	ug/Kg	1	01/21/17	JLI	SW8260C
2-Isopropyltoluene	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
4-Chlorotoluene	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	14	2.7	ug/Kg	1	01/21/17	JLI	SW8260C
Acetone	3.9	JS 14	2.7	ug/Kg	1	01/21/17	JLI	SW8260C
Acrylonitrile	ND	5.4	0.54	ug/Kg	1	01/21/17	JLI	SW8260C
Benzene	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
Bromobenzene	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
Bromochloromethane	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
Bromodichloromethane	ND	2.7	0.54	ug/Kg	1	01/21/17	JLI	SW8260C
Bromoform	ND	2.7	0.54	ug/Kg	1	01/21/17	JLI	SW8260C
Bromomethane	ND	2.7	1.1	ug/Kg	1	01/21/17	JLI	SW8260C
Carbon Disulfide	ND	2.7	0.54	ug/Kg	1	01/21/17	JLI	SW8260C
Carbon tetrachloride	ND	2.7	0.54	ug/Kg	1	01/21/17	JLI	SW8260C
Chlorobenzene	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
Chloroethane	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
Chloroform	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
Chloromethane	ND	2.7	0.54	ug/Kg	1	01/21/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
Dibromochloromethane	ND	2.7	0.54	ug/Kg	1	01/21/17	JLI	SW8260C
Dibromomethane	ND	2.7	0.54	ug/Kg	1	01/21/17	JLI	SW8260C
Dichlorodifluoromethane	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
Ethylbenzene	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
Hexachlorobutadiene	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
Isopropylbenzene	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
m&p-Xylene	0.79	J 2.7	0.54	ug/Kg	1	01/21/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	16	2.7	ug/Kg	1	01/21/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	5.4	0.54	ug/Kg	1	01/21/17	JLI	SW8260C
Methylene chloride	ND	2.7	2.7	ug/Kg	1	01/21/17	JLI	SW8260C
Naphthalene	ND	2.7	0.54	ug/Kg	1	01/21/17	JLI	SW8260C
n-Butylbenzene	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
n-Propylbenzene	ND	2.7	0.54	ug/Kg	1	01/21/17	JLI	SW8260C
o-Xylene	ND	2.7	0.54	ug/Kg	1	01/21/17	JLI	SW8260C
p-Isopropyltoluene	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
sec-Butylbenzene	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
Styrene	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
tert-Butylbenzene	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
Tetrachloroethene	ND	2.7	0.54	ug/Kg	1	01/21/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	5.4	1.4	ug/Kg	1	01/21/17	JLI	SW8260C
Toluene	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	5.4	1.4	ug/Kg	1	01/21/17	JLI	SW8260C
Trichloroethene	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
Trichlorofluoromethane	ND	2.7	0.54	ug/Kg	1	01/21/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
Vinyl chloride	ND	2.7	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	95			%	1	01/21/17	JLI	70 - 130 %
% Bromofluorobenzene	101			%	1	01/21/17	JLI	70 - 130 %
% Dibromofluoromethane	104			%	1	01/21/17	JLI	70 - 130 %
% Toluene-d8	90			%	1	01/21/17	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	41	22	ug/kg	1	01/21/17	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	95			%	1	01/21/17	JLI	70 - 130 %
% Bromofluorobenzene	101			%	1	01/21/17	JLI	70 - 130 %
% Toluene-d8	90			%	1	01/21/17	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	11	0.54	ug/Kg	1	01/21/17	JLI	SW8260C
Acrolein	ND	11	1.4	ug/Kg	1	01/21/17	JLI	SW8260C
Acrylonitrile	ND	11	0.27	ug/Kg	1	01/21/17	JLI	SW8260C
Tert-butyl alcohol	ND	54	11	ug/Kg	1	01/21/17	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	1	01/20/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	240	100	ug/Kg	1	01/20/17	DD	SW8270D
1,2-Dichlorobenzene	ND	240	97	ug/Kg	1	01/20/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	240	110	ug/Kg	1	01/20/17	DD	SW8270D
1,3-Dichlorobenzene	ND	240	100	ug/Kg	1	01/20/17	DD	SW8270D
1,4-Dichlorobenzene	ND	240	100	ug/Kg	1	01/20/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	1	01/20/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	170	110	ug/Kg	1	01/20/17	DD	SW8270D
2,4-Dichlorophenol	ND	170	120	ug/Kg	1	01/20/17	DD	SW8270D
2,4-Dimethylphenol	ND	240	85	ug/Kg	1	01/20/17	DD	SW8270D
2,4-Dinitrophenol	ND	240	240	ug/Kg	1	01/20/17	DD	SW8270D
2,4-Dinitrotoluene	ND	170	140	ug/Kg	1	01/20/17	DD	SW8270D
2,6-Dinitrotoluene	ND	170	110	ug/Kg	1	01/20/17	DD	SW8270D
2-Chloronaphthalene	ND	240	98	ug/Kg	1	01/20/17	DD	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2-Chlorophenol	ND	240	98	ug/Kg	1	01/20/17	DD	SW8270D
2-Methylnaphthalene	ND	240	100	ug/Kg	1	01/20/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	1	01/20/17	DD	SW8270D
2-Nitroaniline	ND	240	240	ug/Kg	1	01/20/17	DD	SW8270D
2-Nitrophenol	ND	240	220	ug/Kg	1	01/20/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	1	01/20/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	170	160	ug/Kg	1	01/20/17	DD	SW8270D
3-Nitroaniline	ND	340	690	ug/Kg	1	01/20/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	210	69	ug/Kg	1	01/20/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	1	01/20/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	1	01/20/17	DD	SW8270D
4-Chloroaniline	ND	280	160	ug/Kg	1	01/20/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	1	01/20/17	DD	SW8270D
4-Nitroaniline	ND	340	110	ug/Kg	1	01/20/17	DD	SW8270D
4-Nitrophenol	ND	340	160	ug/Kg	1	01/20/17	DD	SW8270D
Acenaphthene	ND	240	100	ug/Kg	1	01/20/17	DD	SW8270D
Acenaphthylene	ND	240	96	ug/Kg	1	01/20/17	DD	SW8270D
Acetophenone	ND	240	110	ug/Kg	1	01/20/17	DD	SW8270D
Aniline	ND	280	280	ug/Kg	1	01/20/17	DD	SW8270D
Anthracene	ND	240	110	ug/Kg	1	01/20/17	DD	SW8270D
Benz(a)anthracene	ND	240	120	ug/Kg	1	01/20/17	DD	SW8270D
Benzidine	ND	340	200	ug/Kg	1	01/20/17	DD	SW8270D
Benzo(a)pyrene	ND	170	110	ug/Kg	1	01/20/17	DD	SW8270D
Benzo(b)fluoranthene	ND	240	120	ug/Kg	1	01/20/17	DD	SW8270D
Benzo(ghi)perylene	ND	240	110	ug/Kg	1	01/20/17	DD	SW8270D
Benzo(k)fluoranthene	ND	240	110	ug/Kg	1	01/20/17	DD	SW8270D
Benzoic acid	ND	1700	690	ug/Kg	1	01/20/17	DD	SW8270D
Benzyl butyl phthalate	ND	240	89	ug/Kg	1	01/20/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	240	95	ug/Kg	1	01/20/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	170	93	ug/Kg	1	01/20/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	240	96	ug/Kg	1	01/20/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	240	99	ug/Kg	1	01/20/17	DD	SW8270D
Carbazole	ND	170	140	ug/Kg	1	01/20/17	DD	SW8270D
Chrysene	ND	240	120	ug/Kg	1	01/20/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	170	110	ug/Kg	1	01/20/17	DD	SW8270D
Dibenzofuran	ND	240	100	ug/Kg	1	01/20/17	DD	SW8270D
Diethyl phthalate	ND	240	110	ug/Kg	1	01/20/17	DD	SW8270D
Dimethylphthalate	ND	240	110	ug/Kg	1	01/20/17	DD	SW8270D
Di-n-butylphthalate	ND	240	91	ug/Kg	1	01/20/17	DD	SW8270D
Di-n-octylphthalate	ND	240	89	ug/Kg	1	01/20/17	DD	SW8270D
Fluoranthene	ND	240	110	ug/Kg	1	01/20/17	DD	SW8270D
Fluorene	ND	240	110	ug/Kg	1	01/20/17	DD	SW8270D
Hexachlorobenzene	ND	170	100	ug/Kg	1	01/20/17	DD	SW8270D
Hexachlorobutadiene	ND	240	120	ug/Kg	1	01/20/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	240	110	ug/Kg	1	01/20/17	DD	SW8270D
Hexachloroethane	ND	170	100	ug/Kg	1	01/20/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	110	ug/Kg	1	01/20/17	DD	SW8270D
Isophorone	ND	170	96	ug/Kg	1	01/20/17	DD	SW8270D
Naphthalene	ND	240	99	ug/Kg	1	01/20/17	DD	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Nitrobenzene	ND	170	120	ug/Kg	1	01/20/17	DD	SW8270D
N-Nitrosodimethylamine	ND	240	97	ug/Kg	1	01/20/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	170	110	ug/Kg	1	01/20/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	240	130	ug/Kg	1	01/20/17	DD	SW8270D
Pentachloronitrobenzene	ND	240	130	ug/Kg	1	01/20/17	DD	SW8270D
Pentachlorophenol	ND	210	130	ug/Kg	1	01/20/17	DD	SW8270D
Phenanthrene	ND	240	98	ug/Kg	1	01/20/17	DD	SW8270D
Phenol	ND	240	110	ug/Kg	1	01/20/17	DD	SW8270D
Pyrene	ND	240	120	ug/Kg	1	01/20/17	DD	SW8270D
Pyridine	ND	240	85	ug/Kg	1	01/20/17	DD	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	61			%	1	01/20/17	DD	30 - 130 %
% 2-Fluorobiphenyl	62			%	1	01/20/17	DD	30 - 130 %
% 2-Fluorophenol	54			%	1	01/20/17	DD	30 - 130 %
% Nitrobenzene-d5	49			%	1	01/20/17	DD	30 - 130 %
% Phenol-d5	54			%	1	01/20/17	DD	30 - 130 %
% Terphenyl-d14	71			%	1	01/20/17	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 Quantitation) ND=Not Detected BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

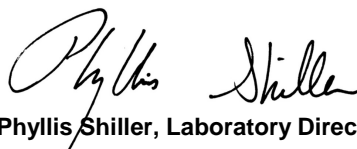
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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.

S - Laboratory solvent, contamination is possible.

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

January 24, 2017

Reviewed and Released by: Ethan Lee, Project Manager



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

Analysis Report
 January 24, 2017

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

Sample Information

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

Custody Information

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

Date

01/17/17
 01/18/17

Time

16:00

Laboratory Data

SDG ID: GBX31966
 Phoenix ID: BX31971

Project ID: 183 MCGUINNESS BLVD BROOKLYN NY
 Client ID: SB3 (4-6 FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.37	0.37	mg/Kg	1	01/20/17	TH	SW6010C
Aluminum	10300	37	7.4	mg/Kg	10	01/20/17	TH	SW6010C
Arsenic	3.60	0.74	0.74	mg/Kg	1	01/20/17	TH	SW6010C
Barium	66.2	0.7	0.37	mg/Kg	1	01/20/17	TH	SW6010C
Beryllium	0.56	0.29	0.15	mg/Kg	1	01/20/17	TH	SW6010C
Calcium	1920	3.7	3.4	mg/Kg	1	01/20/17	TH	SW6010C
Cadmium	ND	0.37	0.37	mg/Kg	1	01/20/17	TH	SW6010C
Cobalt	11.8	0.37	0.37	mg/Kg	1	01/20/17	TH	SW6010C
Chromium	24.8	0.37	0.37	mg/Kg	1	01/20/17	TH	SW6010C
Copper	20.2	0.37	0.37	mg/kg	1	01/20/17	TH	SW6010C
Iron	23000	34	34	mg/Kg	10	01/24/17	LK	SW6010C
Mercury	0.13	0.03	0.02	mg/Kg	1	01/19/17	MA	SW7471B
Potassium	1870	7	2.7	mg/Kg	1	01/24/17	LK	SW6010C
Magnesium	4810	3.7	3.7	mg/Kg	1	01/20/17	TH	SW6010C
Manganese	422	3.7	3.7	mg/Kg	10	01/20/17	TH	SW6010C
Sodium	150	7	3.2	mg/Kg	1	01/20/17	TH	SW6010C
Nickel	27.4	0.37	0.37	mg/Kg	1	01/20/17	TH	SW6010C
Lead	19.5	0.7	0.37	mg/Kg	1	01/20/17	TH	SW6010C
Antimony	ND	1.8	1.8	mg/Kg	1	01/20/17	LK	SW6010C
Selenium	ND	1.5	1.3	mg/Kg	1	01/20/17	LK	SW6010C
Thallium	ND	1.5	1.5	mg/Kg	1	01/20/17	TH	SW6010C
Vanadium	34.8	0.37	0.37	mg/Kg	1	01/20/17	TH	SW6010C
Zinc	55.8	0.7	0.37	mg/Kg	1	01/20/17	TH	SW6010C
Percent Solid	93			%		01/18/17	Q	SW846-%Solid
Soil Extraction for PCB	Completed					01/18/17	G/C/V	SW3545A
Soil Extraction for Pest	Completed					01/18/17	G/C/V	SW3545A
Soil Extraction for SVOA	Completed					01/18/17	G/J/CKV	SW3545A
Mercury Digestion	Completed					01/19/17	Q/Q	SW7471B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed					01/23/17	N/AG	SW3050B
Field Extraction	Completed					01/17/17		SW5035A

Polychlorinated Biphenyls

PCB-1016	ND	72	72	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1221	ND	72	72	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1232	ND	72	72	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1242	ND	72	72	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1248	ND	72	72	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1254	ND	72	72	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1260	ND	72	72	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1262	ND	72	72	ug/Kg	2	01/19/17	AW	SW8082A
PCB-1268	ND	72	72	ug/Kg	2	01/19/17	AW	SW8082A

QA/QC Surrogates

% DCBP	66			%	2	01/19/17	AW	40 - 140 %
% TCMX	63			%	2	01/19/17	AW	40 - 140 %

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	2	01/20/17	CE	SW8081B
4,4' -DDE	ND	2.1	2.1	ug/Kg	2	01/20/17	CE	SW8081B
4,4' -DDT	ND	2.1	2.1	ug/Kg	2	01/20/17	CE	SW8081B
a-BHC	ND	7.2	7.2	ug/Kg	2	01/20/17	CE	SW8081B
a-Chlordane	2.9	1.8	1.8	ug/Kg	2	01/20/17	CE	SW8081B
Aldrin	ND	3.6	3.6	ug/Kg	2	01/20/17	CE	SW8081B
b-BHC	ND	7.2	7.2	ug/Kg	2	01/20/17	CE	SW8081B
Chlordane	ND	36	36	ug/Kg	2	01/20/17	CE	SW8081B
d-BHC	ND	7.2	7.2	ug/Kg	2	01/20/17	CE	SW8081B
Dieldrin	ND	3.6	3.6	ug/Kg	2	01/20/17	CE	SW8081B
Endosulfan I	ND	7.2	7.2	ug/Kg	2	01/20/17	CE	SW8081B
Endosulfan II	ND	7.2	7.2	ug/Kg	2	01/20/17	CE	SW8081B
Endosulfan sulfate	ND	7.2	7.2	ug/Kg	2	01/20/17	CE	SW8081B
Endrin	ND	7.2	7.2	ug/Kg	2	01/20/17	CE	SW8081B
Endrin aldehyde	ND	7.2	7.2	ug/Kg	2	01/20/17	CE	SW8081B
Endrin ketone	ND	7.2	7.2	ug/Kg	2	01/20/17	CE	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	01/20/17	CE	SW8081B
g-Chlordane	4.5	3.6	3.6	ug/Kg	2	01/20/17	CE	SW8081B
Heptachlor	ND	7.2	7.2	ug/Kg	2	01/20/17	CE	SW8081B
Heptachlor epoxide	ND	7.2	7.2	ug/Kg	2	01/20/17	CE	SW8081B
Methoxychlor	ND	36	36	ug/Kg	2	01/20/17	CE	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	01/20/17	CE	SW8081B

QA/QC Surrogates

% DCBP	74			%	2	01/20/17	CE	40 - 140 %
% TCMX	69			%	2	01/20/17	CE	40 - 140 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	2.9	0.58	ug/Kg	1	01/21/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	2.9	0.58	ug/Kg	1	01/21/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	2.9	0.58	ug/Kg	1	01/21/17	JLI	SW8260C
1,1-Dichloroethane	ND	2.9	0.58	ug/Kg	1	01/21/17	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloroethene	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
1,1-Dichloropropene	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	2.9	0.58	ug/Kg	1	01/21/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	2.9	0.58	ug/Kg	1	01/21/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	2.9	0.58	ug/Kg	1	01/21/17	JLI	SW8260C
1,2-Dibromoethane	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
1,2-Dichloroethane	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
1,2-Dichloropropane	ND	2.9	0.58	ug/Kg	1	01/21/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
1,3-Dichloropropane	ND	2.9	0.58	ug/Kg	1	01/21/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
2,2-Dichloropropane	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
2-Chlorotoluene	ND	2.9	0.58	ug/Kg	1	01/21/17	JLI	SW8260C
2-Hexanone	ND	15	2.9	ug/Kg	1	01/21/17	JLI	SW8260C
2-Isopropyltoluene	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
4-Chlorotoluene	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	15	2.9	ug/Kg	1	01/21/17	JLI	SW8260C
Acetone	4.7	JS 15	2.9	ug/Kg	1	01/21/17	JLI	SW8260C
Acrylonitrile	ND	5.8	0.58	ug/Kg	1	01/21/17	JLI	SW8260C
Benzene	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
Bromobenzene	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
Bromochloromethane	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
Bromodichloromethane	ND	2.9	0.58	ug/Kg	1	01/21/17	JLI	SW8260C
Bromoform	ND	2.9	0.58	ug/Kg	1	01/21/17	JLI	SW8260C
Bromomethane	ND	2.9	1.2	ug/Kg	1	01/21/17	JLI	SW8260C
Carbon Disulfide	ND	2.9	0.58	ug/Kg	1	01/21/17	JLI	SW8260C
Carbon tetrachloride	ND	2.9	0.58	ug/Kg	1	01/21/17	JLI	SW8260C
Chlorobenzene	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
Chloroethane	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
Chloroform	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
Chloromethane	ND	2.9	0.58	ug/Kg	1	01/21/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
Dibromochloromethane	ND	2.9	0.58	ug/Kg	1	01/21/17	JLI	SW8260C
Dibromomethane	ND	2.9	0.58	ug/Kg	1	01/21/17	JLI	SW8260C
Dichlorodifluoromethane	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
Ethylbenzene	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
Hexachlorobutadiene	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
Isopropylbenzene	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
m&p-Xylene	0.78	J 2.9	0.58	ug/Kg	1	01/21/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	17	2.9	ug/Kg	1	01/21/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	5.8	0.58	ug/Kg	1	01/21/17	JLI	SW8260C
Methylene chloride	ND	2.9	2.9	ug/Kg	1	01/21/17	JLI	SW8260C
Naphthalene	ND	2.9	0.58	ug/Kg	1	01/21/17	JLI	SW8260C
n-Butylbenzene	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
n-Propylbenzene	ND	2.9	0.58	ug/Kg	1	01/21/17	JLI	SW8260C
o-Xylene	ND	2.9	0.58	ug/Kg	1	01/21/17	JLI	SW8260C
p-Isopropyltoluene	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
sec-Butylbenzene	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
Styrene	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
tert-Butylbenzene	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
Tetrachloroethene	ND	2.9	0.58	ug/Kg	1	01/21/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	5.8	1.5	ug/Kg	1	01/21/17	JLI	SW8260C
Toluene	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	5.8	1.5	ug/Kg	1	01/21/17	JLI	SW8260C
Trichloroethene	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
Trichlorofluoromethane	ND	2.9	0.58	ug/Kg	1	01/21/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
Vinyl chloride	ND	2.9	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	97			%	1	01/21/17	JLI	70 - 130 %
% Bromofluorobenzene	100			%	1	01/21/17	JLI	70 - 130 %
% Dibromofluoromethane	104			%	1	01/21/17	JLI	70 - 130 %
% Toluene-d8	91			%	1	01/21/17	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	44	23	ug/kg	1	01/21/17	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	97			%	1	01/21/17	JLI	70 - 130 %
% Bromofluorobenzene	100			%	1	01/21/17	JLI	70 - 130 %
% Toluene-d8	91			%	1	01/21/17	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	12	0.58	ug/Kg	1	01/21/17	JLI	SW8260C
Acrolein	ND	12	1.5	ug/Kg	1	01/21/17	JLI	SW8260C
Acrylonitrile	ND	12	0.29	ug/Kg	1	01/21/17	JLI	SW8260C
Tert-butyl alcohol	ND	58	12	ug/Kg	1	01/21/17	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	1	01/19/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	1	01/19/17	DD	SW8270D
1,2-Dichlorobenzene	ND	250	99	ug/Kg	1	01/19/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	250	110	ug/Kg	1	01/19/17	DD	SW8270D
1,3-Dichlorobenzene	ND	250	100	ug/Kg	1	01/19/17	DD	SW8270D
1,4-Dichlorobenzene	ND	250	100	ug/Kg	1	01/19/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	1	01/19/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	180	110	ug/Kg	1	01/19/17	DD	SW8270D
2,4-Dichlorophenol	ND	180	120	ug/Kg	1	01/19/17	DD	SW8270D
2,4-Dimethylphenol	ND	250	87	ug/Kg	1	01/19/17	DD	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	01/19/17	DD	SW8270D
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	01/19/17	DD	SW8270D
2,6-Dinitrotoluene	ND	180	110	ug/Kg	1	01/19/17	DD	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	01/19/17	DD	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2-Chlorophenol	ND	250	100	ug/Kg	1	01/19/17	DD	SW8270D
2-Methylnaphthalene	ND	250	100	ug/Kg	1	01/19/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	01/19/17	DD	SW8270D
2-Nitroaniline	ND	250	250	ug/Kg	1	01/19/17	DD	SW8270D
2-Nitrophenol	ND	250	220	ug/Kg	1	01/19/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	01/19/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	01/19/17	DD	SW8270D
3-Nitroaniline	ND	350	700	ug/Kg	1	01/19/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	210	70	ug/Kg	1	01/19/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	1	01/19/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	1	01/19/17	DD	SW8270D
4-Chloroaniline	ND	280	160	ug/Kg	1	01/19/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	01/19/17	DD	SW8270D
4-Nitroaniline	ND	350	120	ug/Kg	1	01/19/17	DD	SW8270D
4-Nitrophenol	ND	350	160	ug/Kg	1	01/19/17	DD	SW8270D
Acenaphthene	ND	250	110	ug/Kg	1	01/19/17	DD	SW8270D
Acenaphthylene	ND	250	98	ug/Kg	1	01/19/17	DD	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	01/19/17	DD	SW8270D
Aniline	ND	280	280	ug/Kg	1	01/19/17	DD	SW8270D
Anthracene	ND	250	120	ug/Kg	1	01/19/17	DD	SW8270D
Benz(a)anthracene	ND	250	120	ug/Kg	1	01/19/17	DD	SW8270D
Benzidine	ND	350	210	ug/Kg	1	01/19/17	DD	SW8270D
Benzo(a)pyrene	ND	180	110	ug/Kg	1	01/19/17	DD	SW8270D
Benzo(b)fluoranthene	ND	250	120	ug/Kg	1	01/19/17	DD	SW8270D
Benzo(ghi)perylene	ND	250	110	ug/Kg	1	01/19/17	DD	SW8270D
Benzo(k)fluoranthene	ND	250	120	ug/Kg	1	01/19/17	DD	SW8270D
Benzoic acid	ND	1800	700	ug/Kg	1	01/19/17	DD	SW8270D
Benzyl butyl phthalate	ND	250	91	ug/Kg	1	01/19/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	250	97	ug/Kg	1	01/19/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	180	95	ug/Kg	1	01/19/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	250	98	ug/Kg	1	01/19/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	01/19/17	DD	SW8270D
Carbazole	ND	180	140	ug/Kg	1	01/19/17	DD	SW8270D
Chrysene	ND	250	120	ug/Kg	1	01/19/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	180	110	ug/Kg	1	01/19/17	DD	SW8270D
Dibenzofuran	ND	250	100	ug/Kg	1	01/19/17	DD	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	01/19/17	DD	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	01/19/17	DD	SW8270D
Di-n-butylphthalate	ND	250	93	ug/Kg	1	01/19/17	DD	SW8270D
Di-n-octylphthalate	ND	250	91	ug/Kg	1	01/19/17	DD	SW8270D
Fluoranthene	ND	250	110	ug/Kg	1	01/19/17	DD	SW8270D
Fluorene	ND	250	120	ug/Kg	1	01/19/17	DD	SW8270D
Hexachlorobenzene	ND	180	100	ug/Kg	1	01/19/17	DD	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	01/19/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	01/19/17	DD	SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	01/19/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	1	01/19/17	DD	SW8270D
Isophorone	ND	180	98	ug/Kg	1	01/19/17	DD	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	01/19/17	DD	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Nitrobenzene	ND	180	120	ug/Kg	1	01/19/17	DD	SW8270D
N-Nitrosodimethylamine	ND	250	99	ug/Kg	1	01/19/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	180	110	ug/Kg	1	01/19/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	250	130	ug/Kg	1	01/19/17	DD	SW8270D
Pentachloronitrobenzene	ND	250	130	ug/Kg	1	01/19/17	DD	SW8270D
Pentachlorophenol	ND	210	130	ug/Kg	1	01/19/17	DD	SW8270D
Phenanthrene	ND	250	100	ug/Kg	1	01/19/17	DD	SW8270D
Phenol	ND	250	110	ug/Kg	1	01/19/17	DD	SW8270D
Pyrene	ND	250	120	ug/Kg	1	01/19/17	DD	SW8270D
Pyridine	ND	250	86	ug/Kg	1	01/19/17	DD	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	54			%	1	01/19/17	DD	30 - 130 %
% 2-Fluorobiphenyl	63			%	1	01/19/17	DD	30 - 130 %
% 2-Fluorophenol	47			%	1	01/19/17	DD	30 - 130 %
% Nitrobenzene-d5	59			%	1	01/19/17	DD	30 - 130 %
% Phenol-d5	51			%	1	01/19/17	DD	30 - 130 %
% Terphenyl-d14	66			%	1	01/19/17	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 Quantitation) ND=Not Detected BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

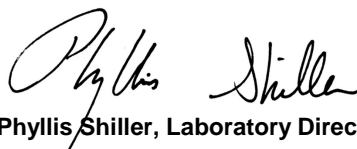
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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.

S - Laboratory solvent, contamination is possible.

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

January 24, 2017

Reviewed and Released by: Ethan Lee, Project Manager



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



Analysis Report

January 24, 2017

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

Sample Information

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

Custody Information

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

Date

01/17/17
 01/18/17

Time

16:00

Laboratory Data

SDG ID: GBX31966
 Phoenix ID: BX31972

Project ID: 183 MCGUINNESS BLVD BROOKLYN NY
 Client ID: SOIL DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.36	0.36	mg/Kg	1	01/20/17	TH	SW6010C
Aluminum	5300	36	7.2	mg/Kg	10	01/20/17	TH	SW6010C
Arsenic	2.95	0.72	0.72	mg/Kg	1	01/20/17	TH	SW6010C
Barium	21.3	0.7	0.36	mg/Kg	1	01/20/17	TH	SW6010C
Beryllium	0.28	J 0.29	0.14	mg/Kg	1	01/20/17	TH	SW6010C
Calcium	452	3.6	3.3	mg/Kg	1	01/20/17	TH	SW6010C
Cadmium	ND	0.36	0.36	mg/Kg	1	01/20/17	TH	SW6010C
Cobalt	4.77	0.36	0.36	mg/Kg	1	01/20/17	TH	SW6010C
Chromium	9.97	0.36	0.36	mg/Kg	1	01/20/17	TH	SW6010C
Copper	8.48	0.36	0.36	mg/kg	1	01/20/17	TH	SW6010C
Iron	10100	35	35	mg/Kg	10	01/24/17	LK	SW6010C
Mercury	0.05	0.02	0.01	mg/Kg	1	01/19/17	MA	SW7471B
Potassium	777	7	2.7	mg/Kg	1	01/24/17	LK	SW6010C
Magnesium	1750	3.6	3.6	mg/Kg	1	01/20/17	TH	SW6010C
Manganese	240	3.6	3.6	mg/Kg	10	01/20/17	TH	SW6010C
Sodium	40	7	3.1	mg/Kg	1	01/20/17	TH	SW6010C
Nickel	9.79	0.36	0.36	mg/Kg	1	01/20/17	TH	SW6010C
Lead	8.9	0.7	0.36	mg/Kg	1	01/20/17	TH	SW6010C
Antimony	ND	1.8	1.8	mg/Kg	1	01/20/17	TH	SW6010C
Selenium	ND	1.4	1.2	mg/Kg	1	01/20/17	TH	SW6010C
Thallium	ND	1.4	1.4	mg/Kg	1	01/20/17	TH	SW6010C
Vanadium	13.6	0.36	0.36	mg/Kg	1	01/20/17	TH	SW6010C
Zinc	27.4	0.7	0.36	mg/Kg	1	01/20/17	TH	SW6010C
Percent Solid	96			%		01/18/17	Q	SW846-%Solid
Soil Extraction for PCB	Completed					01/18/17	G/C/V	SW3545A
Soil Extraction for Pest	Completed					01/18/17	G/C/V	SW3545A
Soil Extraction for SVOA	Completed					01/18/17	G/J/CKV	SW3545A
Mercury Digestion	Completed					01/19/17	Q/Q	SW7471B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed					01/23/17	N/AG	SW3050B
Field Extraction	Completed					01/17/17		SW5035A

Polychlorinated Biphenyls

PCB-1016	ND	69	69	ug/Kg	2	01/20/17	AW	SW8082A
PCB-1221	ND	69	69	ug/Kg	2	01/20/17	AW	SW8082A
PCB-1232	ND	69	69	ug/Kg	2	01/20/17	AW	SW8082A
PCB-1242	ND	69	69	ug/Kg	2	01/20/17	AW	SW8082A
PCB-1248	ND	69	69	ug/Kg	2	01/20/17	AW	SW8082A
PCB-1254	ND	69	69	ug/Kg	2	01/20/17	AW	SW8082A
PCB-1260	ND	69	69	ug/Kg	2	01/20/17	AW	SW8082A
PCB-1262	ND	69	69	ug/Kg	2	01/20/17	AW	SW8082A
PCB-1268	ND	69	69	ug/Kg	2	01/20/17	AW	SW8082A

QA/QC Surrogates

% DCBP	91			%	2	01/20/17	AW	40 - 140 %
% TCMX	65			%	2	01/20/17	AW	40 - 140 %

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	2	01/23/17	CE	SW8081B
4,4' -DDE	ND	2.1	2.1	ug/Kg	2	01/23/17	CE	SW8081B
4,4' -DDT	ND	2.1	2.1	ug/Kg	2	01/23/17	CE	SW8081B
a-BHC	ND	6.9	6.9	ug/Kg	2	01/23/17	CE	SW8081B
a-Chlordane	68	3.4	3.4	ug/Kg	2	01/23/17	CE	SW8081B
Aldrin	ND	3.4	3.4	ug/Kg	2	01/23/17	CE	SW8081B
b-BHC	ND	6.9	6.9	ug/Kg	2	01/23/17	CE	SW8081B
Chlordane	730	170	170	ug/Kg	10	01/23/17	CE	SW8081B
d-BHC	ND	6.9	6.9	ug/Kg	2	01/23/17	CE	SW8081B
Dieldrin	28	3.4	3.4	ug/Kg	2	01/23/17	CE	SW8081B
Endosulfan I	ND	6.9	6.9	ug/Kg	2	01/23/17	CE	SW8081B
Endosulfan II	ND	6.9	6.9	ug/Kg	2	01/23/17	CE	SW8081B
Endosulfan sulfate	ND	6.9	6.9	ug/Kg	2	01/23/17	CE	SW8081B
Endrin	ND	6.9	6.9	ug/Kg	2	01/23/17	CE	SW8081B
Endrin aldehyde	ND	6.9	6.9	ug/Kg	2	01/23/17	CE	SW8081B
Endrin ketone	ND	6.9	6.9	ug/Kg	2	01/23/17	CE	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	01/23/17	CE	SW8081B
g-Chlordane	140	17	17	ug/Kg	10	01/23/17	CE	SW8081B
Heptachlor	ND	6.9	6.9	ug/Kg	2	01/23/17	CE	SW8081B
Heptachlor epoxide	ND	6.9	6.9	ug/Kg	2	01/23/17	CE	SW8081B
Methoxychlor	ND	34	34	ug/Kg	2	01/23/17	CE	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	01/23/17	CE	SW8081B

QA/QC Surrogates

% DCBP	84			%	2	01/23/17	CE	40 - 140 %
% TCMX	81			%	2	01/23/17	CE	40 - 140 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	3.4	0.69	ug/Kg	1	01/21/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	3.4	0.69	ug/Kg	1	01/21/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	3.4	0.69	ug/Kg	1	01/21/17	JLI	SW8260C
1,1-Dichloroethane	ND	3.4	0.69	ug/Kg	1	01/21/17	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloroethene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
1,1-Dichloropropene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	3.4	0.69	ug/Kg	1	01/21/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	3.4	0.69	ug/Kg	1	01/21/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	3.4	0.69	ug/Kg	1	01/21/17	JLI	SW8260C
1,2-Dibromoethane	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
1,2-Dichloroethane	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
1,2-Dichloropropane	ND	3.4	0.69	ug/Kg	1	01/21/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
1,3-Dichloropropane	ND	3.4	0.69	ug/Kg	1	01/21/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
2,2-Dichloropropane	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
2-Chlorotoluene	ND	3.4	0.69	ug/Kg	1	01/21/17	JLI	SW8260C
2-Hexanone	ND	17	3.4	ug/Kg	1	01/21/17	JLI	SW8260C
2-Isopropyltoluene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
4-Chlorotoluene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	17	3.4	ug/Kg	1	01/21/17	JLI	SW8260C
Acetone	4.5	JS 17	3.4	ug/Kg	1	01/21/17	JLI	SW8260C
Acrylonitrile	ND	6.9	0.69	ug/Kg	1	01/21/17	JLI	SW8260C
Benzene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
Bromobenzene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
Bromochloromethane	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
Bromodichloromethane	ND	3.4	0.69	ug/Kg	1	01/21/17	JLI	SW8260C
Bromoform	ND	3.4	0.69	ug/Kg	1	01/21/17	JLI	SW8260C
Bromomethane	ND	3.4	1.4	ug/Kg	1	01/21/17	JLI	SW8260C
Carbon Disulfide	ND	3.4	0.69	ug/Kg	1	01/21/17	JLI	SW8260C
Carbon tetrachloride	ND	3.4	0.69	ug/Kg	1	01/21/17	JLI	SW8260C
Chlorobenzene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
Chloroethane	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
Chloroform	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
Chloromethane	ND	3.4	0.69	ug/Kg	1	01/21/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
Dibromochloromethane	ND	3.4	0.69	ug/Kg	1	01/21/17	JLI	SW8260C
Dibromomethane	ND	3.4	0.69	ug/Kg	1	01/21/17	JLI	SW8260C
Dichlorodifluoromethane	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
Ethylbenzene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
Hexachlorobutadiene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
Isopropylbenzene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
m&p-Xylene	1.1	J 3.4	0.69	ug/Kg	1	01/21/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	21	3.4	ug/Kg	1	01/21/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	6.9	0.69	ug/Kg	1	01/21/17	JLI	SW8260C
Methylene chloride	ND	3.4	3.4	ug/Kg	1	01/21/17	JLI	SW8260C
Naphthalene	ND	3.4	0.69	ug/Kg	1	01/21/17	JLI	SW8260C
n-Butylbenzene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
n-Propylbenzene	ND	3.4	0.69	ug/Kg	1	01/21/17	JLI	SW8260C
o-Xylene	ND	3.4	0.69	ug/Kg	1	01/21/17	JLI	SW8260C
p-Isopropyltoluene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
sec-Butylbenzene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
Styrene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
tert-Butylbenzene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
Tetrachloroethene	ND	3.4	0.69	ug/Kg	1	01/21/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	6.9	1.7	ug/Kg	1	01/21/17	JLI	SW8260C
Toluene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	6.9	1.7	ug/Kg	1	01/21/17	JLI	SW8260C
Trichloroethene	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
Trichlorofluoromethane	ND	3.4	0.69	ug/Kg	1	01/21/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
Vinyl chloride	ND	3.4	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	97			%	1	01/21/17	JLI	70 - 130 %
% Bromofluorobenzene	102			%	1	01/21/17	JLI	70 - 130 %
% Dibromofluoromethane	103			%	1	01/21/17	JLI	70 - 130 %
% Toluene-d8	89			%	1	01/21/17	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	52	28	ug/kg	1	01/21/17	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	97			%	1	01/21/17	JLI	70 - 130 %
% Bromofluorobenzene	102			%	1	01/21/17	JLI	70 - 130 %
% Toluene-d8	89			%	1	01/21/17	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	14	0.69	ug/Kg	1	01/21/17	JLI	SW8260C
Acrolein	ND	14	1.7	ug/Kg	1	01/21/17	JLI	SW8260C
Acrylonitrile	ND	14	0.34	ug/Kg	1	01/21/17	JLI	SW8260C
Tert-butyl alcohol	ND	69	14	ug/Kg	1	01/21/17	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	1	01/18/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	240	100	ug/Kg	1	01/18/17	DD	SW8270D
1,2-Dichlorobenzene	ND	240	97	ug/Kg	1	01/18/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	240	110	ug/Kg	1	01/18/17	DD	SW8270D
1,3-Dichlorobenzene	ND	240	100	ug/Kg	1	01/18/17	DD	SW8270D
1,4-Dichlorobenzene	ND	240	100	ug/Kg	1	01/18/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	1	01/18/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	170	110	ug/Kg	1	01/18/17	DD	SW8270D
2,4-Dichlorophenol	ND	170	120	ug/Kg	1	01/18/17	DD	SW8270D
2,4-Dimethylphenol	ND	240	86	ug/Kg	1	01/18/17	DD	SW8270D
2,4-Dinitrophenol	ND	240	240	ug/Kg	1	01/18/17	DD	SW8270D
2,4-Dinitrotoluene	ND	170	140	ug/Kg	1	01/18/17	DD	SW8270D
2,6-Dinitrotoluene	ND	170	110	ug/Kg	1	01/18/17	DD	SW8270D
2-Chloronaphthalene	ND	240	98	ug/Kg	1	01/18/17	DD	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2-Chlorophenol	ND	240	98	ug/Kg	1	01/18/17	DD	SW8270D
2-Methylnaphthalene	ND	240	100	ug/Kg	1	01/18/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	1	01/18/17	DD	SW8270D
2-Nitroaniline	ND	240	240	ug/Kg	1	01/18/17	DD	SW8270D
2-Nitrophenol	ND	240	220	ug/Kg	1	01/18/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	1	01/18/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	170	160	ug/Kg	1	01/18/17	DD	SW8270D
3-Nitroaniline	ND	350	690	ug/Kg	1	01/18/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	210	69	ug/Kg	1	01/18/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	1	01/18/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	1	01/18/17	DD	SW8270D
4-Chloroaniline	ND	280	160	ug/Kg	1	01/18/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	1	01/18/17	DD	SW8270D
4-Nitroaniline	ND	350	120	ug/Kg	1	01/18/17	DD	SW8270D
4-Nitrophenol	ND	350	160	ug/Kg	1	01/18/17	DD	SW8270D
Acenaphthene	ND	240	100	ug/Kg	1	01/18/17	DD	SW8270D
Acenaphthylene	ND	240	97	ug/Kg	1	01/18/17	DD	SW8270D
Acetophenone	ND	240	110	ug/Kg	1	01/18/17	DD	SW8270D
Aniline	ND	280	280	ug/Kg	1	01/18/17	DD	SW8270D
Anthracene	ND	240	110	ug/Kg	1	01/18/17	DD	SW8270D
Benz(a)anthracene	ND	240	120	ug/Kg	1	01/18/17	DD	SW8270D
Benzidine	ND	350	200	ug/Kg	1	01/18/17	DD	SW8270D
Benzo(a)pyrene	ND	170	110	ug/Kg	1	01/18/17	DD	SW8270D
Benzo(b)fluoranthene	ND	240	120	ug/Kg	1	01/18/17	DD	SW8270D
Benzo(ghi)perylene	ND	240	110	ug/Kg	1	01/18/17	DD	SW8270D
Benzo(k)fluoranthene	ND	240	110	ug/Kg	1	01/18/17	DD	SW8270D
Benzoic acid	ND	1700	690	ug/Kg	1	01/18/17	DD	SW8270D
Benzyl butyl phthalate	ND	240	89	ug/Kg	1	01/18/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	240	95	ug/Kg	1	01/18/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	170	93	ug/Kg	1	01/18/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	240	96	ug/Kg	1	01/18/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	240	99	ug/Kg	1	01/18/17	DD	SW8270D
Carbazole	ND	170	140	ug/Kg	1	01/18/17	DD	SW8270D
Chrysene	ND	240	120	ug/Kg	1	01/18/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	170	110	ug/Kg	1	01/18/17	DD	SW8270D
Dibenzofuran	ND	240	100	ug/Kg	1	01/18/17	DD	SW8270D
Diethyl phthalate	ND	240	110	ug/Kg	1	01/18/17	DD	SW8270D
Dimethylphthalate	ND	240	110	ug/Kg	1	01/18/17	DD	SW8270D
Di-n-butylphthalate	ND	240	92	ug/Kg	1	01/18/17	DD	SW8270D
Di-n-octylphthalate	ND	240	89	ug/Kg	1	01/18/17	DD	SW8270D
Fluoranthene	ND	240	110	ug/Kg	1	01/18/17	DD	SW8270D
Fluorene	ND	240	110	ug/Kg	1	01/18/17	DD	SW8270D
Hexachlorobenzene	ND	170	100	ug/Kg	1	01/18/17	DD	SW8270D
Hexachlorobutadiene	ND	240	130	ug/Kg	1	01/18/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	240	110	ug/Kg	1	01/18/17	DD	SW8270D
Hexachloroethane	ND	170	100	ug/Kg	1	01/18/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	110	ug/Kg	1	01/18/17	DD	SW8270D
Isophorone	ND	170	97	ug/Kg	1	01/18/17	DD	SW8270D
Naphthalene	ND	240	99	ug/Kg	1	01/18/17	DD	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Nitrobenzene	ND	170	120	ug/Kg	1	01/18/17	DD	SW8270D
N-Nitrosodimethylamine	ND	240	97	ug/Kg	1	01/18/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	170	110	ug/Kg	1	01/18/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	240	130	ug/Kg	1	01/18/17	DD	SW8270D
Pentachloronitrobenzene	ND	240	130	ug/Kg	1	01/18/17	DD	SW8270D
Pentachlorophenol	ND	210	130	ug/Kg	1	01/18/17	DD	SW8270D
Phenanthrene	ND	240	99	ug/Kg	1	01/18/17	DD	SW8270D
Phenol	ND	240	110	ug/Kg	1	01/18/17	DD	SW8270D
Pyrene	ND	240	120	ug/Kg	1	01/18/17	DD	SW8270D
Pyridine	ND	240	85	ug/Kg	1	01/18/17	DD	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	57			%	1	01/18/17	DD	30 - 130 %
% 2-Fluorobiphenyl	71			%	1	01/18/17	DD	30 - 130 %
% 2-Fluorophenol	45			%	1	01/18/17	DD	30 - 130 %
% Nitrobenzene-d5	56			%	1	01/18/17	DD	30 - 130 %
% Phenol-d5	49			%	1	01/18/17	DD	30 - 130 %
% Terphenyl-d14	71			%	1	01/18/17	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 Quantitation) ND=Not Detected BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

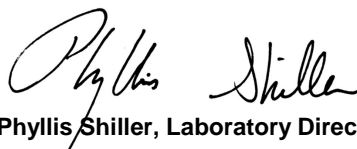
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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.

S - Laboratory solvent, contamination is possible.

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

January 24, 2017

Reviewed and Released by: Ethan Lee, Project Manager

Tuesday, January 24, 2017

Criteria: NY: 375, 375GWP, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

GBX31966 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BX31966	\$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	5.0	2.4	3.3	3.3	ug/Kg
BX31966	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.29	0.03	0.18	0.18	mg/Kg
BX31966	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	114	0.8	63	63	mg/Kg
BX31967	\$PESTSMDPR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	17	3.5	5	5	ug/Kg
BX31967	\$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	60	2.1	3.3	3.3	ug/Kg
BX31967	\$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	23	10	3.3	3.3	ug/Kg
BX31972	\$PESTSMDPR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	28	3.4	5	5	ug/Kg

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



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NY Temperature Narration

January 24, 2017

SDG I.D.: GBX31966

The samples in this delivery group were received at 3°C.
(Note acceptance criteria is above freezing up to 6°C)

