842-848 FLUSHING AVENUE

BROOKLYN, NEW YORK 11206

Remedial Investigation Report

OER Site Number: 19TMP0033K, 19EH-N113K

Prepared for:

GW Green LLC
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Prepared by:

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LIST OF ACRONYMS

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

CERTIFICATION

I, Chawinie Reilly, 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 842-848 Flushing Avenue, Brooklyn, NY, (OER Project Number 19EH-N113K). 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.

Chawinie Reilly	1/17/2019	
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 842-848 Flushing Avenue in the Bushwick section of Brooklyn, New York, and is currently identified as Block 3138, Lots 20 and 22 on the New York City Tax Map. The Site is comprised of two contiguous lots located at the southeastern corner of the intersection between Flushing Avenue to the north and Garden Street to the west. Combined, the two lots consist of an irregular-shaped parcel with 80.83 linear feet of street frontage along Flushing Avenue and 120.83 linear feet of street frontage along Garden Street for a total size of approximately 5,575 ft^2. The Site is bordered by residential buildings to the north (across Flushing Avenue) east, and south; and a playground to the west across Garden Street.

The lots are currently developed with two, 1-story auto repair shops and one, 1-story storage facility. All of the on-Site buildings are currently vacant and are built on-grade with no basement.

Summary of Proposed Redevelopment Plan

The proposed development will consist of demolishing the existing structure and combining the two lots into Lot 20. The proposed future use of the Site will consist of a new 4-story mixed-use commercial and residential building, with a full cellar and penthouse, consisting of 72 ft of street frontage along Flushing Avenue and 106.5 ft of street frontage along Garden Street. The cellar area for the new building will be excavated to a depth of approximately 12 feet below grade surface (bgs) across the entirety of the Site. The proposed development is a full build out of the Site.

The cellar floor will be occupied by commercial storage space, sprinkler room, janitor's room, gas meter room, electrical room, compactor room, mechanical room and residential storage rooms. The 1st floor will consist of bicycle parking, recreation space, one residential unit, one

commercial unit and a ventilated 10-car garage. The 2nd through 4th floors, and penthouse, will be occupied by residential units.

The current zoning designation is R6A with a commercial overlay (C2-4). The proposed use is consistent with existing zoning for the property.

The total tonnage of soil to be excavated is anticipated to be 3,716 tons. Groundwater was detected at 8 to 13 feet at the Site, and therefore is expected to be encountered during excavation activities.

Summary of Past Uses of Site and Areas of Concern

A Phase I Environmental Site Assessment Report was competed by EBC in September 2017. The following Site history was established based on historic Sanborn maps and city directory listings:
The Site was developed with three buildings including two, 1-story auto repair shops and one, 1-story storage facility, all built above a slab-on-grade foundation, and two concrete-paved parking/storage areas at the northern and western portions of the property. The storage facility and the auto repair shop located on the northwestern portion of the Site were constructed between 1918 and 1947 while the remaining auto repair shop was constructed between 2007 and 2017. Sanborn fire insurance maps indicated the use of the Site as an "Auto Greaser" and/or "Auto Repair" from at least 1947 to 2007. A review of city directories identified the Site as a gasoline service station from at least 1945 through 1955 and again from 1982 through 1992.

EBC identified the following Recognized Environmental Concern (REC):

- Information obtained from various historical information sources revealed that the Site was occupied by one or more auto repair shops and/or service stations from at least 1947 to the present. In addition, the Site was identified on the HIST AS database as operating from at least 1987 through 2014. Given the long-term historical use of the property for auto repair/service station, historic site operations may have resulted in spills/releases

which have the potential to have impacted the subsurface. As such, the historic use of the Site is considered a REC.

- The 1947 through 1981 Sanborn maps depict the presence of three gasoline tanks at the northwestern portion of the Site. No information regarding the current status of the USTs, closure reports and/or soil quality in the vicinity of the USTs was available for review. As such, there is a potential for spills or release from these tanks to have impacted the subsurface. Therefore, the USTs are considered a REC.

Summary of the Work Performed under the Remedial Investigation

EBC performed the following scope of work at the Site in November of 2017 and 2018:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed six soil borings across the Site and collected ten soil sample for chemical analysis from the soil borings in November 2017, and later installed five soil borings across the Site, and collected ten soil samples for chemical analysis from the soil borings in November 2018;
3. Installed three groundwater monitoring wells across the Site to establish groundwater flow and collected two groundwater samples in November 2017, and later installed two groundwater monitoring wells across the Site, and collected two groundwater samples and one duplicate groundwater sample for chemical analysis to evaluate groundwater quality in November 2018; and
4. Installed five soil gas implants and collected five soil gas samples for chemical analysis in November 2018.

Summary of Environmental Findings

1. The elevation of the Site is approximately 14 feet.
2. Depth to groundwater is located at 8 to 13 feet below sidewalk grade.
3. Groundwater flow is generally toward the northeast.
4. Depth to bedrock is at the Site is greater than 100 feet.

5. The stratigraphy of the Site consists of up to 3 feet of urban fill consisting of a mix of asphalt, concrete, brick, silt and sand, underlain by native gray-brown-black silty sand, with some clay.
6. Soil/fill samples results were compared to New York State Department of Environmental Conservation (NYSDEC) Unrestricted Use and Restricted Residential Use Soil Cleanup Objectives (UUSCOs and RRSCOs) as presented in 6NYCRR Part 375-6.8 and CP51. Soil/fill samples showed the following:
    - Trace concentrations of several VOCs were detected in the November 2017 and November 2018 samples, none of which were detected above UUSCOs, with the exception of acetone, which was detected above UUSCOs in the November 2017 samples SB1(0-5') and SB3 (0-5') at a maximum concentration of 83 µg/Kg.
    - The SVOCs benzo(k)fluoranthene (maximum [max.] 1,300 µg/Kg) and chrysene (max. 1,700 µg/Kg) were detected above their UUSCOs in two November 2018 soil samples at the 5- to 7-foot interval and within the soil duplicate. Benzo(k)fluoranthene (at 8,800 µg/Kg) and chrysene (13,000 µg/Kg) were detected above their RRSCOs in the November 2017 SB6 (0-5') sample. Several additional SVOCs, including benz(a)anthracene (max. 11,000 µg/Kg), benzo(a)pyrene (max. 10,000 µg/Kg), benzo(b)fluoranthene (max. 9,200 µg/Kg), dibenz(a,h)anthracene (at 1,200 µg/Kg) and/or indeno(1,2,3-cd)pyrene (max. 5,300 µg/Kg) were detected above RRSCOs in the November 2017 SB6 (0-5') sample, two November 2018 soil samples at the 5- to 7-foot interval, and within the soil duplicate.
    - No PCBs were detected in any soil samples.
    - The pesticides 4,4'-DDD (at 12 µg/Kg), 4,4'-DDE (max. 22 µg/Kg), 4,4'-DDT (max. 77 µg/Kg), and dieldrin (max. 22 µg/Kg) were detected above their respective UUSCOs in the November 2018 samples. No pesticides were identified at concentrations above RRSCOs.
    - Several metals, including arsenic (max. 29.8 mg/Kg), chromium (max. 38.6 mg/Kg), copper (max. 9,440 mg/Kg), lead (max. 737 mg/Kg), mercury (max 0.39 mg/Kg), and zinc (max. 3,510 mg/Kg) exceeded their Unrestricted Use

SCOs in the November 2017 and November 2018 samples. Of these metals, copper and zinc also exceeded RRSCOs in the November 2017 shallow soils, and arsenic and lead exceeded RRSCOs in the November 2018 shallow soils. Barium was detected in the November 2018 soil duplicate at a concentration of 1,020 mg/Kg, above RRSCOs, yet was not detected above UUSCOs in any other soil sample.

- Overall, the soil results were consistent with data identified at sites with urban fill material in NYC.

7. Groundwater sample results were compared to New York State 6NYCRR Part 703.5 Class GA groundwater quality standards (GQS). Groundwater samples showed the following:
    - Several VOCs were detected at trace concentrations in the November 2017 and November 2018 samples, though none of them were identified above their respective GQS.
    - SVOCs were identified above the GQS in the November 2018 sample 18MW1, including benz(a)anthracene (0.24 µg/L), benzo(a)pyrene (0.16 µg/L), benzo(b)fluoranthene (0.25 µg/L), benzo(k)fluoranthene (0.18 µg/L), chrysene (0.27 µg/L), and indeno(1,2,3-cd)pyrene (0.2 µg/L).
    - No PCBs were detected in any groundwater samples.
    - The pesticide dieldrin was identified above the GQS in the November 2018 sample 18MW2 at a concentration of 0.009 µg/L.
    - Several metals, including chromium (max. 0.4 mg/L), iron (max. 5.85 mg/L), magnesium (at 56.6 mg/L), manganese (at 1.12 mg/L), selenium (at 0.023 mg/L), and sodium (max. 188 mg/L) exceeded their respective GQS in dissolved samples taken in November 2018.
8. Soil vapor samples collected during the RI were compared to the vapor intrusion matrices in the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion dated October 2006. No soil vapor samples were collected during the November 2017 Phase II Investigation. Soil vapor samples collected during the November 2018 RI showed elevated levels of petroleum-related VOCs and chlorinated VOCs. The total concentration of petroleum-related VOCs (BTEX) ranged from 46.06

µg/m^3 to 97.43 µg/m^3. Overall, the highest reported concentration was for acetone (max. of 149 µg/m^3). The chlorinated VOCs tetrachloroethene (PCE) was detected in all soil gas samples at concentrations ranging from 6.52 µg/m^3 to 113 µg/m^3. Trichloroethene (TCE) was detected in four of the five soil gas samples at concentrations ranging from 0.35 µg/m^3 to 3.79 µg/m^3. The chlorinated VOC, carbon tetrachloride was detected in all five samples at concentrations ranging from 0.21 µg/m^3 to 0.45 µg/m^3. 1,1,1-trichloroethane (TCA) was detected in one of the five soil gas samples at a concentration of 1.36 µg/m^3. The chlorinated VOCs 1,1-dicloroethene, cis-1,2-dichloroethene and vinyl chloride were not detected in any of the samples. Concentrations of PCE and TCE are detected above the NYSDOH monitoring levels. No additional concentrations are above the monitoring level ranges established within the NYSDOH soil vapor guidance matrix.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

GW Green, LLC has applied to enroll in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 4,500 ft^2 Site located at 842-848 Flushing Avenue in the Bushwick section of Brooklyn, New York. The Site will be redeveloped with a new 4-story mixed-use commercial and residential building. The RI work was performed between November 1, 2018 and November 12, 2018. 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 842-848 Flushing Avenue in the Bushwick section of Brooklyn, New York, and is currently identified as Block 3138, Lots 20 and 22 on the New York City Tax Map. The Site is comprised of two contiguous lots located at the southeastern corner of the intersection between Flushing Avenue to the north and Garden Street to the west. Combined, the two lots consist of an irregular-shaped parcel with 80.83 linear feet of street frontage along Flushing Avenue and 120.83 linear feet of street frontage along Garden Street for a total size of approximately 5,575 ft^2. The Site is bordered by residential buildings to the north (across Flushing Avenue) east, and south; and a playground to the west across Garden Street.

The lots are currently developed with two, 1-story auto repair shops and one, 1-story storage facility. All of the on-Site buildings are currently vacant and are built on-grade with no basement.

1.2 Proposed Redevelopment Plan

The proposed development will consist of demolishing the existing structure and combining the two lots into Lot 20. The proposed future use of the Site will consist of a new 4-story mixed-use commercial and residential building, with a full cellar and penthouse, consisting of 72 ft of street frontage along Flushing Avenue and 106.5 ft of street frontage along Garden Street. The cellar area for the new building will be excavated to a depth of approximately 12 feet below grade

surface (bgs) across the entirety of the Site. The proposed development is a full build out of the Site.

The cellar floor will be occupied by commercial storage space, sprinkler room, janitor's room, gas meter room, electrical room, compactor room, mechanical room and residential storage rooms. The 1st floor will consist of bicycle parking, recreation space, one residential unit, one commercial unit and a ventilated 10-car garage. The 2nd through 4th floors, and penthouse, will be occupied by residential units.

The current zoning designation is R6A with a commercial overlay (C2-4). The proposed use is consistent with existing zoning for the property.

The total tonnage of soil to be excavated is anticipated to be 3,716 tons. Groundwater was detected at 8 to 13 feet at the Site, and therefore is expected to be encountered during excavation activities.

1.3 Description of Surrounding Property

The Site is bordered by a residential building to the north across Flushing Avenue; residential buildings to the east; residential buildings to the south; and a playground to the west across Garden Street. 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. One school, PS 120 Carlos Tapia, was identified adjacent to the southeast across Garden Street. No additional schools, daycare facilities or hospitals are located within a 500 ft radius of the Site.

Surrounding Property Usage

Direction	Property Description
North – Across Flushing Avenue	Block 3129 Lot 1 (130 Moore Street) A 660,675 sq ft lot developed with a housing complex (Bushwick Houses)
South – Adjacent	Block 3138 Lot 18 (17 Garden Street) An 1,875 sq ft lot developed with a 3-story residential building
East – Adjacent Property	Block 3138 Lot 23 (850 Flushing Avenue) A 2,100 sq ft lot developed with a 3-story residential building
West – Across Garden Street	Block 3137 Lot 26 (40 Beaver Street)) A 105,000 sq ft lot developed with a playground and school (PS 120 Carlos Tapia)

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2.0 SITE HISTORY

2.1 Past Uses and Ownership

A Phase I Environmental Site Assessment Report was competed by EBC in September 2017. The following Site history was established based on historic Sanborn maps and city directory listings:

The Site was developed with three buildings including two, 1-story auto repair shops and one, 1-story storage facility, all built above a slab-on-grade foundation, and two concrete-paved parking/storage areas at the northern and western portions of the property. The storage facility and the auto repair shop located on the northwestern portion of the Site were constructed between 1918 and 1947 while the remaining auto repair shop was constructed between 2007 and 2017. Sanborn fire insurance maps indicated the use of the Site as an "Auto Greaser" and/or "Auto Repair" from at least 1947 to 2007. A review of city directories identified the Site as a gasoline service station from at least 1945 through 1955 and again from 1982 through 1992.

2.2 Previous Investigations

A Phase II Subsurface Investigation was performed by EBC in November of 2017.

EBC installed six soil borings (SB1-SB6) and three groundwater monitoring wells (MW1-MW3) to collect representative samples from across the Site. Soil borings SB2-4 and S6 were installed to a depth of 10 feet below grade and SB1 and SB5 were installed to a depth of 3 and 4 feet below grade, respectively, before hitting refusal. Soil borings were installed with GeoprobeTM direct push equipment and sampled with 5-foot dual tube system using disposable acetate liners. Soil was characterized by an Environmental Professional and field screened for the presence of volatile organic compounds (VOCs) using a photo-ionization detector (PID). Historic fill consisting of a mix of asphalt, concrete, brick, silt and sand was noted to a depth of 3 feet below grade.

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MW1 was installed to a depth of 20 feet below grade while MW2 and MW3 were installed to a depth of 15 feet below grade. Monitoring wells were constructed on 1" PVC with 10 feet of 0.10 slotted screen set to intersect the water table. Groundwater samples were collected from each monitoring well utilizing a peristaltic pump with a stainless steel check valve and dedicated polyethylene tubing. A groundwater sample was not collected from MW3 because the well was dry.

Samples were collected from the 0- to 5-foot interval and, when applicable, from the deepest sample just above the water table, approximately at the 5- to 7-foot interval. Collected samples were appropriately packaged, placed in coolers and shipped via laboratory dispatched courier for delivery 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). Soil and groundwater samples were analyzed for one or more of the following depending on location and depth: volatile organic compounds (VOCs) by USEPA Method 8260; shallow soil samples were additionally analyzed for semi-volatile organic compounds (SVOCs) by USEPA Method 8270; and Target Analyte List metals by USEPA Method 6010.

Shallow soil samples generally contained elevated levels of SVOCs and metals which were above Unrestricted Use and Restricted Residential SCOs. No VOCs were detected above Unrestricted Use SCOs with the exception of acetone, which was detected above standards in two shallow soil samples.

Depth to groundwater was noted to be 7 feet below grade. Two groundwater samples were collected and analyzed for VOCs. Several compounds were detected, though none were above their respective GQS.

The Phase II investigation is presented in Attachment A.

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2.3 Site Inspection

A site inspection was conducted by Sean Igoe from EBC on November 15, 2017. During the time of EBC's inspection, the Site was developed with a vacant single-story commercial building. Evidence of de minimis staining from the historic use of the Site was observed, and there were no signs of dumping, stressed vegetation, or other items of concern.

2.4 Areas of Concern

Recognized Environmental Concerns (RECs) identified for the Site include:

1. Information obtained from various historical information sources revealed that the Site was occupied by one or more auto repair shops and/or service stations from at least 1947 to the present. In addition, the Site was identified on the HIST AS database as operating from at least 1987 through 2014. Given the long-term historical use of the property for auto repair/service station, historic site operations may have resulted in spills/releases which have the potential to have impacted the subsurface. As such, the historic use of the Site is considered a REC.
2. The 1947 through 1981 Sanborn maps depict the presence of three gasoline tanks at the northwestern portion of the Site. No information regarding the current status of the USTs, closure reports and/or soil quality in the vicinity of the USTs was available for review. As such, there is a potential for spills or release from these tanks to have impacted the subsurface. Therefore, the USTs are considered a REC. The potential presence and location of these USTs was confirmed via a geophysical survey conducted on November 1, 2017, where an area indicative of underground gasoline tanks was identified in the approximate location of the gasoline tanks depicted on the Sanborn maps. This area is identified as the "Potential UST Location" on Figures 2, 5, 6, 7 and 8.

The Phase I Report is presented in Appendix A.

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3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Chawinie Reilly.

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.

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4.0 REMEDIAL INVESTIGATION ACTIVITIES

EBC performed the following scope of work at the Site in November of 2017 and 2018:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed six soil borings across the Site and collected ten soil sample for chemical analysis from the soil borings in November 2017, and later installed five soil borings across the Site, and collected ten soil samples for chemical analysis from the soil borings in November 2018;
3. Installed three groundwater monitoring wells across the Site to establish groundwater flow and collected two groundwater samples in November 2017, and later installed two groundwater monitoring wells across the Site, and collected two groundwater samples and one duplicate groundwater sample for chemical analysis to evaluate groundwater quality in November 2018; and
4. Installed five soil gas implants and collected five soil gas samples for chemical analysis in November 2018.

4.1 Geophysical Investigation

A geophysical survey was performed on November 1, 2017 by NOVA Geophysical Services (NOVA) on the northwestern portion of Lot 20 to evaluate the presence of gasoline tanks associated with the Site. A GPR system consists of a radar control unit, control cable and a transducer (antenna). The control unit transmits a trigger pulse at a normal repetition rate of 250 MHz. The trigger pulse is sent to the transmitter electronics in the transducer via the control cable. The transmitter electronics amplify the trigger pulses into bipolar pulses that are radiated to the surface. The transformed pulses vary in shape and frequency according to the transducer used. In the subsurface, variations of the signal occur at boundaries where there is a dielectric contrast (void, steel, soil type, etc.).

Signal reflections travel back to the control unit and are represented as color graphic images for interpolation. The equipment selected for this investigation was a Noggin 250 MHz ground penetrating radar (GPR) shielded antenna and 3M DYNATL.

The survey identified one area along Garden Street which appeared to be indicative of an underground tank. No other suspect underground structures were identified during the survey.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

On November 1, 2017, six soil borings (SB1 through SB6) were installed by EBC in the approximate locations shown on Figure 5 during the Phase II Investigation. On November 6, 2018, five soil borings (18SB1 through 18SB5) were installed by EBC in the approximate locations shown on Figure 5. The soil boring locations were chosen to gain representative soil quality information across the Site.

At borings SB1 through SB4, SB6 and 18SB1 through 18SB5, soil samples were collected continuously from grade to a final depth of 10 feet below sidewalk grade using a five-foot steel macro core sampler, all with acetate liners and Geoprobe direct-push equipment. SB1 hit refusal and reached a final depth of 3 feet below grade. At boring SB5, soil samples were collected continuously from grade to a final depth of 4 feet below sidewalk grade using a stainless steel hand auger. 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. Low PID readings were detected in SB1, 18SB3 and 18SB4, with the highest PID reading reaching 28.4 ppm.

One soil sample was retained from the November 2017 soil borings SB1 and SB5 representing the 0-5 feet below grade intervals and two soil samples were retained from the November 2017 soil borings SB2, SB3, SB4 and SB6, representing the 0-5 feet and 5-7 feet below grade intervals. Two soil samples were retained from each November 2018 soil boring representing the 2-4 feet and 5-7 feet below grade intervals. The 2017 sample intervals were chosen to characterize the urban fill at the Site along with soil above the water table. The 2018 sample intervals were chosen to clarify the urban fill contaminants and run a full analysis on soil above the water table.

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

Three temporary 1-inch diameter PVC monitoring wells (MW1, MW2 and MW3) and two temporary 1-inch diameter PVC monitoring wells (18MW1 and 18MW2) were installed at the approximate locations shown on Figure 5, with 10 feet of 0.010 slot screen set to intersect the water table. Since groundwater was encountered between approximately 7 to 13 feet below grade, monitoring wells were installed to a depth of 15 feet. MW3, previously constructed as part of the November 2017 Phase II Investigation, remained in good condition and a proposed well (18MW3) was not installed during the November 2018 RI. Monitoring well sampling details are provided in Table 1. Monitoring well locations are shown in Figure 5.

Survey

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

Water Level Measurement

Approximate groundwater level measurements were collected using a Solinst oil/water interface meter to ensure the surface of the water table was within the screened section of the monitoring well. No free product was observed within the three monitoring wells. Water level data is included in Table 1 and ranged from 7 feet, detected during the November 2017 investigation, and 13 feet, detected during the November 2018 investigation.

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

Ten soil samples were collected for chemical analysis during the November 2017 Phase II Investigation and ten soil samples and one duplicate were collected for chemical analysis during the November 2018 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 the November 2017 Phase II Investigation and November 2018 RI. Laboratories and analytical methods for soil samples collected during the November 2017 Phase II Investigation and November 2018 RI are shown below.

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

Groundwater Sampling

Two groundwater samples were collected for chemical analysis during the November 2017 Phase II Investigation and two groundwater samples and one duplicate sample were collected for chemical analysis during the November 2018 RI. An attempt was made to collect a sample from MW3; however, the well ran dry during purging and EBC was unable to collect a sample. OER was notified and the two groundwater samples were collected from the monitoring wells utilizing dedicated polyethylene tubing and a peristaltic pump. The groundwater samples were collected in pre-cleaned, laboratory supplied glassware, stored in a cooler with ice and submitted to Phoenix for analysis of VOCs by EPA Method 8260, SVOCs by EPA Method 8270, pesticides/PCBs by EPA Methods 8081/8082 and TAL metals (total). Groundwater sample collection data is reported in Table 6, 7, and 8. Sampling logs with information on purging and

sampling of groundwater monitoring wells are included in Appendix C. Figure 5 shows the location of groundwater sampling. Laboratories and analytical methods are shown below.

Soil Vapor Sampling

No soil vapor sample were collected during the November 2017 Phase II Investigation, and five soil vapor probes were collected for chemical analysis during the November 2018 RI. The soil vapor sampling locations are shown in Figure 5. Soil vapor sample collection data is reported in Table 9, 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.*

The soil vapor probes were installed using Geoprobe™ equipment and tooling. The approximate location of each of the soil vapor probes is shown on Figure 5. The vapor probes installed were the Geoprobe™ Model AT86 series, which are constructed of a 6-inch length of double woven stainless steel wire. The soil vapor probes were installed to a depth of 6 feet below grade as groundwater was encountered at 7 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 soil vapor probes was conducted on November 7, 2018. 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 ft by 1 ft square sheet of 2 mil HDPE plastic firmly adhered to a wetted layer of granular bentonite. The seal was then tested by enriching the air space above the seal with a tracer gas (helium) while continuously monitoring air drawn from the implant with a helium detector (Dielectric Model

MGD-2002, Multi-Gas Detector) for a minimum of 15 minutes. The tracer gas test procedure was employed at all five soil vapor sampling locations. No surface seal leaks were observed at any of the locations.

Following verification that the surface seal was tight, one to three volumes (i.e., the volume of the sample probe and tube) of air was purged from the implant using a calibrated vacuum pump. After purging, a 6-liter Summa® canister, fitted with a 2-hour flow regulator, was attached to the surface tube of each of the three vapor implants. Prior to initiating sample collection, sample identification, canister number, date and start time were recorded on tags attached to each canister and in a bound field note book. Sampling then proceeded by fully opening the flow control valve on each canister in turn. Immediately after opening the flow control valve on a canister, the initial vacuum (inches of mercury) was recorded in the field book and on the sample tag. When the vacuum level in the canister was between 5 and 8 inches of mercury (approx 2 hours), the flow controller valve was closed, and the final vacuum recorded in the field notebook and on the sample tag.

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

Chemical Analysis

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

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

	• PCBs by EPA Method 8082A (rev. 2000); Soil vapor analytical methods: • VOCs by TO-15 VOC parameters.

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Tables 2 through 9. 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 surrounding the existing foundation slab from the surface down consists of up to 3 feet of urban fill consisting of a mix of asphalt, concrete, brick, silt and sand, underlain by native gray-brown-black silty sand, with some clay.

Hydrogeology

A table of water level data for the monitoring wells is included in Table 1. The depth to groundwater is between 7 to 13.35 feet below grade. Groundwater flow is generally towards the northeast based on a review of topographical maps and site groundwater survey.

5.2 Soil Chemistry

Soil/fill samples results were compared to New York State Department of Environmental Conservation (NYSDEC) Unrestricted Use and Restricted Residential Use Soil Cleanup Objectives (UUSCOs and RRSCOs) as presented in 6NYCRR Part 375-6.8 and CP51. Soil/fill samples showed the following:

- Trace concentrations of several VOCs were detected in the November 2017 and November 2018 samples, none of which were detected above UUSCOs, with the exception of acetone, which was detected above UUSCOs in the November 2017 samples SB1(0-5') and SB3 (0-5') at a maximum concentration of 83 µg/Kg.
- The SVOCs benzo(k)fluoranthene (maximum [max.] 1,300 µg/Kg) and chrysene (max. 1,700 µg/Kg) were detected above their UUSCOs in two November 2018 soil samples at the 5- to 7-foot interval and within the soil duplicate. Benzo(k)fluoranthene (at 8,800 µg/Kg) and chrysene (13,000 µg/Kg) were detected above their RRSCOs in the November 2017 SB6 (0-5') sample. Several additional SVOCs, including benz(a)anthracene (max. 11,000 µg/Kg), benzo(a)pyrene (max. 10,000 µg/Kg), benzo(b)fluoranthene (max. 9,200 µg/Kg), dibenz(a,h)anthracene (at 1,200 µg/Kg) and/or indeno(1,2,3-cd)pyrene (max. 5,300 µg/Kg) were detected above RRSCOs in the November 2017 SB6 (0-5') sample, two November 2018 soil samples at the 5- to 7-foot interval, and within the soil duplicate.

- No PCBs were detected in any soil samples.
- The pesticides 4,4'-DDD (at 12 µg/Kg), 4,4'-DDE (max. 22 µg/Kg), 4,4'-DDT (max. 77 µg/Kg), and dieldrin (max. 22 µg/Kg) were detected above their respective UUSCOs in the November 2018 samples. No pesticides were identified at concentrations above RRSCOs.
- Several metals, including arsenic (max. 29.8 mg/Kg), chromium (max. 38.6 mg/Kg), copper (max. 9,440 mg/Kg), lead (max. 737 mg/Kg), mercury (max 0.39 mg/Kg), and zinc (max. 3,510 mg/Kg) exceeded their Unrestricted Use SCOs in the November 2017 and November 2018 samples. Of these metals, copper and zinc also exceeded RRSCOs in the November 2017 shallow soils, and arsenic and lead exceeded RRSCOs in the November 2018 shallow soils. Barium was detected in the November 2018 soil duplicate at a concentration of 1,020 mg/Kg, above RRSCOs, yet was not detected above UUSCOs in any other soil sample.
- Overall, the soil results were consistent with data identified at sites with urban fill material in NYC.

5.3 Groundwater Chemistry

Groundwater sample results were compared to New York State 6NYCRR Part 703.5 Class GA groundwater quality standards (GQS). Groundwater samples showed the following:

- Several VOCs were detected at trace concentrations in the November 2017 and November 2018 samples, though none of them were identified above their respective GQS.
- SVOCs were identified above the GQS in the November 2018 sample 18MW1, including benz(a)anthracene (0.24 µg/L), benzo(a)pyrene (0.16 µg/L), benzo(b)fluoranthene (0.25 µg/L), benzo(k)fluoranthene (0.18 µg/L), chrysene (0.27 µg/L), and indeno(1,2,3-cd)pyrene (0.2 µg/L).
- No PCBs were detected in any groundwater samples.
- The pesticide dieldrin was identified above the GQS in the November 2018 sample 18MW2 at a concentration of 0.009 µg/L.

- Several metals, including chromium (max. 0.4 mg/L), iron (max. 5.85 mg/L), magnesium (at 56.6 mg/L), manganese (at 1.12 mg/L), selenium (at 0.023 mg/L), and sodium (max. 188 mg/L) exceeded their respective GQS in dissolved samples taken in November 2018.

5.4 Soil Vapor Chemistry

Soil vapor samples collected during the RI were compared to the vapor intrusion matrices in the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion dated October 2006. No soil vapor samples were collected during the November 2017 Phase II Investigation. Soil vapor samples collected during the November 2018 RI showed elevated levels of petroleum-related VOCs and chlorinated VOCs. The total concentration of petroleum-related VOCs (BTEX) ranged from 46.06 $\mu g/m^3$ to 97.43 $\mu g/m^3$. The highest concentrations of BTEX compounds were detected for toluene (max. of 46.7 $\mu g/m^3$). The chlorinated VOCs carbon tetrachloride and tetrachloroethene (PCE) were detected in all soil gas samples at a maximum concentration of 0.45 $\mu g/m^3$ and 113 $\mu g/m^3$, respectively. Trichloroethene (TCE) was detected in four of the five soil gas sample at a maximum concentration of 3.79 $\mu g/m^3$. 1,1,1-trichloroethane (TCA) was detected in one of the five soil gas samples at a concentration of 1.36 $\mu g/m^3$. PCE was detected above the NYSDOH monitoring levels within 18SV2 and 18SV3, and TCE was detected above the NYSDOH monitoring levels within 18SV2. No additional concentrations are above the monitoring level ranges established within the NYSDOH soil vapor guidance matrix.

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

842-848 Flushing Avenue
Brooklyn, New York

Table 1
Soil Boring / Well Information

SAMPLE ID	Date	Total Depth (ft)	Diameter (in)	Construction Materials	Screen Length (ft)	DTW (ft)
18SB1	11/6/2018	10	2	Geoprobe	-	-
18SB2	11/6/2018	10	2	Geoprobe	-	-
18SB3	11/6/2018	10	2	Geoprobe	-	-
18SB4	11/6/2018	10	2	Geoprobe	-	-
18SB5	11/6/2018	10	2	Geoprobe	-	-
18MW1	11/6/2018	15	1	PVC	10	8.00
18MW2	11/6/2018	15	1	PVC	10	13.35

TABLE 2
842-848 Flushing Avenue
Brooklyn, New York
Soil Analytical Results
Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	2017 Phase II Investigation																			
			SB1		SB2				SB3				SB4				SB5		SB6			
			(0-5') 11/1/2017 µg/Kg		(0-') 11/1/2017 µg/Kg		(5-7') 11/1/2017 µg/Kg		(0-5') 11/1/2017 µg/Kg		(5-7') 11/1/2017 µg/Kg		(0-5') 11/1/2017 µg/Kg		(5-7') 11/1/2017 µg/Kg		(0-5') 11/2/2017 µg/Kg		(0-5') 11/1/2017 µg/Kg		(5-7') 11/1/2017 µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachlorothane			<17	17	<17	17	<16	16	<25	25.0	<17	17	<19	19	<15	15	< 5.2	5.2	<18	18	<18	18
1,1,1-Trichloroethane	680	100,000	< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
1,1,2,2-Tetrachloroethane			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
1,1,2-Trichloroethane			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
1,1-Dichloroethane	270	26,000	< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
1,1-Dichloroethene	330	100,000	< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
1,1-Dichloropropene			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
1,2,3-Trichlorobenzene			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
1,2,3-Trichloropropane			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
1,2,4-Trichlorobenzene			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
1,2,4-Trimethylbenzene	3,600	52,000	**0.93**	4.3	< 4.2	4.2	< 4.1	4.1	**110**	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	**0.79**	5.2	< 4.4	4.4	< 4.4	4.4
1,2-Dibromo-3-chloropropane			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
1,2-Dibromomethane			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
1,2-Dichlorobenzene	1,100	100,000	< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
1,2-Dichloroethane	20	3,100	< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
1,2-Dichloropropane			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
1,3,5-Trimethylbenzene	8,400	52,000	**0.72**	4.3	< 4.2	4.2	< 4.1	4.1	**41**	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
1,3-Dichlorobenzene	2,400	4,900	< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
1,3-Dichloropropane			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
1,4-Dichlorobenzene	1,800	13,000	< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
2,2-Dichloropropane			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
2-Chlorotoluene			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
2-Hexanone (Methyl Butyl Ketone)			< 22	22	< 21	21	< 21	21	< 31	31	< 22	22	< 23	23	< 19	19	< 26	26	< 22	22	< 22	22
2-Isopropyltoluene			**2.6**	4.3	< 4.2	4.2	< 4.1	4.1	**0.68**	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
4-Chlorotoluene			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
4-Methyl-2-Pentanone			< 22	22	< 21	21	< 21	21	< 31	31	< 22	22	< 23	23	< 19	19	< 26	26	< 22	22	< 22	22
Acetone	50	100,000	**83**	22	**6.5**	21	**5.5**	21	**54**	31	< 22	22	< 23	23	< 19	19	**22**	26	**4.7**	22	< 22	22
Acrolein			<17	17	<17	17	<16	16	<25	25.0	<17	17	<19	19	<15	15	<21	21	<18	18	<18	18
Acrylonitrile			<17	17	<17	17	<16	16	<25	25	<17	17	<19	19	<15	15	< 10	10	<18	18	<18	18
Benzene	60	4,800	**0.45**	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Bromobenzene			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Bromochloromethane			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Bromodichloromethane			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Bromoform			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Bromomethane			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Carbon Disulfide			**1.6**	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Carbon tetrachloride	760	2,400	< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Chlorobenzene	1,100	100,000	< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Chloroethane			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Chloroform	370	49,000	< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Chloromethane			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
cis-1,2-Dichloroethene	250	100,000	< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
cis-1,3-Dichloropropene			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Dibromochloromethane			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Dibromomethane			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Dichlorodifluoromethane			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Ethylbenzene	1,000	41,000	< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	**1.9**	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Hexachlorobutadiene			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Isopropylbenzene			**0.89**	4.3	< 4.2	4.2	< 4.1	4.1	**2.3**	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
m&p-Xylenes	260	100,000	**1.4**	4.3	**1.1**	4.2	< 4.1	4.1	**10**	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	**1.2**	5.2	< 4.4	4.4	< 4.4	4.4
Methyl Ethyl Ketone (2-Butanone)	120	100,000	< 26	26	< 25	25	< 25	25	**56**	37	< 26	26	< 28	28	< 23	23	< 31	31	< 26	26	< 26	26
Methyl t-butyl ether (MTBE)	930	100,000	< 8.7	8.7	< 8.4	8.4	< 8.2	8.2	< 12	12	< 8.7	8.7	< 9.3	9.3	< 7.5	7.5	< 10	10	< 8.8	8.8	< 8.8	8.8
Methylene chloride	50	100,000	< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Naphthalene	12,000	100,000	**2.8**	4.3	**110**	360	< 4.1	4.1	**25**	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
n-Butylbenzene	12,000	100,000	**3**	4.3	< 4.2	4.2	< 4.1	4.1	**3.5**	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
n-Propylbenzene	3,900	100,000	**2.1**	4.3	< 4.2	4.2	< 4.1	4.1	**7.9**	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
o-Xylene	260	100,000	**0.9**	4.3	< 4.2	4.2	< 4.1	4.1	**12**	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
p-Isopropyltoluene			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	**1.6**	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
sec-Butylbenzene	11,000	100,000	**7.6**	4.3	< 4.2	4.2	< 4.1	4.1	**2.6**	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Styrene			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
tert-Butyl alcohol			<87	87	<84	84	<82	82	<120	120	<87	87	<93	93	<75	75	<100	100	<88	88	<88	88
tert-Butylbenzene	5,900	100,000	**0.68**	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Tetrachloroethene	1,300	19,000	**1.6**	4.3	**150**	130	**2.6**	4.1	**100**	370	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Tetrahydrofuran (THF)			**3**	8.7	< 8.4	8.4	< 8.2	8.2	< 12	12	< 8.7	8.7	< 9.3	9.3	< 7.5	7.5	< 10	10	< 8.8	8.8	< 8.8	8.8
Toluene	700	100,000	**0.47**	4.3	< 4.2	4.2	< 4.1	4.1	**9.8**	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	**0.8**	5.2	< 4.4	4.4	< 4.4	4.4
trans-1,2-Dichloroethene	190	100,000	< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
trans-1,3-Dichloropropene			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
trabs-1,4-dichloro-2-butene			< 8.7	8.7	< 8.4	8.4	< 8.2	8.2	< 12	12	< 8.7	8.7	< 9.3	9.3	< 7.5	7.5	< 10	10	< 8.8	8.8	< 8.8	9
Trichloroethene	470	21,000	1.1	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Trichlorofluoromethane			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Trichlorotrifluoroethane			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Vinyl Chloride	20	900	< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
1,4-dioxane	9,800	13,000	<65	65	<63	63	<62	62	<92	92	<65	65	<70	70	<56	56	<77	77	<66	66	<66	
Total BTEX Concentration			0		0		0		0		0		0		0		2		0		0	
Total VOCs Concentration			83		110		5.5		110		0		0		0		24.79		4.7		0	

RL - Reporting Limit

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

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

TABLE 2
842-848 Flushing Avenue
Brooklyn, New York
Soil Analytical Results
Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	2018 RI Investigation																					
			18SB1				18SB2				18SB3				18SB4				18SB5				Soil Duplicate	
			(2-4') 11/6/2018 µg/Kg		(5-7') 11/6/2018 µg/Kg		(2-4') 11/6/2018 µg/Kg		(5-7') 11/6/2018 µg/Kg		(2-4') 11/6/2018 µg/Kg		(5-7') 11/6/2018 µg/Kg		(2-4') 11/6/2018 µg/Kg		(5-7') 11/6/2018 µg/Kg		(2-4') 11/6/2018 µg/Kg		(5-7') 11/6/2018 µg/Kg		11/6/2018 µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachlorothane			<13	13	<21	21	<22	22	<7.0	7.0	<24	24	<37	37	<5.5	5.5	<19	19	<12	12	<6.5	6.5	<38	38
1,1,1-Trichloroethane	680	100,000	< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
1,1,2,2-Tetrachloroethane			< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
1,1,2-Trichloroethane			< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
1,1-Dichloroethane	270	26,000	< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
1,1-Dichloroethene	330	100,000	< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
1,1-Dichloropropene			< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
1,2,3-Trichlorobenzene			< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
1,2,3-Trichloropropane			< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
1,2,4-Trichlorobenzene			< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
1,2,4-Trimethylbenzene	3,600	52,000	< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	**14**	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
1,2-Dibromo-3-chloropropane			< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
1,2-Dibromomethane			< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
1,2-Dichlorobenzene	1,100	100,000	< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
1,2-Dichloroethane	20	3,100	< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
1,2-Dichloropropane			< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
1,3,5-Trimethylbenzene	8,400	52,000	< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	**3.4**	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
1,3-Dichlorobenzene	2,400	4,900	< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
1,3-Dichloropropane			< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
1,4-Dichlorobenzene	1,800	13,000	< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
2,2-Dichloropropane			< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
2-Chlorotoluene			< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
2-Hexanone (Methyl Butyl Ketone)			< 16	16	< 26	26	< 27	27	< 35	35	< 30	30	< 46	46	< 27	27	< 24	24	< 15	15	< 33	33	< 47	47
2-Isopropyltoluene			< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	**1.1**	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
4-Chlorotoluene			< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
4-Methyl-2-Pentanone			< 16	16	< 26	26	< 27	27	< 35	35	< 30	30	< 46	46	< 27	27	< 24	24	< 15	15	< 33	33	< 47	47
Acetone	50	100,000	**19**	16	< 28	28	**37**	27	< 29	29	**35**	27	**10**	28	**17**	27	**46**	24	**9.1**	15	**23**	28	**10**	47
Acrolein			<3.2	3.2	<5.2	5.2	<5.4	5.4	<7.0	7.0	<5.9	5.9	<9.3	9.3	<5.5	5.5	<4.8	4.8	<3.0	3.0	<6.5	6.5	<9.4	9.4
Acrylonitrile			<13	13	<21	21	<22	22	<14	14	<24	24	<37	37	<11	11	<19	19	<12	12	<26	26	<38	38
Benzene	60	4,800	< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	**0.89**	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
Bromobenzene			< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
Bromochloromethane			< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
Bromodichloromethane			< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
Bromoform			< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
Bromomethane			< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
Carbon Disulfide			< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
Carbon tetrachloride	760	2,400	< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
Chlorobenzene	1,100	100,000	< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
Chloroethane			< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
Chloroform	370	49,000	< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
Chloromethane			< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
cis-1,2-Dichloroethene	250	100,000	< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
cis-1,3-Dichloropropene			< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
Dibromochloromethane			< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
Dibromomethane			< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
Dichlorodifluoromethane			< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
Ethylbenzene	1,000	41,000	< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
Hexachlorobutadiene			< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
Isopropylbenzene			< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
m&p-Xylenes	260	100,000	< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
Methyl Ethyl Ketone (2-Butanone)	120	100,000	< 19	19	< 31	31	< 32	32	< 42	42	**9.8**	36	< 56	56	< 33	33	< 29	29	< 18	18	< 39	39	< 57	57
Methyl t-butyl ether (MTBE)	930	100,000	< 6.3	6.3	< 10	10	< 11	11	< 14	14	< 12	12	< 19	19	< 11	11	< 9.7	9.7	< 6.0	6.0	< 13	13	< 19	19
Methylene chloride	50	100,000	< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
Naphthalene	12,000	100,000	< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	**1.7**	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
n-Butylbenzene	12,000	100,000	< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	**4.8**	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
n-Propylbenzene	3,900	100,000	< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
o-Xylene	260	100,000	< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
p-Isopropyltoluene			< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	**2.8**	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
sec-Butylbenzene	11,000	100,000	< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	**3.2**	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
Styrene			< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
tert-Butyl alcohol			<63	63	<100	100	<110	110	<140	140	<120	120	<190	190	<110	110	<97	97	<60	60	<130	130	<190	190
tert-Butylbenzene	5,900	100,000	< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
Tetrachloroethene	1,300	19,000	**78**	330	**2.7**	5.2	**200**	140	**7.9**	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	**6.8**	9.4
Tetrahydrofuran (THF)			< 6.3	6.3	< 10	10	< 11	11	< 14	14	< 12	12	< 19	19	< 11	11	< 9.7	9.7	< 6.0	6.0	< 13	13	< 19	19
Toluene	700	100,000	**0.65**	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	**0.94**	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	**0.96**	6.5	< 9.4	9.4
trans-1,2-Dichloroethene	190	100,000	< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
trans-1,3-Dichloropropene			< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
trabs-1,4-dichloro-2-butene			< 6.3	6.3	< 10	10	< 11	11	< 14	14	< 12	12	< 19	19	< 11	11	< 9.7	9.7	< 6.0	6.0	< 13	13	< 19	19
Trichloroethene	470	21,000	< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
Trichlorofluoromethane			< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
Trichlorotrifluoroethane			< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
Vinyl Chloride	20	900	< 3.2	3.2	< 5.2	5.2	< 5.4	5.4	< 7.0	7.0	< 5.9	5.9	< 9.3	9.3	< 5.5	5.5	< 4.8	4.8	< 3.0	3.0	< 6.5	6.5	< 9.4	9.4
1,4-dioxane	9,800	13,000	<47	47	<78	78	<81	81	<100	100	<89	89	<100	100	<82	82	<73	73	<45	45	<98	98	<100	100
Total BTEX Concentration			0.65		0		0		0.89		0.94		0		0		0		0		0.96		0	
Total VOCs Concentration			97.65		2.7		237		8.79		45.74		10		48		46		9.1		23.96		16.8	

RL - Reporting Limit
Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value
Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value

TABLE 3
842-848 Flushing Avenue
Brooklyn, New York
Soil Analytical Results
Semi-Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	2017 Phase II Investigation												2018 RI Investigation																					
			SB1		SB2		SB3		SB4		SB5		SB6		18SB1				18SB2				18SB3				18SB4				18SB5				Soil Duplicate	
			(0-5') 11/1/2017 µg/Kg		(0-5') 11/1/2017 µg/Kg		(0-5') 11/1/2017 µg/Kg		(0-5') 11/1/2017 µg/Kg		(0-5') 11/2/2017 µg/Kg		(0-5') 11/1/2017 µg/Kg		(2-4') 11/6/2018 µg/Kg		(5-7') 11/6/2018 µg/Kg		(2-4') 11/6/2018 µg/Kg		(5-7') 11/6/2018 µg/Kg		(2-4') 11/6/2018 µg/Kg		(5-7') 11/6/2018 µg/Kg		(2-4') 11/6/2018 µg/Kg		(5-7') 11/6/2018 µg/Kg		(2-4') 11/6/2018 µg/Kg		(5-7') 11/6/2018 µg/Kg		11/6/2018 µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,2,4,5-Tetrachlorobenzene			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260
1,2,4-Trichlorobenzene			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260
1,2-Dichlorobenzene			< 250	250	< 260	260	< 1100	1,100	< 250	250	< 250	250	< 260	260	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260
1,2-Diphenylhydrazine			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260
1,3-Dichlorobenzene			< 250	250	< 260	260	< 2400	2,400	< 250	250	< 250	250	< 260	260	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260
1,4-Dichlorobenzene			< 250	250	< 260	260	< 1800	1,800	< 250	250	< 250	250	< 260	260	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260
2,4,5-Trichlorophenol			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260
2,4,6-Trichlorophenol			< 180	180	< 180	180	< 1800	1,800	< 180	180	< 180	180	< 180	180	< 180	180	< 180	180	< 190	190	< 190	190	< 180	180	< 190	190	< 180	180	< 180	180	< 180	180	< 180	180	< 190	190
2,4-Dichlorophenol			< 180	180	< 180	180	< 1800	1,800	< 180	180	< 180	180	< 180	180	< 180	180	< 180	180	< 190	190	< 190	190	< 180	180	< 190	190	< 180	180	< 180	180	< 180	180	< 180	180	< 190	190
2,4-Dimethylphenol			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260
2,4-Dinitrophenol			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260
2,4-Dinitrotoluene			< 180	180	< 180	180	< 1800	1,800	< 180	180	< 180	180	< 180	180	< 180	180	< 180	180	< 190	190	< 190	190	< 180	180	< 190	190	< 180	180	< 180	180	< 180	180	< 180	180	< 190	190
2,6-Dinitrotoluene			< 180	180	< 180	180	< 1800	1,800	< 180	180	< 180	180	< 180	180	< 180	180	< 180	180	< 190	190	< 190	190	< 180	180	< 190	190	< 180	180	< 180	180	< 180	180	< 180	180	< 190	190
2-Chloronaphthalene			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260
2-Chlorophenol			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260
2-Methylnaphthalene			< 250	250	< 260	260	**1,500**	2,500	< 250	250	< 250	250	**670**	260	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260
2-Methylphenol (o-cresol)	330	100,000	< 250	250	< 260	260	< 1700	1,700	< 250	250	< 250	250	< 260	260	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260
2-Nitroaniline			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260
2-Nitrophenol			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260
3&4-Methylphenol (m&p-cresol)	330	100,000	< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260
3,3'-Dichlorobenzidine			< 180	180	< 180	180	< 1800	1,800	< 180	180	< 180	180	< 180	180	< 180	180	< 180	180	< 190	190	< 190	190	< 180	180	< 190	190	< 180	180	< 180	180	< 180	180	< 180	180	< 190	190
3-Nitroaniline			< 360	360	< 370	370	< 3600	3,600	< 360	360	< 360	360	< 370	370	< 360	360	< 370	370	< 390	390	< 380	380	< 370	370	< 380	380	< 360	360	< 360	360	< 370	370	< 370	370	< 380	380
4,6-Dinitro-2-methylphenol			< 220	220	< 220	220	< 2100	2,100	< 220	220	< 220	220	< 220	220	< 220	220	< 220	220	< 230	230	< 230	230	< 220	220	< 230	230	< 220	220	< 220	220	< 220	220	< 220	220	< 230	230
4-Bromophenyl phenyl ether			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260
4-Chloro-3-methylphenol			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260
4-Chloroaniline			< 290	290	< 290	290	< 2900	2,900	< 290	290	< 290	290	< 300	300	< 290	290	< 290	290	< 310	310	< 300	300	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290	< 300	300	< 300	300
4-Chlorophenyl phenyl ether			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260
4-Nitroaniline			< 360	360	< 370	370	< 3600	3,600	< 360	360	< 360	360	< 370	370	< 360	360	< 370	370	< 390	390	< 380	380	< 370	370	< 380	380	< 360	360	< 360	360	< 370	370	< 370	370	< 380	380
4-Nitrophenol			< 360	360	< 370	370	< 3600	3,600	< 360	360	< 360	360	< 370	370	< 360	360	< 370	370	< 390	390	< 380	380	< 370	370	< 380	380	< 360	360	< 360	360	< 370	370	< 370	370	< 380	380
Acenaphthene	20,000	100,000	< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	**2,000**	260	< 250	250	**350**	260	**240**	270	**120**	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	**120**	260
Acenaphthylene	100,000	100,000	< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	**300**	260	< 250	250	< 260	260	< 270	270	**170**	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	**130**	260
Acetophenone			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260
Aniline			< 290	290	< 290	290	< 2900	2,900	< 290	290	< 290	290	< 300	300	< 290	290	< 290	290	< 310	310	< 300	300	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290	< 300	300	< 300	300
Anthracene	100,000	100,000	< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	**3,200**	260	< 250	250	**580**	260	**400**	270	**380**	260	**190**	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	**320**	260
Benz(a)anthracene	1,000	1,000	**250**	250	**240**	260	< 1200	1,200	< 250	250	**230**	250	**11,000**	2,600	**460**	250	**1,200**	260	**830**	270	**1,400**	260	**540**	260	< 260	260	**220**	250	< 250	250	**190**	260	< 260	260	**1,000**	260
Benzidine			< 360	360	< 370	370	< 3600	3,600	< 360	360	< 360	360	< 370	370	< 360	360	< 370	370	< 390	390	< 380	380	< 370	370	< 380	380	< 360	360	< 360	360	< 370	370	< 370	370	< 380	380
Benzo(a)pyrene	1,000	1,000	**270**	180	**200**	180	< 1200	1,200	< 180	180	**220**	180	**10,000**	1,800	**490**	180	**1,000**	180	**730**	190	**1,400**	190	**500**	180	< 190	190	**230**	180	< 180	180	**190**	180	< 180	180	**980**	190
Benzo(b)fluoranthene	1,000	1,000	**200**	250	**170**	260	< 1200	1,200	< 250	250	**250**	250	**9,200**	2,600	**410**	250	**950**	260	**620**	270	**1,400**	260	**430**	260	< 260	260	**200**	250	< 250	250	**170**	260	< 260	260	**890**	260
Benzo(ghi)perylene	100,000	100,000	**180**	250	< 260	260	< 2500	2,500	< 250	250	**270**	250	**5,000**	260	**340**	250	**610**	260	**410**	270	**870**	260	**290**	260	< 260	260	**160**	250	< 250	250	**150**	260	< 260	260	**580**	260
Benzo(k)fluoranthene	800	3,900	**240**	250	**190**	260	< 1200	1,200	< 250	250	**180**	250	**8,800**	2,600	**400**	250	**900**	260	**640**	270	**1,300**	260	**440**	260	< 260	260	**170**	250	< 250	250	**170**	260	< 260	260	**890**	260
Benzoic acid			< 1800	1,800	< 1800	1,800	< 18000	18,000	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1900	1,900	< 1900	1,900	< 1800	1,800	< 1900	1,900	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1900	1,900
Benzyl butyl phthalate			< 250	250	< 260	260	**2,100**	2,500	< 250	250	< 250	250	< 260	260	< 250	250	< 260	260	**500**	270	**240**	260	**150**	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260
Bis(2-chloroethoxy)methane			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260
Bis(2-chloroethyl)ether			< 180	180	< 180	180	< 1800	1,800	< 180	180	< 180	180	< 180	180	< 180	180	< 180	180	< 190	190	< 190	190	< 180	180	< 190	190	< 180	180	< 180	180	< 180	180	< 180	180	< 190	190
Bis(2-chloroisopropyl)ether			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260
Bis(2-ethylhexyl)phthalate			< 250	250	< 260	260	**2,300**	2,500	< 250	250	< 250	250	< 260	260	< 250	250	< 260	260	**860**	270	**340**	260	**190**	260	**140**	260	< 250	250	< 250	250	< 260	260	< 260	260	**200**	260
Carbazole			< 180	180	< 180	180	< 1800	1,800	< 180	180	< 180	180	**1,200**	180	< 180	180	**300**	180	**250**	190	**230**	190	< 180	180	< 190	190	< 180	180	< 180	180	< 180	180	< 180	180	**220**	190
Chrysene	1,000	3,900	**250**	250	**250**	260	< 1200	1,200	< 250	250	**240**	250	**13,000**	2,600	**510**	250	**1,400**	260	**860**	270	**1,700**	260	**570**	260	< 260	260	**240**	250	< 250	250	**210**	260	< 260	260	**1,100**	260
Dibenz(a,h)anthracene	330	330	< 180	180	< 180	180	< 1200	1,200	< 180	180	< 180	180	**1,200**	180	< 180	180	**150**	180	< 190	190	**260**	190	< 180	180	< 190	190	< 180	180	< 180	180	< 180	180	< 180	180	**200**	190
Dibenzofuran	7,000	59,000	< 250	250	< 260	260	< 1000	1,000	< 250	250	< 250	250	**1,500**	260	< 250	250	**170**	260	**160**	270	< 260	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260
Diethyl phthalate			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260
Dimethylphthalate			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260	< 250	250	< 260	260	< 270	270	< 260	260	**310**	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260
Di-n-butylphthalate			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260
Di-n-octylphthalate			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260
Fluoranthene	100,000	100,000	**290**	250	**550**	260	< 2500	2,500	< 250	250	**400**	250	**26,000**	2,600	**700**	250	**2,500**	260	**1,800**	270	**2,500**	260	**1,100**	260	**160**	260	**430**	250	< 250	250	**360**	260	< 260	260	**2,000**	260
Fluorene	30,000	100,000	< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	**1,700**	260	< 250	250	**310**	260	**240**	270	< 260	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260
Hexachlorobenzene			< 180	180	< 180	180	< 1000	1,000	< 180	180	< 180	180	< 180	180	< 180	180	< 180	180	< 190	190	< 190	190	< 180	180	< 190	190	< 180	180	< 180	180	< 180	180	< 180	180	< 190	190
Hexachlorobutadiene			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260
Hexachlorocyclopentadiene			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260
Hexachloroethane			< 180	180	< 180	180	< 1800	1,800	< 180	180	< 180	180	< 180	180	< 180	180	< 180	180	< 190	190	< 190	190	< 180	180	< 190	190	< 180	180	< 180	180	< 180	180	< 180	180	< 190	190
Indeno(1,2,3-cd)pyrene	500	500	**190**	250	**130**	260	< 1200	1,200	< 250	250	**230**	250	**5,300**	260	**330**	250	**660**	260	**470**	270	**960**	260	**310**	260	< 260	260	**150**	250	< 250	250	**130**	260	< 260	260	**580**	260
Isophorone			**220**	180	**180**	180	< 1800	1,800	< 180	180	< 180	180	< 180	180	< 2200	2,200	< 180	180	< 190	190	< 190	190	< 1800	1,800	< 190	190	< 360	360	< 180	180	< 180	180	< 180	180	< 190	190
Naphthalene	12,000	100,000	< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	**970**	260	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260
Nitrobenzene			< 180	180	< 180	180	< 1800	1,800	< 180	180	< 180	180	< 180	180	< 180	180	< 180	180	< 190	190	< 190	190	< 180	180	< 190	190	< 180	180	< 180	180	< 180	180	< 180	180	< 190	190
N-Nitrosodimethylamine			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260
N-Nitrosodi-n-propylamine			< 180	180	< 180	180	< 1800	1,800	< 180	180	< 180	180	< 180	180	< 180	180	< 180	180	< 190	190	< 190	190	< 180	180	< 190	190	< 180	180	< 180	180	< 180	180	< 180	180	< 190	190
N-Nitrosodiphenylamine			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260
Pentachloronitrobenzene			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260
Pentachlorophenol	800	6,700	< 220	220	< 220	220	< 1400	1,400	< 220	220	< 220	220	< 220	220	< 220	220	< 220	220	< 230	230	< 230	230	< 220	220	< 230	230	< 220	220	< 220	220	< 220	220	< 220	220	< 230	230
Phenanthrene	100,000	100,000	**160**	250	**450**	260	< 2500	2,500	< 250	250	**250**	250	**25,000**	2,600	**350**	250	**3,000**	260	**2,100**	270	**1,600**	260	**770**	260	**150**	260	**240**	250	< 250	250	**200**	260	< 260	260	**1,400**	260
Phenol	330	100,000	< 250	250	< 260	260	< 1100	1,100	< 250	250	< 250	250	< 260	260	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260
Pyrene	100,000	100,000	**320**	250	**470**	260	< 2500	2,500	< 250	250	**360**	250	**28,000**	2,600	**850**	250	**2,200**	260	**1,500**	270	**2,300**	260	**1,000**	260	**140**	260	**480**	250	< 250	250	**390**	260	< 260	260	**1,800**	260
Pyridine			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260	< 260	260	< 250	250	< 250	250	< 260	260	< 260	260	< 260	260

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

TABLE 4
842-848 Flushing Avenue
Brooklyn, New York
Soil Analytical Results
Pesticides PCBs

	COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	2018 RI Investigation																					
				18SB1				18SB2				18SB3				18SB4				18SB5				Soil Duplicate	
				(2-4') 11/6/2018 µg/Kg		(5-7') 11/6/2018 µg/Kg		(2-4') 11/6/2018 µg/Kg		(5-7') 11/6/2018 µg/Kg		(2-4') 11/6/2018 µg/Kg		(5-7') 11/6/2018 µg/Kg		(2-4') 11/6/2018 µg/Kg		(5-7') 11/6/2018 µg/Kg		(2-4') 11/6/2018 µg/Kg		(5-7') 11/6/2018 µg/Kg		11/6/2018 µg/Kg	
				Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Pesticides	4,4' -DDD	3.3	13,000	< 2.2	2.2	< 2.2	2.2	< 2.4	2.4	**12**	2.3	< 2.2	2.2	< 2.2	2.2	< 2.1	2.1	< 2.1	2.1	< 2.2	2.2	< 2.2	2.2	< 3.0	3.0
	4,4' -DDE	3.3	8,900	< 2.2	2.2	< 2.2	2.2	< 2.4	2.4	**21**	2.3	**10**	2.2	**8.8**	2.2	< 2.1	2.1	< 2.1	2.1	< 2.2	2.2	< 2.2	2.2	**22**	2.2
	4,4' -DDT	3.3	7,900	< 2.2	2.2	< 2.2	2.2	**9.8**	2.4	**77**	2.3	**39**	2.2	**54**	2.2	< 2.1	2.1	< 2.1	2.1	< 2.2	2.2	< 2.2	2.2	**65**	2.2
	a-BHC	20	480	< 7.4	7.4	< 7.5	7.5	< 7.8	7.8	< 7.6	7.6	< 7.3	7.3	< 7.4	7.4	< 7.2	7.2	< 7.1	7.1	< 7.3	7.3	< 7.4	7.4	< 7.5	7.5
	a-Chlordane	94	4,200	< 3.7	3.7	< 3.7	3.7	**5.3**	3.9	**9.4**	3.8	**8.4**	3.6	**20**	3.7	< 3.6	3.6	< 3.6	3.6	< 3.6	3.6	< 3.7	3.7	< 3.7	3.7
	Aldrin	5	97	< 3.7	3.7	< 3.7	3.7	< 3.9	3.9	< 3.8	3.8	< 3.6	3.6	< 3.7	3.7	< 3.6	3.6	< 3.6	3.6	< 3.6	3.6	< 3.7	3.7	< 3.7	3.7
	b-BHC	36	360	< 7.4	7.4	< 7.5	7.5	< 7.8	7.8	< 7.6	7.6	< 7.3	7.3	< 7.4	7.4	< 7.2	7.2	< 7.1	7.1	< 7.3	7.3	< 7.4	7.4	< 7.5	7.5
	Chlordane	94	4,200	< 37	37	< 37	37	**26**	16	**39**	23	**43**	36	**70**	37	< 36	36	< 36	36	< 36	36	< 37	37	**31**	30
	d-BHC	40	100,000	< 7.4	7.4	< 7.5	7.5	< 7.8	7.8	< 7.6	7.6	< 7.3	7.3	< 7.4	7.4	< 7.2	7.2	< 7.1	7.1	< 7.3	7.3	< 7.4	7.4	< 7.5	7.5
	Dieldrin	5	200	< 3.7	3.7	< 3.7	3.7	< 3.9	3.9	**8.5**	3.8	**4.4**	3.6	**22**	3.7	< 3.6	3.6	< 3.6	3.6	< 3.6	3.6	< 3.7	3.7	**10**	3.7
	Endosulfan I	2,400	24,000	< 7.4	7.4	< 7.5	7.5	< 7.8	7.8	< 7.6	7.6	< 7.3	7.3	< 7.4	7.4	< 7.2	7.2	< 7.1	7.1	< 7.3	7.3	< 7.4	7.4	< 7.5	7.5
	Endosulfan II	2,400	24,000	< 7.4	7.4	< 7.5	7.5	< 7.8	7.8	< 7.6	7.6	< 7.3	7.3	< 7.4	7.4	< 7.2	7.2	< 7.1	7.1	< 7.3	7.3	< 7.4	7.4	< 7.5	7.5
	Endosulfan sulfate	2,400	24,000	< 7.4	7.4	< 7.5	7.5	< 7.8	7.8	< 7.6	7.6	< 7.3	7.3	< 7.4	7.4	< 7.2	7.2	< 7.1	7.1	< 7.3	7.3	< 7.4	7.4	< 7.5	7.5
	Endrin	14	11,000	< 7.4	7.4	< 7.5	7.5	< 7.8	7.8	< 7.6	7.6	< 7.3	7.3	< 7.4	7.4	< 7.2	7.2	< 7.1	7.1	< 7.3	7.3	< 7.4	7.4	< 7.5	7.5
	Endrin aldehyde			< 7.4	7.4	< 7.5	7.5	< 7.8	7.8	< 7.6	7.6	< 7.3	7.3	< 7.4	7.4	< 7.2	7.2	< 7.1	7.1	< 7.3	7.3	< 7.4	7.4	< 7.5	7.5
	Endrin ketone			< 7.4	7.4	< 7.5	7.5	< 7.8	7.8	< 7.6	7.6	< 7.3	7.3	< 7.4	7.4	< 7.2	7.2	< 7.1	7.1	< 7.3	7.3	< 7.4	7.4	< 7.5	7.5
	g-BHC			< 1.5	1.5	< 1.5	1.5	< 1.6	1.6	< 1.5	1.5	< 1.5	1.5	< 1.5	1.5	< 1.4	1.4	< 1.4	1.4	< 1.5	1.5	< 1.5	1.5	< 1.5	1.5
	g-Chlordane			< 3.7	3.7	< 3.7	3.7	**4.5**	3.9	**5.5**	3.8	**7**	3.6	**12**	3.7	< 3.6	3.6	< 3.6	3.6	< 3.6	3.6	< 3.7	3.7	< 3.7	3.7
	Heptachlor	42	2,100	< 7.4	7.4	< 7.5	7.5	< 7.8	7.8	< 7.6	7.6	< 7.3	7.3	< 7.4	7.4	< 7.2	7.2	< 7.1	7.1	< 7.3	7.3	< 7.4	7.4	< 7.5	7.5
	Heptachlor epoxide			< 7.4	7.4	< 7.5	7.5	< 7.8	7.8	< 7.6	7.6	< 7.3	7.3	< 7.4	7.4	< 7.2	7.2	< 7.1	7.1	< 7.3	7.3	< 7.4	7.4	< 7.5	7.5
	Methoxychlor			< 37	37	< 37	37	< 39	39	< 38	38	< 36	36	< 37	37	< 36	36	< 36	36	< 36	36	< 37	37	< 37	37
	Toxaphene			< 150	150	< 150	150	< 160	160	< 150	150	< 150	150	< 150	150	< 140	140	< 140	140	< 150	150	< 150	150	< 150	150
PCBs	PCB-1016	100	1,000	< 74	74	< 75	75	< 78	78	< 76	76	< 73	73	< 74	74	< 72	72	< 71	71	< 73	73	< 74	74	< 75	75
	PCB-1221	100	1,000	< 74	74	< 75	75	< 78	78	< 76	76	< 73	73	< 74	74	< 72	72	< 71	71	< 73	73	< 74	74	< 75	75
	PCB-1232	100	1,000	< 74	74	< 75	75	< 78	78	< 76	76	< 73	73	< 74	74	< 72	72	< 71	71	< 73	73	< 74	74	< 75	75
	PCB-1242	100	1,000	< 74	74	< 75	75	< 78	78	< 76	76	< 73	73	< 74	74	< 72	72	< 71	71	< 73	73	< 74	74	< 75	75
	PCB-1248	100	1,000	< 74	74	< 75	75	< 78	78	< 76	76	< 73	73	< 74	74	< 72	72	< 71	71	< 73	73	< 74	74	< 75	75
	PCB-1254	100	1,000	< 74	74	< 75	75	< 78	78	< 76	76	< 73	73	< 74	74	< 72	72	< 71	71	< 73	73	< 74	74	< 75	75
	PCB-1260	100	1,000	< 74	74	< 75	75	< 78	78	< 76	76	< 73	73	< 74	74	< 72	72	< 71	71	< 73	73	< 74	74	< 75	75
	PCB-1262	100	1,000	< 74	74	< 75	75	< 78	78	< 76	76	< 73	73	< 74	74	< 72	72	< 71	71	< 73	73	< 74	74	< 75	75
	PCB-1268	100	1,000	< 74	74	< 75	75	< 78	78	< 76	76	< 73	73	< 74	74	< 72	72	< 71	71	< 73	73	< 74	74	< 75	75

Notes:

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

RL- Reporting Limit

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

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

TABLE 5
842-848 Flushing Avenue
Brooklyn, New York
Soil Analytical Results
Metals

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	2017 Phase II Investigation															
			SB1		SB2		SB3		SB4		SB5		SB6		18SB1			
			(0-5') 11/1/2017 µg/Kg		(0-5') 11/1/2017 µg/Kg		(0-5') 11/1/2017 µg/Kg		(0-5') 11/1/2017 µg/Kg		(0-5') 11/2/2017 µg/Kg		(0-5') 11/1/2017 µg/Kg		(2-4') 11/6/2018 µg/Kg		(5-7') 11/6/2018 µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Aluminum			**10,500**	33	**7,510**	36	**5,260**	38	**7,400**	33	**8,560**	33	**10,800**	35	**7,580**	40	**7,960**	37
Antimony			< 1.7	1.7	< 1.8	1.8	< 1.9	1.9	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 4.0	4.0	< 3.7	3.7
Arsenic	13	16	**5.09**	0.67	**4.02**	0.72	**4.13**	0.75	**2.56**	0.66	**3.52**	0.66	**2.67**	0.70	**29.8**	0.79	**2.77**	0.74
Barium	350	350	**62.1**	0.7	**83.6**	0.7	**105**	0.8	**39.9**	0.7	**117**	0.7	**46.4**	0.7	**130**	0.8	**83**	0.7
Beryllium	7.2	14	**0.42**	0.27	**0.55**	0.29	**0.3**	0.30	**0.51**	0.26	**0.45**	0.26	**0.72**	0.28	**0.35**	0.32	**0.37**	0.30
Cadmium	2.5	2.5	**0.47**	0.33	**0.58**	0.36	**1.16**	0.38	**0.43**	0.33	**0.6**	0.33	**0.53**	0.35	**0.72**	0.40	**0.48**	0.37
Calcium			**19,900**	33	**3,830**	36	**48,600**	38	**1,030**	33	**16100**	33	**1,620**	35	**39,100**	40	**2,270**	3.7
Chromium	30	180	**20.1**	0.33	**14.4**	0.36	**18.9**	0.38	**22**	0.33	**20.9**	0.33	**24.4**	0.35	**38.6**	0.40	**13.9**	0.37
Cobalt			**5.85**	0.33	**6.03**	0.36	**4.77**	0.38	**8.58**	0.33	**6.6**	0.33	**8.62**	0.35	**5.21**	0.40	**5.1**	0.37
Copper	50	270	**123**	0.33	**27.2**	0.36	**9,440**	38	**27.3**	0.33	**35.6**	0.33	**24.9**	0.35	**36.6**	0.8	**18.9**	0.7
Iron			**16,500**	33	**15,200**	36	**14,300**	38	**21,200**	33	**16,600**	33	**26,300**	35	**15,300**	40	**17,400**	37
Lead	63	400	**62.3**	0.7	**107**	0.7	**334**	7.5	**5.1**	0.7	**104**	0.7	**57.5**	0.7	**268**	7.9	**64.9**	0.7
Magnesium			**2,930**	3.3	**1,730**	3.6	**8,040**	38	**1,850**	3.3	**3,160**	3.3	**1,900**	3.5	**3,790**	4.0	**1,710**	3.7
Manganese	1,600	2,000	**333**	3.3	**285**	3.6	**183**	3.8	**418**	3.3	**283**	3.3	**297**	3.5	**307**	4.0	**232**	3.7
Mercury	0.18	0.81	**0.25**	0.03	**0.32**	0.03	**0.15**	0.03	**< 0.03**	0.03	**0.28**	0.03	**0.33**	0.03	**0.36**	0.03	**0.39**	0.03
Nickel	30	140	**12.8**	0.33	**11.5**	0.36	**14.3**	0.38	**12.4**	0.33	**14**	0.33	**12.4**	0.35	**14.5**	0.40	**10.1**	0.37
Potassium			**957**	7	**851**	7	**1,200**	8	**1,460**	7	**1,060**	7	**1,430**	7	**1,110**	8	**767**	7
Selenium	3.9	36	< 1.3	1.3	< 1.4	1.4	< 1.5	1.5	< 1.3	1.3	< 1.3	1.3	< 1.4	1.4	< 1.6	1.6	< 1.5	1.5
Silver	2	36	< 0.33	0.33	< 0.36	0.36	**0.51**	0.38	< 0.33	0.33	< 0.33	0.33	< 0.35	0.35	< 0.40	0.40	< 0.37	0.37
Sodium			**400**	7	**453**	7	**856**	8	**510**	7	**271**	7	**108**	7	**147**	8	**110**	7
Thallium			< 1.3	1.3	< 1.4	1.4	< 1.5	1.5	< 1.3	1.3	< 1.3	1.3	< 1.4	1.4	< 1.6	1.6	< 1.5	1.5
Vanadium			**20.7**	0.33	**23.7**	0.36	**27.4**	0.38	**29.1**	0.33	**26.1**	0.33	**34.2**	0.35	**23.2**	0.40	**23.5**	0.37
Zinc	109	2,200	**94.7**	0.7	**65**	0.7	**3,510**	75	**36.1**	0.7	**107**	0.7	**62.7**	0.7	**314**	7.9	**209**	7.4

Notes:

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

RL- Reporting Limit

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

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

TABLE 5
842-848 Flushing Avenue
Brooklyn, New York
Soil Analytical Results
Metals

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	2018 RI Investigation																	
			18SB2				18SB3				18SB4				18SB5				Soil Duplicate	
			(2-4') 11/6/2018 µg/Kg		(5-7') 11/6/2018 µg/Kg		(2-4') 11/6/2018 µg/Kg		(5-7') 11/6/2018 µg/Kg		(2-4') 11/6/2018 µg/Kg		(5-7') 11/6/2018 µg/Kg		(2-4') 11/6/2018 µg/Kg		(5-7') 11/6/2018 µg/Kg		11/6/2018 µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Aluminum			**8,530**	36	**5,620**	36	**8,250**	36	**4,910**	40	**8,440**	38	**7,120**	33	**9,210**	37	**10,800**	34	**8,640**	35
Antimony			< 3.6	3.6	< 7.8	7.8	< 3.6	3.6	< 4.0	4.0	< 3.8	3.8	< 3.3	3.3	< 3.7	3.7	< 3.4	3.4	< 3.5	3.5
Arsenic	13	16	**4.39**	0.72	**3.52**	0.72	**4.72**	0.72	**4.54**	0.80	**4.84**	0.75	**1.96**	0.66	**2.89**	0.74	**2.59**	0.69	**7.77**	0.69
Barium	350	350	**158**	0.7	**174**	0.7	**142**	0.7	**184**	0.8	**91.2**	0.8	**39.7**	0.7	**74.5**	0.7	**39.6**	0.7	**1,020**	0.7
Beryllium	7.2	14	**0.38**	0.29	**0.3**	0.29	**0.35**	0.29	< 0.32	0.32	**0.77**	0.30	**0.43**	0.27	**0.46**	0.30	**0.52**	0.27	**0.4**	0.28
Cadmium	2.5	2.5	**0.91**	0.36	**1.11**	0.36	**0.44**	0.36	**0.43**	0.40	**1.17**	0.38	**0.4**	0.33	**0.54**	0.37	**0.4**	0.34	**1.32**	0.35
Calcium			**18,500**	36	**9,300**	3.6	**50,300**	36	**41,200**	40	**7,050**	3.8	**849**	3.3	**9,880**	3.7	**3,510**	3.4	**24,200**	35
Chromium	30	180	**18.2**	0.36	**20.1**	0.36	**17.2**	0.36	**12.5**	0.40	**31.2**	0.38	**17.4**	0.33	**20.7**	0.37	**27.2**	0.34	**25.2**	0.35
Cobalt			**6.44**	0.36	**4.93**	0.36	**6.71**	0.36	**2.42**	0.40	**10.5**	0.38	**8.25**	0.33	**7.61**	0.37	**9.36**	0.34	**6.1**	0.35
Copper	50	270	**36.5**	0.7	**40.5**	0.7	**37**	0.7	**14.7**	0.8	**48.8**	0.8	**20.5**	0.7	**22.9**	0.7	**21.6**	0.7	**45.3**	0.7
Iron			**14,700**	36	**27,600**	36	**21,800**	36	**7,310**	4.0	**56,300**	38	**20,700**	33	**21,700**	37	**24,200**	34	**26,200**	35
Lead	63	400	**189**	7.2	**205**	7.2	**114**	0.7	**260**	8.0	**106**	0.8	**6.2**	0.7	**68.3**	0.7	**13.8**	0.7	**737**	6.9
Magnesium			**5,720**	36	**2,620**	3.6	**5,200**	36	**2,240**	4.0	**1,960**	3.8	**1,690**	3.3	**2,820**	3.7	**3,440**	3.4	**3,600**	3.5
Manganese	1,600	2,000	**356**	3.6	**233**	3.6	**273**	3.6	**130**	0.40	**981**	3.8	**444**	3.3	**384**	3.7	**372**	3.4	**326**	3.5
Mercury	0.18	0.81	**0.25**	0.08	**0.25**	0.08	**0.16**	0.03	**0.15**	0.03	**0.31**	0.03	< 0.03	0.03	**0.08**	0.03	< 0.03	0.03	**0.37**	0.07
Nickel	30	140	**14.3**	0.36	**12.7**	0.36	**13.8**	0.36	**8.27**	0.40	**21.8**	0.38	**12.3**	0.33	**13.2**	0.37	**15.3**	0.34	**18**	0.35
Potassium			**1,210**	7	**1,060**	7	**1,250**	7	**1,050**	8	**1,100**	8	**1,360**	7	**1,600**	7	**2,090**	7	**964**	7
Selenium	3.9	36	< 1.4	1.4	< 1.4	1.4	< 1.4	1.4	< 1.6	1.6	< 1.5	1.5	< 1.3	1.3	< 1.5	1.5	< 1.4	1.4	< 1.4	1.4
Silver	2	36	< 0.36	0.36	< 0.36	0.36	< 0.36	0.36	< 0.40	0.40	< 0.38	0.38	< 0.33	0.33	< 0.37	0.37	< 0.34	0.34	< 0.35	0.35
Sodium			**469**	7	**329**	7	**540**	7	**393**	8	**139**	8	**83**	7	**257**	7	**170**	7	**541**	7
Thallium			< 1.4	1.4	< 1.4	1.4	< 1.4	1.4	< 1.6	1.6	< 1.5	1.5	< 1.3	1.3	< 1.5	1.5	< 1.4	1.4	< 1.4	1.4
Vanadium			**25.6**	0.36	**25.1**	0.36	**34.4**	0.36	**10.6**	0.40	**33.3**	0.38	**31.2**	0.33	**32.6**	0.37	**38.9**	0.34	**30.6**	0.35
Zinc	109	2,200	**192**	7.2	**211**	7.2	**698**	7.2	**186**	8.0	**96**	0.8	**27**	0.7	**193**	7.4	**57.3**	0.7	**502**	6.9

Notes:

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

RL- Reporting Limit

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

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

Table 6
842-848 Flushing Avenue
Brooklyn, New York
Ground Water Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards	2017 Phase II Investigation				2018 RI Investigation					
		MW1 11/2/2017 µg/L		MW2 11/2/2017 µg/L		18MW1 11/7/2018 µg/L		18MW2 11/7/2018 µg/L		MW Duplicate 11/7/2018 µg/L	
	µg/L	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
1,1,1,2-Tetrachlorothane	5	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,1-Trichloroethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1,2,2-Tetrachloroethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,2-Trichloroethane	1	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1-Dichloroethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1-Dichloroethene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1-Dichloropropene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,3-Trichlorobenzene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,3-Trichloropropane	0.04	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25
1,2,4-Trichlorobenzene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,4-Trimethylbenzene	5	**0.36**	1.0	**0.27**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2-Dibromo-3-chloropropane	0.04	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
1,2-Dibromoethane		< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25
1,2-Dichlorobenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2-Dichloroethane	0.6	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60
1,2-Dichloropropane	0.94	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3,5-Trimethylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3-Dichlorobenzene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3-Dichloropropane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,4-Dichlorobenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2,2-Dichloropropane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Chlorotoluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Hexanone (Methyl Butyl Ketone)		< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
2-Isopropyltoluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
4-Chlorotoluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
4-Methyl-2-Pentanone		< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Acetone	50	**13**	5.0	**9.5**	5.0	**46**	25	**15**	5.0	**49**	25
Acrolein		< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0	< 5.0	5.0
Acrylonitrile	5	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0	< 5.0	5.0
Benzene	1	**0.28**	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70
Bromobenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromochloromethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromodichloromethane		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromoform		< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Bromomethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Carbon Disulfide	60	**0.29**	1.0	**0.47**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Carbon tetrachloride	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Chlorobenzene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroform	7	**0.44**	5.0	**0.93**	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloromethane	60	**0.34**	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
cis-1,2-Dichloroethene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
cis-1,3-Dichloropropene		< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
Dibromochloromethane		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Dibromomethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Dichlorodifluoromethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Ethylbenzene	5	**0.31**	1.0	**0.68**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Hexachlorobutadiene	0.5	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
Isopropylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
m&p-Xylenes	5	**1.2**	1.0	**2.2**	1.0	**0.48**	1.0	< 1.0	1.0	**0.45**	1.0
Methyl Ethyl Ketone (2-Butanone)	50	**2.7**	2.5	< 2.5	2.5	**5.6**	2.5	< 2.5	2.5	**5.1**	2.5
Methyl t-butyl ether (MTBE)	10	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Methylene chloride	5	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0
Naphthalene	10	**4.8**	1.0	**1.3**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
n-Butylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
n-Propylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
o-Xylene	5	**0.62**	1.0	**1.3**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
p-Isopropyltoluene		< 1.0	1.0	**0.33**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
sec-Butylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Styrene	5	< 1.0	1.0	**1.2**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Tert-butyl alchohol		< 1.0	1.0	< 1.0	1.0	<50	50	<50	50	<50	50
tert-Butylbenzene	5	**0.26**	1.0	**0.83**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Tetrachloroethene	5	< 5.0	5.0	< 5.0	5.0	**0.7**	1.0	< 1.0	1.0	**0.63**	1.0
Tetrahydrofuran (THF)		**1.2**	1.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Toluene	5	< 5.0	5.0	< 5.0	5.0	**0.87**	1.0	**0.27**	1.0	**0.89**	1.0
trans-1,2-Dichloroethene	5	< 0.40	0.40	< 0.40	0.40	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
trans-1,3-Dichloropropene	0.4	< 2.5	2.5	< 2.5	2.5	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
trans-1,4-dichloro-2-butene	5	< 1.0	1.0	< 1.0	1.0	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Trichloroethene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Trichlorofluoromethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Trichlorotrifluoroethane		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Vinyl Chloride	2	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0

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

TABLE 7
842-848 Flushing Avenue
Brooklyn, New York
Groundwater Analytical Results
Semi-Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards µg/L	2018 RI Investigation					
		18MW1 11/7/2018 µg/L		18MW2 11/7/2018 µg/L		MW Duplicate 11/12/2018 µg/L	
		Results	RL	Results	RL	Results	RL
1,2,4-Trichlorobenzene		< 7.9	7.9	< 9.1	9.1	< 8.7	8.7
1,2-Dichlorobenzene		< 1.6	1.6	< 1.8	1.8	< 1.7	1.7
1,2-Diphenylhydrazine		< 7.9	7.9	< 9.1	9.1	< 8.7	8.7
1,3-Dichlorobenzene	3	< 1.6	1.6	< 1.8	1.8	< 1.7	1.7
1,4-Dichlorobenzene		< 1.6	1.6	< 1.8	1.8	< 1.7	1.7
2,4,5-Trichlorophenol	1	< 1.6	1.6	< 1.0	1.0	< 1.0	1.0
2,4,6-Trichlorophenol	1	< 1.6	1.6	< 1.0	1.0	< 1.0	1.0
2,4-Dichlorophenol		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2,4-Dimethylphenol		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2,4-Dinitrophenol	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2,4-Dinitrotoluene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
2,6-Dinitrotoluene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
2-Chloronaphthalene	10	< 7.9	7.9	< 9.1	9.1	< 8.7	8.7
2-Chlorophenol	1	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Methylnaphthalene		< 7.9	7.9	**2.9**	9.1	< 8.7	8.7
2-Methylphenol (o-cresol)	1	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Nitroaniline	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
2-Nitrophenol	1	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
3&4-Methylphenol (m&p-cresol)		< 1.6	1.6	< 1.8	1.8	< 1.7	1.7
3,3'-Dichlorobenzidine	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
3-Nitroaniline	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
4,6-Dinitro-2-methylphenol	1	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
4-Bromophenyl phenyl ether		< 7.9	7.9	< 9.1	9.1	< 8.7	8.7
4-Chloro-3-methylphenol	1	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
4-Chloroaniline	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
4-Chlorophenyl phenyl ether		< 7.9	7.9	< 9.1	9.1	< 8.7	8.7
4-Nitroaniline	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
4-Nitrophenol		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Acenaphthene	20	< 7.9	7.9	< 9.1	9.1	< 8.7	8.7
Acetophenone		< 7.9	7.9	< 9.1	9.1	< 8.7	8.7
Aniline	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Anthracene	50	< 7.9	7.9	< 9.1	9.1	< 8.7	8.7
Benzidine	5	< 5.0	5.0	< 4.6	4.6	< 4.9	4.9
Benzoic acid		**80**	39	**160**	46	< 44	44
Benzyl butyl phthalate	50	< 7.9	7.9	< 9.1	9.1	< 8.7	8.7
Bis(2-chloroethoxy)methane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Bis(2-chloroethyl)ether	1	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bis(2-chloroisopropyl)ether		< 7.9	7.9	< 9.1	9.1	< 8.7	8.7
Carbazole		< 7.9	7.9	< 9.1	9.1	< 8.7	8.7
Dibenzofuran		< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Diethyl phthalate	50	< 7.9	7.9	< 9.1	9.1	< 8.7	8.7
Dimethylphthalate	50	< 7.9	7.9	< 9.1	9.1	< 8.7	8.7
Di-n-butylphthalate	50	< 7.9	7.9	< 9.1	9.1	< 8.7	8.7
Di-n-octylphthalate	50	< 7.9	7.9	< 9.1	9.1	< 8.7	8.7
Fluoranthene	50	< 7.9	7.9	< 9.1	9.1	< 8.7	8.7
Fluorene	50	< 7.9	7.9	< 9.1	9.1	< 8.7	8.7
Hexachlorocyclopentadiene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Isophorone	50	< 7.9	7.9	< 9.1	9.1	< 8.7	8.7
Naphthalene	10	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
N-Nitrosodimethylamine		< 7.9	7.9	< 9.1	9.1	< 8.7	8.7
N-Nitrosodi-n-propylamine		< 7.9	7.9	< 9.1	9.1	< 8.7	8.7
Phenol	50	**1.6**	1.0	< 1.0	1.0	< 1.0	1.0
Pyrene	50	< 7.9	7.9	< 9.1	9.1	< 8.7	8.7
Pyridine	50	< 16	16	< 18	18	< 17	17
1,2,4,5-Tetrachlorobenzene		< 0.79	0.79	< 0.91	0.91	< 0.87	0.87
Acenaphthylene		< 0.16	0.16	< 0.18	0.18	< 0.17	0.17
Benz(a)anthracene	0.002	**0.24**	0.03	< 0.04	0.04	< 0.04	0.04
Benzo(a)pyrene	0.002	**0.16**	0.03	< 0.04	0.04	< 0.04	0.04
Benzo(b)fluoranthene	0.002	**0.25**	0.03	< 0.04	0.04	< 0.04	0.04
Benzo(ghi)perylene		**0.18**	0.03	< 0.04	0.04	< 0.04	0.04
Benzo(k)fluoranthene	0.002	**0.18**	0.03	< 0.04	0.04	< 0.04	0.04
Bis(2-ethylhexyl)phthalate	5	< 1.6	1.6	< 1.8	1.8	< 1.7	1.7
Chrysene	0.002	**0.27**	0.03	< 0.04	0.04	< 0.04	0.04
Dibenz(a,h)anthracene		**0.05**	0.03	< 0.04	0.04	< 0.04	0.04
Hexachlorobenzene	0.04	< 0.03	0.03	< 0.04	0.04	< 0.04	0.04
Hexachlorobutadiene	0.5	< 0.47	0.47	< 0.46	0.46	< 0.49	0.49
Hexachloroethane	5	< 0.79	0.79	< 0.91	0.91	< 0.87	0.87
Indeno(1,2,3-cd)pyrene	0.002	**0.2**	0.03	< 0.04	0.04	< 0.04	0.04
Nitrobenzene	0.4	< 0.16	0.16	< 0.18	0.18	< 0.17	0.17
N-Nitrosodiphenylamine	50	< 0.16	0.16	< 0.18	0.18	< 0.17	0.17
Pentachloronitrobenzene		< 0.16	0.16	< 0.18	0.18	< 0.17	0.17
Pentachlorophenol	1	< 0.16	0.16	< 0.18	0.18	< 0.17	0.17
Phenanthrene	50	**0.45**	0.16	**0.87**	0.18	< 0.17	0.17
1,4-dioxane	50	<100	100	<100	100	<100	100

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

TABLE 8
842-848 Flushing Avenue
Brooklyn, New York
Groundwater Analytical Results
Pesticides/PCBs

	Compound	NYSDEC Groundwater Quality Standards µg/L	2018 RI Investigation					
			18MW1 11/12/2018 µg/L		18MW2 11/12/2018 µg/L		MW Duplicate 11/12/2018 µg/L	
			Results	RL	Results	RL	Results	RL
PCBs	PCB-1016	0.09	< 0.070	0.070	< 0.052	0.052	< 0.085	0.085
	PCB-1221	0.09	< 0.070	0.070	< 0.052	0.052	< 0.085	0.085
	PCB-1232	0.09	< 0.070	0.070	< 0.052	0.052	< 0.085	0.085
	PCB-1242	0.09	< 0.070	0.070	< 0.052	0.052	< 0.085	0.085
	PCB-1248	0.09	< 0.070	0.070	< 0.052	0.052	< 0.085	0.085
	PCB-1254	0.09	< 0.070	0.070	< 0.052	0.052	< 0.085	0.085
	PCB-1260	0.09	< 0.070	0.070	< 0.052	0.052	< 0.085	0.085
	PCB-1262	0.09	< 0.070	0.070	< 0.052	0.052	< 0.085	0.085
	PCB-1268	0.09	< 0.070	0.070	< 0.052	0.052	< 0.085	0.085
Pesticides	4,4-DDD	0.3	< 0.003	0.003	< 0.002	0.002	< 0.003	0.003
	4,4-DDE	0.2	< 0.003	0.003	< 0.002	0.002	< 0.003	0.003
	4,4-DDT	0.11	< 0.003	0.003	< 0.002	0.002	< 0.003	0.003
	a-BHC	0.94	< 0.007	0.007	< 0.005	0.005	< 0.009	0.009
	a-Chlordane		< 0.014	0.014	< 0.010	0.010	< 0.017	0.017
	Alachlor		< 0.10	0.10	< 0.078	0.078	< 0.13	0.13
	Aldrin		< 0.002	0.002	< 0.002	0.002	< 0.003	0.003
	b-BHC	0.04	< 0.007	0.007	< 0.024	0.024	< 0.020	0.020
	Chlordane	0.05	< 0.050	0.050	< 0.050	0.050	< 0.05	0.05
	d-BHC	0.04	< 0.007	0.007	< 0.005	0.005	< 0.009	0.009
	Dieldrin	0.004	< 0.002	0.002	**0.009**	0.002	< 0.003	0.003
	Endosulfan I		< 0.014	0.014	< 0.010	0.010	< 0.017	0.017
	Endosulfan II		< 0.014	0.014	< 0.010	0.010	< 0.017	0.017
	Endosulfan Sulfate		< 0.014	0.014	< 0.010	0.010	< 0.017	0.017
	Endrin		< 0.007	0.007	< 0.005	0.005	< 0.009	0.009
	Endrin aldehyde	5	< 0.014	0.014	< 0.010	0.010	< 0.017	0.017
	Endrin ketone		< 0.014	0.014	< 0.010	0.010	< 0.017	0.017
	gamma-BHC	0.05	< 0.007	0.007	< 0.005	0.005	< 0.009	0.009
	g-Chlordane		< 0.014	0.014	< 0.010	0.010	< 0.017	0.017
	Heptachlor	0.04	< 0.007	0.007	< 0.005	0.005	< 0.009	0.009
	Heptachlor epoxide	0.03	< 0.007	0.007	< 0.005	0.005	< 0.009	0.009
	Methoxychlor	35	< 0.14	0.14	< 0.10	0.10	< 0.17	0.17
	Toxaphene		< 0.28	0.28	< 0.21	0.21	< 0.34	0.34

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

Table 9
842-848 Flushing Avenue
Brooklyn, New York
Groundwater Analytical Results
Total Metals

Compound	NYSDEC Groundwater Quality Standards mg/L	2018 RI Investigation					
		18MW1 11/12/2018 mg/L		18MW2 11/12/2018 mg/L		MW Duplicate 11/12/2018 mg/L	
		Results	RL	Results	RL	Results	RL
Aluminum	NS	**5.28**	0.010	**0.386**	0.010	**4.3**	0.010
Antimony	0.003	< 0.0030	0.0030	< 0.0030	0.0030	< 0.0030	0.0030
Arsenic	0.025	< 0.004	0.004	< 0.004	0.004	**0.008**	0.004
Barium	1	**0.031**	0.010	**0.043**	0.010	**0.044**	0.010
Beryllium	0.003	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001
Cadmium	0.005	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004
Calcium	NS	**104**	0.010	**334**	0.10	**57.8**	0.10
Chromium	0.05	**0.4**	0.001	< 0.001	0.001	**0.06**	0.001
Cobalt	NS	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
Copper	0.2	**0.036**	0.005	**0.008**	0.005	**0.009**	0.005
Iron	0.5	**1.69**	0.01	**0.38**	0.10	**5.85**	0.10
Lead	0.025	**0.01**	0.002	< 0.002	0.002	**0.003**	0.002
Magnesium	35	**0.281**	0.010	**56.6**	0.010	**5.14**	0.010
Manganese	0.3	**0.038**	0.005	**1.12**	0.005	**0.135**	0.005
Mercury	0.0007	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002
Nickel	0.1	< 0.004	0.004	**0.005**	0.004	**0.007**	0.004
Potassium	NS	**7**	0.1	**35.2**	0.1	**8.2**	0.1
Selenium	0.01	< 0.010	0.010	**0.023**	0.010	< 0.010	0.010
Silver	0.05	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
Sodium	2	**51.7**	1.0	**188**	1.0	**88.4**	1.0
Thallium	0.0005	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	0.0005
Vanadium	NS	< 0.010	0.010	< 0.010	0.010	**0.012**	0.010
Zinc	2	0.012	0.010	< 0.010	0.010	**0.016**	0.010

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

TABLE 10
842-848 Flushing Avenue
Brooklyn, New York
Soil Gas - Volatile Organic Compounds

COMPOUNDS	NYSDOH Maximum Sub-Slab Value	NYSDOH Soil Outdoor Background Levels	2018 RI Investigation									
			18SV1 11/7/2018 (µg/m3)		18SV2 11/7/2018 (µg/m3)		18SV3 11/7/2018 (µg/m3)		18SV4 11/7/2018 (µg/m3)		18SV5 11/7/2018 (µg/m3)	
	(µg/m^3) [(a)]	(µg/m^3) [(b)]	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane			< 1.00	1.00	< 1.00	1.00	< 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	**1.36**	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	< 1.00	1.00	< 1.00	1.00
1,1,2-Trichloroethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1-Dichloroethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1-Dichloroethene		<1.0	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
1,2,4-Trichlorobenzene		NA	**2.33**	1.00	**2.02**	1.00	< 1.00	1.00	**1.15**	1.00	< 1.00	1.00
1,2,4-Trimethylbenzene		<1.0	**6.04**	1.00	**4.77**	1.00	**22.3**	1.00	**21.5**	1.00	**4.49**	1.00
1,2-Dibromoethane		<1.5	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichlorobenzene		<2.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichloroethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 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	< 1.00	1.00	< 1.00	1.00
1,2-Dichlorotetrafluoroethane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,3,5-Trimethylbenzene		<1.0	**1.75**	1.00	**1.4**	1.00	**6.83**	1.00	**5.5**	1.00	**1.33**	1.00
1,3-Butadiene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,3-Dichlorobenzene		<2.0	**2.02**	1.00	**1.47**	1.00	**1.59**	1.00	< 1.00	1.00	**1.5**	1.00
1,4-Dichlorobenzene		NA	< 1.00	1.00	< 1.00	1.00	< 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	< 1.00	1.00	< 1.00	1.00
2-Hexanone			< 1.00	1.00	< 1.00	1.00	**12.1**	1.00	< 1.00	1.00	< 1.00	1.00
4-Ethyltoluene		NA	**1.45**	1.00	< 1.00	1.00	**2.86**	1.00	**3.05**	1.00	**1.33**	1.00
4-Isopropyltoluene			< 1.00	1.00	< 1.00	1.00	**4.33**	1.00	**2.51**	1.00	< 1.00	1.00
4-Methyl-2-pentanone			**3.26**	1.00	**2.8**	1.00	< 1.00	1.00	**3.55**	1.00	**3.48**	1.00
Acetone		NA	**92.1**	1.00	**135**	5.01	**134**	5.01	**118**	5.01	**149**	5.01
Acrylonitrile			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Benzene		<1.6 - 4.7	**1.97**	1.00	**2.28**	1.00	**1.85**	1.00	**9.8**	1.00	**43.1**	1.00
Benzyl Chloride		NA	< 1.00	1.00	< 1.00	1.00	< 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	< 1.00	1.00	**2.65**	1.00
Bromoform		<1.0	< 1.00	1.00	< 1.00	1.00	< 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	< 1.00	1.00	< 1.00	1.00
Carbon Disulfide		NA	**2.13**	1.00	**1.53**	1.00	**4.79**	1.00	**22.2**	1.00	**20.9**	1.00
Carbon Tetrachloride	5	<3.1	**0.21**	0.20	**0.24**	0.20	**0.33**	0.20	**0.45**	0.20	**0.31**	0.20
Chlorobenzene		<2.0	< 1.00	1.00	< 1.00	1.00	< 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	< 1.00	1.00	< 1.00	1.00
Chloroform		<2.4	**6.64**	1.00	**48.7**	1.00	**5.37**	1.00	**31.6**	1.00	**109**	1.00
Chloromethane		<1.0 - 1.4	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**1.05**	1.00	< 1.00	1.00
cis-1,2-Dichloroethene		<1.0	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
cis-1,3-Dichloropropene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Cyclohexane		NA	**1.44**	1.00	**1.48**	1.00	< 1.00	1.00	**6.6**	1.00	**3.43**	1.00
Dibromochloromethane		<5.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Dichlorodifluromethane		NA	**1.78**	1.00	**2.64**	1.00	**2.62**	1.00	**15.2**	1.00	**2.59**	1.00
Ethanol			**42.2**	1.00	**66.8**	1.00	**69.5**	1.00	**103**	1.00	**49.7**	1.00
Ethyl Acetate		NA	**4.61**	1.00	**2.5**	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Ethylbenzene		<4.3	**3.92**	1.00	**3.29**	1.00	**4.18**	1.00	**4.47**	1.00	**3.51**	1.00
Heptane		NA	**6.18**	1.00	**2.67**	1.00	**2.59**	1.00	**11.1**	1.00	**5.16**	1.00
Hexachlorobutadiene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Hexane		<1.5	**22.3**	1.00	**2.45**	1.00	**2.53**	1.00	**20.9**	1.00	**5.67**	1.00
Isopropylalcohol		NA	**46.9**	1.00	**22.3**	1.00	**33.4**	1.00	**34.1**	1.00	**32.4**	1.00
Isopropylbenzene			< 1.00	1.00	< 1.00	1.00	**1.74**	1.00	< 1.00	1.00	< 1.00	1.00
Xylene (m&p)		<4.3	**14.2**	1.00	**12.5**	1.00	**16.2**	1.00	**15.4**	1.00	**12.9**	1.00
Methyl Ethyl Ketone			**5.92**	1.00	**12**	1.00	**25.2**	1.00	**13.4**	1.00	**10.1**	1.00
MTBE		NA	< 1.00	1.00	**2.54**	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Methylene Chloride		<3.4	< 3.00	3.00	< 3.00	3.00	< 3.00	3.00	**10.3**	3.00	< 3.00	3.00
n-Butylbenzene			< 1.00	1.00	< 1.00	1.00	**7.52**	1.00	**5.38**	1.00	< 1.00	1.00
Xylene (o)		<4.3	**6.03**	1.00	**5.29**	1.00	**7.25**	1.00	**6.77**	1.00	**5.42**	1.00
Propylene		NA	**28.7**	1.00	**3.72**	1.00	**3.37**	1.00	**60.7**	5.01	**119**	5.01
sec-Butylbenzene			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Styrene		<1.0	**1.68**	1.00	**1.29**	1.00	**2.43**	1.00	**1.52**	1.00	**1.23**	1.00
Tetrachloroethene	30		**16.4**	0.25	**67.4**	0.25	**113**	0.25	**28.3**	0.25	**6.52**	0.25
Tetrahydrofuran		NA	**5.6**	1.00	**8.25**	1.00	< 1.00	1.00	**9.7**	1.00	**5.63**	1.00
Toluene		1.0 - 6.1	**27.6**	1.00	**22.7**	1.00	**46.7**	1.00	**33.9**	1.00	**32.5**	1.00
trans-1,2-Dichloroethene		NA	< 1.00	1.00	< 1.00	1.00	< 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	< 1.00	1.00	< 1.00	1.00
Trichloroethene	2	<1.7	**0.47**	0.20	**3.79**	0.20	**0.35**	0.20	**0.52**	0.20	< 0.20	0.20
Trichlorofluoromethane		NA	< 1.00	1.00	**1.76**	1.00	**1.44**	1.00	**2.68**	1.00	< 1.00	1.00
Trichlorotrifluoroethane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Vinyl Chloride		<1.0	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
BTEX			**53.72**		**46.06**		**76.18**		**70.34**		**97.43**	
Total VOCs			**355.83**		**445.58**		**537.73**		**604.30**		**632.85**	

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

FIGURES

FIGURE 1 – SITE LOCATION MAP

EBC

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Environmental Business Consultants

SITE NAME: Redevelopment Project
STREET ADDRESS: 842-848 Flushing Avenue
MUNICIPALITY, STATE, ZIP: Brooklyn, NY 11206

Source: USGS

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Figure No. 2

Site Name: Redevelopment Project

Site Address: 842-848 Flushing Avenue, Brooklyn NY

Drawing Title: Site Boundary Map

First Floor Plan

EBC Environmental Business Consultants	Phone 631.504.6000 Fax 631.924.2870	Figure No. 3	Site Name: Redevelopment Project Site Address: 842-848 Flushing Avenue, Brooklyn NY Drawing Title: Redevelopment Plans

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

FIGURE 4

SURROUNDING LAND USE MAP

842-848 FLUSHING AVENUE, BROOKLYN, NY 11206

EBC

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PHONE: (631) 504-6000 FAX: (631) 924-2870

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Figure No. 5

Site Name: Redevelopment Project
Site Address: 842-848 Flushing Avenue, Brooklyn NY
Drawing Title: Site Sampling Locations

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Figure No. 6

Site Name: Redevelopment Project
Site Address: 842-848 Flushing Avenue, Brooklyn NY
Drawing Title: Soil Exceedances Map

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Figure No. 7

Site Name: Redevelopment Project

Site Address: 842-848 Flushing Avenue, Brooklyn NY

Drawing Title: Groundwater Exceedances Map

18SV1 - 11/7/2018	
1,2,4-Trichlorobenzene	2.33
1,2,4-Trimethylbenzene	6.04
1,3,5-Trimethylbenzene	1.75
1,3-Dichlorobenzene	2.02
4-Ethyltoluene	1.45
4-Methyl-2-pentanone	3.26
Acetone	92.1
Benzene	1.97
Carbon Disulfide	2.13
Carbon Tetrachloride	0.21
Chloroform	6.64
Cyclohexane	1.44
Dichlorodifluromethane	1.78
Ethanol	42.2
Ethyl Acetate	4.61
Ethylbenzene	3.92
Heptane	6.18
Hexane	22.3
Isopropylalcohol	46.9
Xylene (m&p)	14.2
Methyl Ethyl Ketone	5.92
Xylene (o)	6.03
Propylene	28.7
Styrene	1.68
Tetrachloroethene	16.4
Tetrahydrofuran	5.6
Toluene	27.6
Trichloroethene	0.47

18SV2 - 11/7/2018	
1,2,4-Trichlorobenzene	2.02
1,2,4-Trimethylbenzene	4.77
1,3,5-Trimethylbenzene	1.4
1,3-Dichlorobenzene	1.47
4-Methyl-2-pentanone	2.8
Acetone	135
Benzene	2.28
Carbon Disulfide	1.53
Carbon Tetrachloride	0.24
Chloroform	48.7
Cyclohexane	1.48
Dichlorodifluromethane	2.64
Ethanol	66.8
Ethyl Acetate	2.5
Ethylbenzene	3.29
Heptane	2.67
Hexane	2.45
Isopropylalcohol	22.3
Xylene (m&p)	12.5
Methyl Ethyl Ketone	12
MTBE	2.54
Xylene (o)	5.29
Propylene	3.72
Styrene	1.29
Tetrachloroethene	67.4
Tetrahydrofuran	8.25
Toluene	22.7
Trichloroethene	3.79
Trichlorofluoromethane	1.76

18SV3 - 11/7/2018	
1,1,1-Trichloroethane	1.36
1,2,4-Trimethylbenzene	22.3
1,3,5-Trimethylbenzene	6.83
1,3-Dichlorobenzene	1.59
2-Hexanone	12.1
4-Ethyltoluene	2.86
4-Isopropyltoluene	4.33
Acetone	134
Benzene	1.85
Carbon Disulfide	4.79
Carbon Tetrachloride	0.33
Chloroform	5.37
Dichlorodifluromethane	2.62
Ethanol	69.5
Ethylbenzene	4.18
Heptane	2.59
Hexane	2.53
Isopropylalcohol	33.4
Isopropylbenzene	1.74
Xylene (m&p)	16.2
Methyl Ethyl Ketone	25.2
n-Butylbenzene	7.52
Xylene (o)	7.25
Propylene	3.37
Styrene	2.43
Tetrachloroethene	113
Toluene	46.7
Trichloroethene	0.35
Trichlorofluoromethane	1.44

18SV5 - 11/7/2018	
1,2,4-Trimethylbenzene	4.49
1,3,5-Trimethylbenzene	1.33
1,3-Dichlorobenzene	1.5
4-Ethyltoluene	1.33
4-Methyl-2-pentanone	3.48
Acetone	149
Benzene	43.1
Bromodichloromethane	2.65
Carbon Disulfide	20.9
Carbon Tetrachloride	0.31
Chloroform	109
Cyclohexane	3.43
Dichlorodifluromethane	2.59
Ethanol	49.7
Ethylbenzene	3.51
Heptane	5.16
Hexane	5.67
Isopropylalcohol	32.4
Xylene (m&p)	12.9
Methyl Ethyl Ketone	10.1
Xylene (o)	5.42
Propylene	119
Styrene	1.23
Tetrachloroethene	6.52
Tetrahydrofuran	5.63
Toluene	32.5

18SV4 - 11/7/2018	
1,2,4-Trichlorobenzene	1.15
1,2,4-Trimethylbenzene	21.5
1,3,5-Trimethylbenzene	5.5
4-Ethyltoluene	3.05
4-Isopropyltoluene	2.51
4-Methyl-2-pentanone	3.55
Acetone	118
Benzene	9.8
Carbon Disulfide	22.2
Carbon Tetrachloride	0.45
Chloroform	31.6
Chloromethane	1.05
Cyclohexane	6.6
Dichlorodifluromethane	15.2
Ethanol	103
Ethylbenzene	4.47
Heptane	11.1
Hexane	20.9
Isopropylalcohol	34.1
Xylene (m&p)	15.4
Methyl Ethyl Ketone	13.4
Methylene Chloride	10.3
n-Butylbenzene	5.38
Xylene (o)	6.77
Propylene	60.7
Styrene	1.52
Tetrachloroethene	28.3
Tetrahydrofuran	9.7
Toluene	33.9
Trichloroethene	0.52
Trichlorofluoromethane	2.68

KEY:

- Property Boundary
- Existing Structure
- Potential UST Location
- 2018 Groundwater Sampling Location
- 2018 Soil Boring Location
- 2018 Soil Gas Samplng Location

SCALE:

0 16.5 33

Scale 1 Inch = 33 feet

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Figure No. 8

Site Name: Redevelopment Project

Site Address: 842-848 Flushing Avenue, Brooklyn NY

Drawing Title: Soil Gas Detections

ATTACHMENT A
PREVIOUS REPORTS

Phase I Screening Summary
842-848 Flushing Street, Brooklyn, New York 11206
Block 3138, Lot Nos. 20 and 22

Property Information:
The Site consists of two contiguous tax lots totaling 0.73-acre (5,575 square feet), and located on the southeastern corner of the intersection between Flushing Avenue (north) and Garden Street (west) in the Bushwick section of the Borough of Brooklyn, City of New York, Kings County, New York (**Figure 1**). The Site is identified by the street addresses of 842-848 Flushing Avenue and 1-15 Garden Street, and as Borough 3, Block 3138, Lot Nos. 20 and 22 (**Figure 2**) on the New York City (NYC) Tax Maps.

The elevation of the Site is approximately 35 feet above mean sea level (amsl). The depth to groundwater at the Site is approximately 30 feet below grade surface (bgs). Groundwater flows to the northeast, toward English Kills and consistent with the regional trend. The Site is zoned for residential use (R6A) with a C2-4commercial overlay.

History:
Site history was determined based on a review of Sanborn fire insurance maps and city directories. The Site is shown as seven, small undeveloped tax parcels in 1887. Three of the parcels front along Flushing Avenue to the north (842-848 Flushing Avenue), with the four remaining parcels fronting along Garden Street to the west-southwest (2-12 Garden Street). By 1904, the Site is shown as two tax parcels, which front along Flushing Avenue to the north. Both parcels are developed with 3-story retail buildings. The western building occupies the entire site footprint, with a 1-story section at the southern portion of the lot, and is divided into two tenant units. The eastern building occupies that northern half of the parcel, with a yard area to the south. By 1918, the 1-story portion of the western building is occupied by a tailor. By 1947, the western parcel was redeveloped with two 1-story structures. The northern structure is identified as a service station, with three gasoline tanks, presumed to be USTs, adjacent to the west. The southern building is identified as an auto repair shop. By 1981, the USTs were no longer depicted at the northwestern portion of the site and by 1982, the eastern parcel is shown as undeveloped. The northwestern building is identified as an auto repair shop beginning on the 1991 map.

Surrounding areas are moderately developed by 1887, with residential development to the north, south and west and commercial development along Flushing Avenue to the west. Flushing Avenue was adjacent to the north and Garden Street adjacent to the west. Bushwick Avenue was further to the east, with Beaver Street further to the south. By 1904, the surrounding properties were densely developed, with retail stores and residences across Flushing Avenue to the north, residences to the south and across Garden Street to the west, and retail stores to the east. By 1918, a building materials yard and movie theater were across Flushing Avenue to the north and northeast and a blacksmith shop was to the west. By the mid-1930s, a lumber yard was to the west, and auto repair shop, tin smith and a chair manufacturer were further to the east and a garage and service

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station (former building materials yard and movie theater) were to the north and northeast. By the late-1940s, the chair manufacturing facility to the east was demolished and a service station was further to the east (corner of Flushing and Bushwick Avenues). The blacksmith shop to the west was occupied by a poultry shop. By 1950, the garage to the northeast was converted to a no-specific manufacturing use. By the mid-1960s, the properties to the north, across Flushing Avenue, were developed with the existing apartment complex, and the properties across Garden Street to the west were developed with the exiting school and park/playground. A contractor's storage facility was also constructed further to the south. By the late-1970s, the service station further to the east was reconfigured and the contractor's storage facility to the south was occupied by the Union Democratic Club. The Democratic Club was converted to a non-specific manufacturing use in the early-1990s.

The Site addresses (842-848 Flushing Avenue) were listed in the city directories as being occupied by various commercial and retail businesses from 1928 to 2014, with several residential listings prior to 1940. The commercial/retail listings included: 842 Flushing Avenue – I Up Sig (2005); 844 Flushing Avenue – Grocery Store and names of individuals (1928), S. Heyman & Co. Skylights (1940), Garden Service Station (1945-1949), Hylton Service Center (1960-1955), Felix Delgado's Getty Service Station (1985-1992), Cantos Auto Body Center (2000), Hes General Contractors and Estrena Tire Shop (2005), Baltazar Corporation (2010), and MJ Auto Center, Inc. (2014); 846 Flushing Avenue – Weber Frederick Birds/Williamsburg Pet Shop/Hawk's Bird Store (1928-1940), Best E (1973), and auto repair shops (2005-2014); 848 Flushing Avenue – Williamsburg/Hickey's Pet Shop (1945-1970), Eight Eighty Eight Originals Inc. (1973) and Union Av. Laundromat Inc. (1976). The 1934 listings for 848 Flushing Avenue also note a dry cleaner, although the reference appears related to the occupation of a residential tenant. The surrounding properties were identified predominantly as residences/apartments, with various commercial/retail uses, including auto repair shops, service stations and laundromats.

EBC's review of historical information revealed that the Site occupied by one or more auto repair shops or service stations from at least 1947, with at least three suspected gasoline USTs identified at the northwestern portion of the property between 1947 and 1981. In addition, the Site was identified on the Historic Auto Stations (HIST AS) and E-Designated Site databases. Given the long term historical use of the property for auto repair/service station, historic site operations may have resulted in spills/releases which have the potential to have impacted the subsurface. As such, the historic use of the Site is considered a recognized environmental condition (REC). The Site's inclusion on the E-Designation database is also considered a potential environmental concern.

Several adjacent properties were listed in the regulatory database report as hazardous waste generators and/or were associated with closed spill incidents. These listings are detailed below (Environmental Database Search section), where they are determined unlikely to represent a significant environmental concern to the Site.

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Site Inspection:
EBC representative, Maggie Ellis, inspected the Site on September 18, 2017. Mr. Michael Sbeglia, the property owner, was present during the inspection and was interviewed regarding the Site. Mr. Sbeglia provided a brief site history and general site information. Pertinent statements made by Mr. Sbeglia are included throughout this report.

The property is developed with three, one-story, slab-on-grade commercial buildings. The buildings occupy the entire footprint of the parcel, except for two concrete-paved parking/storage areas at the northern and western portions of the property. The buildings are currently occupied by two auto repair shops and a storage facility.

The concrete-paved area at the western portion of the Site is enclosed with chain-link and corrugated sheet metal fencing, and is accessible via a gated entrance leading from Garden Street. The buildings are accessible via garage and pedestrian entrances along Flushing Avenue, with additional pedestrian entrances along Garden Street. Sidewalks border to the site to the north and west, along Flushing Avenue and Garden Street, with buildings adjacent to the south and east.

The building at the northeastern portion of the Site (848 Flushing Avenue) is reportedly heated by electric equipment, with space heaters observed throughout the building. The two remaining buildings are unheated/uncooled.

No visual evidence that would indicate the existence of current or former underground or aboveground storage tanks (USTs and ASTs) or equipment that would require the use of USTs or ASTs on-Site was observed. In addition, the interviews and regulatory database review completed for this assessment did not reveal evidence of current or former USTs or ASTs on-Site. However, Sanborn maps from 1947 through 1980 show three gasoline tanks, presumed to be USTs, at the northwestern portion of the site. No information regarding the current status of the USTs, closure reports and/or soil quality in the vicinity of the USTs was available for review. As such, there is a potential for spills or release from these tanks to have impacted the subsurface. Therefore, the USTs are considered a REC.

No exterior storm drains or interior floor drains were observed during the site inspection. Storm water from the Site flows to curbside drains along the adjacent roadways (Flushing Avenue and Garden Street).

The two auto repair shops maintain a total of six hydraulic-electric vehicle lifts located within the buildings or in paved exterior areas, although site personnel indicated that only three of the lifts are in working condition. None of the lifts were equipped with sub-grade hydraulic pistons. Based on the nature of the lifts and their presumed age (less than 25 years old), hydraulic oils present in the lifts are unlikely to contain PCBs.

No suspect ACM were observed during the site inspection. However, due to the age of the Site buildings, it is possible that roofing, roof flashing and other (inaccessible) building materials may contain asbestos.

A visual inspection of painted surfaces conducted during the Site inspection indicated that interior paints throughout the building were generally in fair to poor condition, with areas chipping/peeling and worn paint. Exterior paints (where present) were generally in fair condition. Based upon the age of the buildings, the presence of lead-based paint (LBP) is possible. However, since the Site improvements are used exclusively for commercial purposes, lead-based paint is not considered an environmental concern.

Environmental Database Search:
EDR was retained to provide a computerized database search of the project area within an ASTM-standard radius of the Site. A list of the databases searched and the search radius is shown on the summary table below. EBC reviewed the database output to determine if the property appears on any of the regulatory agency lists.

SUMMARY OF FEDERAL, STATE AND TRIBAL DATABASE FINDINGS			
Regulatory Database	**Approximate Search Distance**	**Site Listed?**	**# of Sites within the Search Radius**
Federal NPL	1 mile	No	0
Federal Delisted NPL	½ mile	No	0
Federal SEMS	½ mile	No	0
Federal SEMS Archive	½ mile	No	4
Federal RCRA CORRACTS	1 mile	No	2
Federal RCRIS Non-CORRACTS TSD	½ mile	No	0
Federal RCRA Generators	Site & Adjoining	No	1
Federal Institutional Control/ Engineering Control Registry	Site	No	N/A
Federal ERNS	Site	No	N/A
Federal Brownfield Sites	½ mile	No	0
State and Tribal NPL	1 mile	No	0
State and Tribal CERCLIS (SHWS)	½ mile	No	2
State and Tribal Landfill or Solid Waste Disposal Sites	½ mile	No	5

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SUMMARY OF FEDERAL, STATE AND TRIBAL DATABASE FINDINGS			
Regulatory Database	**Approximate Search Distance**	**Site Listed?**	**# of Sites within the Search Radius**
Registered Recycling Facility List (SWRCY)	½ mile	No	1
State and Tribal LTANKS/LUST	½ mile	No	33
State and Tribal Registered UST	Site & Adjoining	No	1
State and Tribal Registered AST	Site & Adjoining	No	1
Chemical Bulk Storage CBS	¼ mile	No	1
State and Tribal Institutional Control/Engineering Control Registry	Site	No	N/A
State and Tribal Voluntary Cleanup Site	½ mile	No	1
State and Tribal Brownfield Sites	½ mile	No	2
State Spill Sites	1/8 mile	No	9
Registered Drycleaners	¼ mile	No	2
NYC E-Designated Sites	1/8 mile	**Yes**	23
EDR Historic Auto Stations (HIST AS)	Site & Adjoining	**Yes**	0
EDR Historic Cleaners (HIST CL)	Site & Adjoining	No	0
Manufactured Gas Plants (MGPs)	1 mile	No	1

The Site was listed on the E-Designation and HIST AS databases under the names Auto Repair and Felix Auto Repair, as well as the tax parcel numbers. These listings are summarized as follows:

New York State Department of City Planning (NYCDCP) Environmental Designation Sites (E-DES): Both of the parcels comprising the Site are listed on the E-Designation database as having E-HazMat and Noise restrictions (E-315), which were determined during the Rheingold Rezoning completed by the City in October 2013 (CEQR 09DCP002K). The Hazardous Materials designation indicates that there is a potential for soil and groundwater beneath the Site to be impacted by historic operations at the Site or adjacent properties. The Noise E-Designation requires a minimum of 35 decibels (dBA) attenuation for indoor spaces and alternative ventilation to achieve an acceptable indoor noise environment of 45 dBA. Both the HazMat and Noise E-designations require the issuances of a Notice to Proceed by the NYC Office of Environmental Remediation (OER) before the Site can be redeveloped.

Historic Auto Stations database (HIST AS): The Site was listed on the HIST AS database under the names Felix Auto Repair, 844 Flushing Avenue and Auto Repair, 846 Flushing Avenue. The HISTAS database provides information compiled by EDR from multiple sources that identify potential sites historically occupied by a filling/gasoline/service station, auto repair shop, auto service station, etc. Limited information is provided in the database report, except that the site operated as an auto repair shop under various names from at least 1987 through 2014. Although the site was not cross-referenced any database indicating hazardous waste generation, petroleum storage or chemical/petroleum releases, historical information obtained from other sources indicates that site has operated as one or more auto repair shops or service stations since at least 1947, with at least three suspected gasoline USTs identified at the northwestern portion. Given the long term historical use of the property for auto repair/service station, historic site operations may have resulted in spills/releases which have the potential to have impacted the subsurface. As such, the historic use of the Site is considered a REC.

The database search generated information on the following listings for the surrounding properties within ASTM radius guidelines that could potentially impact the Site:

Federal SEMS Archive: Four SEMS Archive listings (Brooklyn Scrap Metal Co., 171 Cook Street; Crescent Smelting Works, 232 Seigel Street; Anchor Metal Co., 244 Boerum Street; and Kornblum, Signey, 394 Johnson Avenue) were identified within a one-half mile radius of the Site. The Crescent Smelting and Anchor Metal facilities are identified as "Removal Only". Removal Only listings are typically short-term response actions, where actions may be taken to address releases or threatened releases, and are generally used to address localized risks such as abandoned drums containing hazardous substances, and contaminated surface soils posing acute risks to human health or the environment. Each of the four SEMS Achieve listings are over one-eighth mile north to north to north-northeast and hydraulically downgradient of the Site. Based upon the information in the database report, their distances and/or the presumed hydraulic gradient, these facilities are unlikely to represent a significant environmental concern to the Site.

Federal RCRA CORRACTS: Two CORRACTS facility was identified within a one-mile radius of the Site, and they are summarized below:

- Pfizer Inc., 13 Bartlett Street, approximately 2,630 feet west and hydraulically crossgradient of the Site. The database indicates that a RCRA Facility Assessment for the property was completed in September 1992 and the property was assigned a medium corrective action priority. Six RCRA violations are listed for this facility. The Pfizer, Inc. facility is also listed on the RCRA LQG, RAATS, FINDS, and ECHO databases.

- Techtronic Ecological Corp., 8 Walworth Street, approximately 4,780 feet west and hydraulically crossgradient of the Site. The database indicates that a RCRA Facility Assessment for the property was completed in November 1985 and the property was assigned a medium corrective action priority. Fourteen RCRA violations are listed for this facility. The Techtronics facility is also listed on the RCRA-NonGen and MANIFEST databases.

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Based on this information, their distance, the presumed hydraulic gradient, and that the Site and surrounding area utilize potable water from a municipal source, it is unlikely that these facilities represent a significant environmental concern to the Site.

Federal Resource Conservation and Recovery Act (RCRA): One RCRA-CESQG facility (NYC Department of Education PS-120K) was were identified adjacent to the Site. This facility is identified as operating as a RCRA-CESQG since at least July 2009. One waste manifest was included in the database report, which indicated that the facility disposed of polychlorinated biphenyl (PCB) wastes. No RCRA violations exist for this facility, and there is no reported evidence in the database search to suggest that it presents an environmental concern to the site.

State and Tribal CERCLIS (SHWS): Two SHWS listings were identified within a one-half mile radius of the Site, and it is summarized as follows:

- Former Jayer Plating, 2 Ingraham Street (ID 224036), approximately 2,220 feet northeast and hydraulically downgradient of the Site. This facility is a former metal plating operation. Soil and groundwater beneath this facility have been impacted with volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) and metals attributable to historic plating operations. The property is being remediated under the Brownfields program. Groundwater flows northeast from this facility.

- Top Hat Cleaners, 152 Graham Avenue (ID 224208), approximately 2,330 feet northwest and hydraulically cross- to downgradient of the Site. This property is developed with a mixed-use (commercial/residential) building that has been occupied by a dry cleaner since the 1960s. Soil, soil vapor, and groundwater beneath this facility have been impacted with chlorinated solvents associated with historic dry-cleaning operations. Additional investigation and remediation is ongoing. Groundwater flows north-northwest from this facility.

Based on the information in the database report, their distances in a dense urban area, the presumed hydraulic gradient, and that the Site and surrounding area utilize potable water from a municipal source, it is unlikely that these facilities represent a significant environmental concern to the Site.

State and Tribal Landfill or Solid Waste Facilities (SWF/LF): Five SWF/LF listings (Bedford Auto Sales, 984 Myrtle Avenue; Cooper Tank Recycling, 201-203 Moore Street; Cooper Tank & Welding Co., 222-26 Siegal Avenue; Ram Auto Wreckers, 230 Cook Street; and US Waste Management, Inc. 48 Knickerbocker Street) were identified within a one-half mile radius of the Site. Bedford Auto Sales and Ram Auto Wreckers were identified as an active vehicle dismantling facilities, Cooper Tank & Welding Co. and US Waste Management, Inc. were identified as inactive transfer stations, and Cooper Tank Recycling was identified as an inactive facility. Based upon their inactive status, distances and/or the presumed hydraulic gradient, these facilities are unlikely to represent a significant environmental concern to the Site.

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Registered Recycling Facility List (SWRCY): One SWRCY facility, Galante, Inc., 144 Noll Street, was identified within a one-half mile radius of the site. This facility is identified as an inactive recycler, with no listed violations. As such, there is no reported evidence in the database search, which suggests that this facility is a significant environmental concern to the site. In addition, the SWRCY facility is located hydraulically cross- to downgradient of the Site.

State and Tribal LTANKS**:** Thirty-three facilities were identified on the State and Tribal LTANKS database within a one-half mile radius of the Site. Each of the 33 listings received regulatory closure from the NYSDEC and are not expected to be an issue of concern for the Site. One of the closed spills (Bushwick Houses, 24 Humbolt Street) is associated with an adjacent property. This spill was related to a tank test failure, but no additional details are provided.

State and Tribal Petroleum Bulk Storage – Underground and Aboveground Storage Tank Databases (TANKS and PBS-UST/AST): One State PBS UST and one PBS-AST facility are associated with adjacent properties and they are summarized as follows:

- Bushwick/Hylan Houses (PBS ID No. 2-474649), 24 Humboldt Street, adjacent to the north, across Flushing Avenue, and hydraulically downgradient of the Site. This property is listed on the PBS-UST database as having two 20,000-gallon fiberglass coated steel USTs, containing fuel oil, installed in 2004 and two 23,000-gallon steel USTs containing fuel oil, installed in 1960 and removed in 2004. This property was cross-referenced on the LTANKS and NYSPILLS databases related to six closed spill incidents, which are detailed in the LTANKS/NYSPILLS sections of this report, where they were determined unlikely to represent an environmental concern to the Site.

- Public School 120 (PBS ID No. 2-356468), 18 Beaver Street, adjacent to the west and hydraulically upgradient of the Site. This property is listed on the PBS-AST database as having two 7,500-gallon steel ASTs, containing No. 6 fuel oil, installed in 1965 and removed in 2009. This property was not cross-referenced on the LTANKs or NYSPILLS databases, and therefore it is unlikely to represent an environmental concern to the site.

State Chemical Bulk Storage Sites (CBS) - One CBS facility is listed in the EDR report, and is summarized as follows:

- NYC Parks Bushwick, Bushwick and Flushing Avenues, approximately 710 feet east-northeast and hydraulically cross- to downgradient of the site. This facility is listed on the CBS-AST database as having one 500-gallon fiberglass AST containing chlorine, installed in 1985 and identified as in-service. This property was not cross-referenced on the LTANKS or NYSPILLS databases; therefore, it is unlikely to represent an environmental concern to the site.

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New York State Department of Environmental Conservation (NYSDEC) Voluntary Cleanup Program (VCP): One VCP listing (Former Jayer Plating, 2 Ingraham Street) was identified within one-half mile radius of the Site. This facility was detailed previously in the SHWS section, where it was determined unlikely to represent a significant environmental concern to the Site.

New York State Brownfields Sites (BROWNFIELDS): Two BROWNFIELDS listings (353 McKibbin Street and Former Jayer Plating, 2 Ingraham Street) were identified within a one-half mile radius of the Site. The 353 McKibben facility is located over one-quarter mile north-northeast and hydraulically cross- to downgradient of the Site. Therefore, it is unlikely to represent a significant environmental concern to the Site. The former Jayer Plating facility was detailed previously in the SHWS section, where it was determined unlikely to represent a significant environmental concern to the Site.

State Spill Sites (NYSPILLS): There are nine listings on the NYSPILLS database within a one-eighth mile radius of the Site. Eight of the nine listings received regulatory closure from the NYSDEC, and are not expected to represent a significant environmental concern to the Site based on their regulatory status, presumed hydraulic gradient and/or that the surrounding area utilizes municipally-supplied drinking water. Seven closed spills are associated with the Bushwick Hoses apartment complex, adjacent to the north across Flushing Avenue. However, based upon the nature of the releases, their regulatory status and the presumed hydraulic gradient, these release are unlikely to represent a significant environmental concern to the Site.

A review of the information provided regarding the one remaining active NYSPILLS listing (37 Forrest Street), including the nature of the release, its distance and the presumed hydraulic gradient, indicates that this spill is unlikely to represent a significant environmental concern to the Site.

Registered Drycleaning Facilities (DRYCLEANERS): Two DRYCLEANERS listings (Joful/A & K/Good Neighbor Cleaners, 789 Flushing Avenue and Victorino/Kenneth Dry Cleaners, 107 Moore Street) were identified within a one-quarter mile radius of the Site. Information in the DRYCLEANERS database indicates that the Joyful/A & K/Good Neighbor Cleaners facility was cross-referenced on the RCRA NonGen database as a former hazardous waste generator, which is consistent with information in the DRYCLEANERS database indicating that it is no longer in operation. No RCRA violations are listed for this facility. Victorino/Kenneth Dry Cleaners was not cross-referenced as a RCRA generator and is located approximately 1,290 feet northwest and hydraulically cross- to downgradient. Based on the information in the database report, the absence of listed violations, the presumed hydraulic gradient, and that the Site and surrounding area utilize water from a municipal source, it is unlikely that these listings represent a significant environmental concern to the Site.

NYCDCP Environmental Designation Sites (E-DES): Twenty-two (22) E-DES listings were identified within a one-eighth mile of the site, none of which are located adjacent to the site. Each of the identified E-designated properties have E-HazMat, Noise and/or Air Quality restrictions.

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The HazMat designation indicates that projected and potential development of these properties requires the completion of an environmental assessment and review by the NYC Office of Environmental Remediation to determine if the current and/or historic use of the property impacted the subsurface and if additional investigation and/or remediation is warranted. This designation does not indicate the presence of contamination, nor does it indicate the presence/potential presence of offsite impacts. Therefore, there is no information in the database report that indicates the E DES listing represent a significant environmental concern to the site.

Manufactured Gas Plants (MGPs): One MGP facility (Scholes Street Station, Scholes & Bogart Streets between Messerole and Morgan Avenues), was listed in the database report. MGPs were industrial facilities at which gas was produced from coal, oil and other feedstocks. The gas was stored, and then piped to the surrounding area, where it was used for lighting, cooking, and heating homes and businesses. The first MGPs were constructed in the early 1800s, prior to the Civil War. Most were closed during the early-to-middle 1900s, and the last one ceased operations in 1972. The production of manufactured gas created wastes including coal tar and purifier waste (lime or wood chips treated with iron oxides, and used to remove cyanide and sulfur from the manufactured gas). These materials were often disposed of on the property resulting in soil and groundwater contamination. Based its distance (3,000 feet north-northeast) from the Site and presumed hydraulic gradient, it is unlikely that this listing represent a significant environmental concern to the Site.

New York City Department of Buildings Information

The Department of Buildings (DOB) computerized Property Profile Overviews (PPOs) were reviewed.

Lot No. 20

According to the PPO, 15 Actions are listed for this parcel: two Certificates of Occupancy (C/O), both dated in 1942; one demolition permit, dated 1942; one docket item, dated in 1942; six electric sign permits, dated 1942 (2), 1954 (2), and 1959 (2); two new building permits; both dated 1941; two plumbing & drainage permits, both dated in 1941; and one plumbing repair slip, dated in 1966. The 1942 C/Os indicate that this parcel was developed with two one-story buildings utilized as a repair shop, car wash and service station, with parking.

Four DOB and four Environmental Control Board (ECB) violations are listed for this parcel. One ECB violation has been closed/dismissed, while the seven remaining DOB and ECB violations are identified as open/active. The open DOB and ECB violations are dated between March 1989 and June 2001, and are related to various construction issues, including failure to maintain the building and work without permits. While the identified open/active violations do not appear to represent an environmental concern, action should be taken to resolve them with the appropriate agency(ies).

Two Complaints were identified for this parcel. The Complaints dated in March 1989 and May 2000 are related to possible structural issues and construction of an illegal garage. Both of the complaints are listed as closed/resolved.

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One Jobs/Filing and no ARA/LAA jobs are listed for Site. The listed Jobs/Filling is summarized as follows:

- No. 301098318, dated November 22, 2000, permit was issued to erect a one-story extension to an existing commercial building.

Lot No. 22
According to the PPO, 12 Actions are listed for the Site: six alteration permits, dated in 1932 (2), 1955, 1958, 1972, and 1973; one building notice, dated in 1956; one C/O, dated in 1962; one demolition permit, dated in 1982; and one oil burner application, dated in 1946. The 1962 C/O indicates that the parcel was developed a three-story mixed-use (retail/residential building), with a basement.

No DOB or ECB violations, Complaints, Jobs/Filing or ARA/LAA jobs are listed for this parcel.

Conclusions/Recommendations

Based on the results of the Site inspection, records review and interviews, it was determined that there were two RECs identified with regard to the Site. RECs are those conditions which could adversely affect the environmental integrity of the property. The identified RECs are summarized below:

- Information obtained from various historical information sources revealed that the Site was occupied by one or more auto repair shops and service stations from at least 1947 to the present. In addition, the site was identified on the HIST AS database as operating from at least 1987 through 2014. Given the long term historical use of the property for auto repair/service station, historic site operations may have resulted in spills/releases which have the potential to have impacted the subsurface. As such, the historic use of the Site is considered a REC. In addition, the Site (both parcels) was identified as an E-HazMat and Noise designated site.

- The 1947 through 1981 Sanborn maps depict the presence of three gasoline tanks at the northwestern portion of the site. No information regarding the current status of the USTs, closure reports and/or soil quality in the vicinity of the USTs was available for review. As such, there is a potential for spills or release from these tanks to have impacted the subsurface. Therefore, the USTs are considered a REC.

Based upon the above findings and conclusions, EBC recommends the following:

- A geophysical survey (e.g., magnetometer and/or ground penetrating radar surveys) should be conducted on the subject property to evaluate the presence of USTs associated

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with the site, as well as the configurations of existing underground utilities in advance of a soil boring program.

If present, any historic USTs should be removed in accordance with New York State Department of Environmental Conservation (NYSDEC) and New York City Fire Department (FDNY) regulations. Any identified geophysical anomalies should be further investigated through the excavation of test pits, with soil samples collected for laboratory analysis as warranted. It is important to note that excavation areas may be necessary to facilitate the geophysical survey and any subsequent sampling.

- To evaluate potential impacts related to historic usage of the Site and to satisfy the NYCDCP and New York City Office of Environmental Remediation (NYCOER) requirements related to the site's listing as an "E"-designated property, a subsurface investigation should be performed. At a minimum, the investigation should include the installation of soil borings with the collection of representative soil, groundwater and/or soil vapor samples for laboratory analysis to document subsurface conditions and determine the nature and extent of contamination (if present).

In addition to the aforementioned RECs, two potential environmental concerns were identified. The environmental concerns and EBC's recommendations are summarized as follows:

- In addition to the E-HazMat designation, the Site was listed on the E-Designation database as having an E-Noise restriction (E-315), which was determined during the Rheingold Rezoning completed by the City in October 2013 (CEQR 09DCP002K). The Noise E-Designation requires a minimum 35 decibels (dBA) attenuation level for indoor spaces and alternative ventilation to achieve an acceptable indoor noise environment of 45 dBA. The Noise E-designation requires the issuance of a Notice to Proceed by the NYC Office of Environmental Remediation (OER) before the property can be redeveloped.

- No suspect ACM were observed during the site inspection. However, due to the age of the Site buildings, it is possible that roofing, roof flashing and other (inaccessible) building materials may contain asbestos.

  If activities in the building (i.e., renovation or demolition) will disturb any suspect asbestos material, then EBC recommends that an asbestos survey be performed to determine if ACM are present prior to the proposed work. If ACM are present, then a New York City-licensed contractor must be retained to remove the asbestos in accordance with federal, NYS and NYC regulations.

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November 17, 2017

Mr. Joel Wielder
GW Green LLC
670 Myrtle Avenue #315
Brooklyn, NY 11205

Re: 842-848 Flushing Avenue, Brooklyn, NY
Block 3138, Lot Nos. 20 and 22

Dear Mr. Wielder:

Environmental Business Consultants (EBC) performed a Phase II subsurface investigation at the above referenced property (hereinafter referred to as the "Site") on November 1-2, 2017 to assess the environmental condition of the property. The purpose of this investigation was to further assess potential impacts related to the historic use of the Site as identified in the Phase I Screening Report Prepared by EBC (9/22/2017).

Property Description

The street address for the Site is 842-848 Flushing Avenue, Brooklyn, New York 11206. The Site is identified by the street addresses 1-15 Garden Street, 842-846 and 848 Flushing Avenue, and as Block 3138, Lots 20 and 21 on the Borough of Brooklyn Tax Map (Kings County). The two, contiguous irregular shaped lots are located at the southeastern corner of the intersection between Flushing Avenue and Garden Street. Lot 20 has 120.83 feet of frontage along Garden Street and 55.83 feet of frontage along Flushing Avenue. Lot 22 has 25 feet of frontage along Flushing Avenue. The total area for the Site is approximately 5,575 square feet (0.73 acres).

The Site is improved with three buildings including two, 1-story auto repair shops and one, 1-story storage facility, all built above a slab-on-grade foundation. The storage facility and the auto repair shop located on the northwestern portion of the Site were constructed between 1918 and 1947 while the remaining auto repair shop was constructed between 2007 and 2017.

Phase I Assessment

A Phase I Environmental Screening Report was prepared by EBC in September 2017. The report identified the following Recognized Environmental Conditions (RECs):

- A review of Sanborn fire insurance maps indicated the use of the Site as "Auto Greaser" and/or "Auto Repair" from at least 1947 to 2007. A review of city directories identified the Site as a gasoline service station from at least 1945 through 1955 and again from 1982 through 1992. The long-term use of the Site (1947 to the present day) as one or more auto repair shops and gasoline service stations is an REC.

- A review of Sanborn fire insurance maps indicated the presence of three gas tanks on the northwestern portion of the Site from 1947 to 1981. The historic presence of three gasoline tanks on the northwestern portion of the Site from 1947 through 1981, with no database listings or known documentation is an REC

In addition, EBC identified the following environmental concerns:

- The Site was listed on the E-Designation database as having an E-Noise restriction (E-315), which was determined during the Rheingold Rezoning completed by the City in October 2007 (CEQR 09DCP002K). The Noise E-Designation requires a minimum of 35 decibels (dBA) attenuation for indoor spaces and alternative ventilation to achieve an acceptable indoor noise environment on 45 dBA. The Noise E-Designation requires the issuances of a Notice to Proceed by the Office of Environmental Remediation (OER) before the Site can be redeveloped.

- The Site inspection identified the presence of suspect asbestos-containing pipe insulation on the first floor within the auto repair shops.

EBC recommended that a geophysical survey be conducted within the northwestern building to evaluate the presence of gasoline tanks associated with the Site, and a subsurface investigation to evaluate potential impacts related to the historic use of the Site. In anticipation of future Site redevelopment by the user, EBC recommended that an asbestos survey be performed to determine if ACM are present and to what extent.

Phase II Subsurface Investigation Summary

The field work portion of the subsurface investigation was performed on November 1-2, 2017. The work included a geophysical survey and the installation of 6 soil borings (SB1 to SB6), and three groundwater monitoring wells (MW1-MW2), as well as the collection of related samples.

Geophysical Survey
The geophysical survey was performed on November 1 by NOVA Geophysical Services (NOVA) on the northwestern portion of Lot 20 to evaluate the presence of gasoline tanks associated with the Site. A GPR system consists of a radar control unit, control cable and a transducer (antenna). The control unit transmits a trigger pulse at a normal repetition rate of 250 MHz. The trigger pulse is sent to the transmitter electronics in the transducer via the control cable. The transmitter electronics amplify the trigger pulses into bipolar pulses that are radiated to the surface. The transformed pulses vary in shape and frequency according to the transducer used. In the subsurface, variations of the signal occur at boundaries where there is a dielectric contrast (void, steel, soil type, etc.).

Signal reflections travel back to the control unit and are represented as color graphic images for interpolation. The equipment selected for this investigation was a Noggin 250 MHz ground penetrating radar (GPR) shielded antenna and 3M DYNATL.

The survey identified one area along Garden street which appeared to be indicative of an underground tank. No other suspect underground structures were identified during the survey.

Soil Borings
Six soil boring locations (SB1 through SB6) were selected to gain representative soil quality information from across the Site. Four soil borings (SB2-4, SB6) were installed to a depth of 10 feet below grade after encountering groundwater at 7 feet below grade. SB1 and SB5 were installed to a depth of 3 and 4 feet below grade, respectively, before hitting refusal.

The borings SB1 – SB6 were advanced with a Geoprobe™ 6720DT direct push equipment and sampled with 5-foot dual tube system using disposable acetate liners. Soil was characterized by an Environmental Professional and field screened for the presence of volatile organic compounds (VOCs) using a photo-ionization detector (PID). Soil was characterized as historic fill in the top 0-2 feet followed by brown to black silt and sand to the termination depth. Soil borings are attached in **Appendix A**.

In accordance with the specified protocol, two soil samples were collected, one from the 0- to 5-foot interval and, when applicable, from the deepest sample just above the water table, approximately at the 5- to 7-foot interval.

Groundwater
Three monitoring well locations (MW1-3) were selected to gain representative groundwater quality information from across the Site. MW1 was installed to a depth of 20 feet below grade while MW2-3 were installed to a depth of 15 feet below grade. Monitoring wells were constructed of 1" PVC with 10 feet of 0.10 slotted screen set to intersect the water table. Groundwater samples were collected from each monitoring well utilizing a peristaltic pump with a stainless steel check valve and dedicated polyethylene tubing. EBC notes that a groundwater sample was not collected from MW3 because the well was dry.

Sample Analysis
Collected samples were appropriately packaged, placed in coolers and shipped via laboratory dispatched courier for delivery 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). Soil and groundwater samples were analyzed for one or more of the following depending on location and depth: volatile organic compounds (VOCs) by USEPA Method 8260; shallow soil samples were additionally analyzed for semi-volatile organic compounds (SVOCs) by USEPA Method 8270; and Target Analyte List metals by USEPA Method 6010.

Results

Soil
Soil sample results were compared to the Unrestricted Use and Restricted Residential Use Soil Cleanup Objectives (SCOs) as presented in NYSDEC Soil Cleanup Guidance (10/21/10). Analytical data for the soil samples are summarized in **Tables 1-3** and a copy of the laboratory analytical report is included in **Appendix B**.

As presented in the attached table, VOCs were detected above Unrestricted Use SCOs in two samples collected. The compound acetone was detected above Unrestricted Use SCOs in the SB1 (0-5') and SB3 (0-5') samples collected at a maximum of 83 micrograms per kilogram (µg/Kg). Although there were other VOCs were detected in the shallow samples from borings SB1, SB2 and SB3, none were reported above SCOs.

The SVOCs benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene were detected above Restricted Residential Use SCOs in the SBC6 (0-5') soil sample. No other SVOCs were detected above Unrestricted or Restricted Residential Use SCOs. SVOCs were detected below Unrestricted Use SCOs in samples from borings SB1, SB2, SB3 and SB5.

The metals copper and zinc were detected above Restricted Residential Use SCOs in the SB3 (0-5') soil sample. Copper was detected above Unrestricted Use SCOs in SB1 (0-5'); lead was detected above Unrestricted Use SCOs in SB2 (0-5'), SB3 (0-5'), and SB5 (0-5'); and mercury was detected above Unrestricted Use SCOs in SB1 (0-5'), SB2 (0-5'), SB5 (0-5'), and SB6 (0-5').

Groundwater
Groundwater results were compared to NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (GQS) for Class GA (drinking water). Analytical data for the groundwater samples is summarized in **Table 4**. A copy of the laboratory analytical report is provided in **Appendix B**.

No VOCs were detected above GQS. VOCs detected below GQS within one or more of the samples collected at the Site include 1,2,4-Trimethylbenzene, acetone, benzene, carbon disulfide, chloroform, chloromethane, ethylbenzene, m&p-Xylenes, Methyl, Ethyl Ketone, naphthalene, o-Xylene, p-Isopropyltoluene, styrene, tetrachloroethene, and toluene.

Conclusions and Recommendations

Subsurface soil at the Site consists of a two-foot layer of historic fill which, which contains elevated (above unrestricted SCOs) concentrations of copper, zinc, lead, and mercury, and in one boring, SVOCs. The metals mercury and zinc and were also reported above restricted residential SCOs in one boring.

There were no VOCs reported above SCOs in the deeper samples collected at the water table (approximately 7 ft below grade) and no physical evidence of petroleum contamination (sheen, odors, PID readings, etc.), though staining (with no odor) was reported in SB6. In addition there were no VOCs reported above standards in the groundwater samples collected.

Based on the results of this investigation, there does not appear to be any significant impact related to the historic use of the Site. Please note that the property does have E-designations for Hazmat and Noise. If the property were to be redeveloped this investigation along with the Phase I screening report should be submitted to the NYC Office of Environmental Remediation (OER) for review. OER may require a supplemental investigation depending on the planned

redevelopment. There appears to be at least one underground tank along Garden Street near the corner with Flushing Avenue. It is possible that more tanks are present that were not detected by the geophysical equipment. Note that the results of additional testing as required by OER may identify VOCs in soil vapor or other issues which require mitigation or remedial actions. Please call if you have any questions or would like to discuss the project further.

Very truly yours,

Environmental Business Consultants

Maggie Ellis
Environmental Scientist

FIGURES

FIGURE 1 – SITE LOCATION MAP

EBC
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SITE NAME: 846 Flushing
STREET ADDRESS: 842-848 Flushing Avenue
MUNICIPALITY, STATE, ZIP: Brooklyn, NY 11206

Source: USGS

EBC
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Figure No. 2

Site Name: 842-848 Flushing Avenue
Site Address: 842-848 Flushing Avenue
Drawing Title: SAMPLE LOCATION MAP

TABLES

TABLE 1
842-848 Flushing Avenue
Brooklyn, New York
Soil Analytical Results
Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	SB1		SB2				SB3				SB4				SB5		SB6			
			(0-5') 11/1/2017 µg/Kg		(0-5') 11/1/2017 µg/Kg		(5-7') 11/1/2017 µg/Kg		(0-5') 11/1/2017 µg/Kg		(5-7') 11/1/2017 µg/Kg		(0-5') 11/1/2017 µg/Kg		(5-7') 11/1/2017 µg/Kg		(0-5') 11/2/2017 µg/Kg		(0-5') 11/1/2017 µg/Kg		(5-7') 11/1/2017 µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachlorothane			< 17	17	<17	17	<16	16	<25	25	<17	17	<19	19	<15	15	<5.2	5.2	<18	18	<18	18
1,1,1-Trichloroethane	680	100,000	< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
1,1,2,2-Tetrachloroethane			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
1,1,2-Trichloroethane			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
1,1-Dichloroethane	270	26,000	< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
1,1-Dichloroethene	330	100,000	< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
1,1-Dichloropropene			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
1,2,3-Trichlorobenzene			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
1,2,3-Trichloropropane			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
1,2,4-Trichlorobenzene			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
1,2,4-Trimethylbenzene	3,600	52,000	**0.93**	4.3	< 4.2	4.2	< 4.1	4.1	**110**	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	**0.79**	5.2	< 4.4	4.4	< 4.4	4.4
1,2-Dibromo-3-chloropropane			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
1,2-Dibromomethane			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
1,2-Dichlorobenzene	1,100	100,000	< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
1,2-Dichloroethane	20	3,100	< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
1,2-Dichloropropane			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
1,3,5-Trimethylbenzene	8,400	52,000	**0.72**	4.3	< 4.2	4.2	< 4.1	4.1	**41**	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
1,3-Dichlorobenzene	2,400	4,900	< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
1,3-Dichloropropane			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
1,4-Dichlorobenzene	1,800	13,000	< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
2,2-Dichloropropane			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
2-Chlorotoluene			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
2-Hexanone (Methyl Butyl Ketone)			< 22	22	< 21	21	< 21	21	< 31	31	< 22	22	< 23	23	< 19	19	< 26	26	< 22	22	< 22	22
2-Isopropyltoluene			**2.6**	4.3	< 4.2	4.2	< 4.1	4.1	**0.68**	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
4-Chlorotoluene			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
4-Methyl-2-Pentanone			< 22	22	< 21	21	< 21	21	< 31	31	< 22	22	< 23	23	< 19	19	< 26	26	< 22	22	< 22	22
Acetone	50	100,000	**83**	22	**6.5**	21	**5.5**	21	**54**	31	< 22	22	< 23	23	< 19	19	**22**	26	**4.7**	22	< 22	22
Acrolein			< 17	17	<17	17	<16	16	<25	25	<17	17	<19	19	<15	15	<21	21	<18	18	<18	18
Acrylonitrile			< 17	17	<17	17	<16	16	<25	25	<17	17	<19	19	<15	15	< 10	10	<18	18	<18	18
Benzene	60	4,800	**0.45**	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Bromobenzene			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Bromochloromethane			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Bromodichloromethane			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Bromoform			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Bromomethane			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Carbon Disulfide			**1.6**	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Carbon tetrachloride	760	2,400	< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Chlorobenzene	1,100	100,000	< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Chloroethane			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Chloroform	370	49,000	< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Chloromethane			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
cis-1,2-Dichloroethene	250	100,000	< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
cis-1,3-Dichloropropene			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Dibromochloromethane			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Dibromomethane			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Dichlorodifluoromethane			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Ethylbenzene	1,000	41,000	< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	**1.9**	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Hexachlorobutadiene			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Isopropylbenzene			**0.89**	4.3	< 4.2	4.2	< 4.1	4.1	**2.3**	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
m&p-Xylenes	260	100,000	**1.4**	4.3	**1.1**	4.2	< 4.1	4.1	**10**	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	**1.2**	5.2	< 4.4	4.4	< 4.4	4.4
Methyl Ethyl Ketone (2-Butanone)	120	100,000	< 26	26	< 25	25	< 25	25	**56**	37	< 26	26	< 28	28	< 23	23	< 31	31	< 26	26	< 26	26
Methyl t-butyl ether (MTBE)	930	100,000	< 8.7	8.7	< 8.4	8.4	< 8.2	8.2	< 12	12	< 8.7	8.7	< 9.3	9.3	< 7.5	7.5	< 10	10	< 8.8	8.8	< 8.8	8.8
Methylene chloride	50	100,000	< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Naphthalene	12,000	100,000	**2.8**	4.3	**110**	360	< 4.1	4.1	**25**	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
n-Butylbenzene	12,000	100,000	**3**	4.3	< 4.2	4.2	< 4.1	4.1	**3.5**	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
n-Propylbenzene	3,900	100,000	**2.1**	4.3	< 4.2	4.2	< 4.1	4.1	**7.9**	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
o-Xylene	260	100,000	**0.9**	4.3	< 4.2	4.2	< 4.1	4.1	**12**	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
p-Isopropyltoluene			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	**1.6**	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
sec-Butylbenzene	11,000	100,000	**7.6**	4.3	< 4.2	4.2	< 4.1	4.1	**2.6**	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Styrene			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Tert-butyl alcohol			< 87	87	<84	84	<82	82	<120	120	<87	87	<93	93	<75	75	<100	100	<88	88	<88	88
tert-Butylbenzene	5,900	100,000	**0.68**	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Tetrachloroethene	1,300	19,000	**1.6**	4.3	**150**	130	**2.6**	4.1	**100**	370	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Tetrahydrofuran (THF)			**3**	8.7	< 8.4	8.4	< 8.2	8.2	< 12	12	< 8.7	8.7	< 9.3	9.3	< 7.5	7.5	<10	10	< 8.8	8.8	< 8.8	8.8
Toluene	700	100,000	**0.47**	4.3	< 4.2	4.2	< 4.1	4.1	**9.8**	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	**0.8**	5.2	< 4.4	4.4	< 4.4	4.4
trans-1,2-Dichloroethene	190	100,000	< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
trans-1,3-Dichloropropene			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
trabs-1,4-dichloro-2-butene			< 8.7	8.7	< 8.4	8.4	< 8.2	8.2	< 12	12	< 8.7	8.7	< 9.3	9.3	< 7.5	7.5	< 10	10	< 8.8	8.8	< 8.8	8.8
Trichloroethene	470	21,000	**1.1**	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Trichlorofluoromethane			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Trichlorotrifluoroethane			< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
Vinyl Chloride	20	900	< 4.3	4.3	< 4.2	4.2	< 4.1	4.1	< 6.1	6.1	< 4.4	4.4	< 4.7	4.7	< 3.8	3.8	< 5.2	5.2	< 4.4	4.4	< 4.4	4.4
1,4-dioxane			< 65	65	<63	63	<62	62	<92	92	<65	65	<70	70	<56	56	<77	77	<66	66	<66	66
Total BTEX Concentration			3.22		1.10		0.00		33.70		0.00		0.00		0.00		2.00		0.00		0.00	
Total VOCs Concentration			114.84		267.60		8.10		438.28		0.00		0.00		0.00		24.79		4.70		0.00	

Notes:

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

RL - Reporting Limit

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

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

TABLE 2
842-848 Flushing Avenue
Brooklyn, New York
Soil Analytical Results
Semi-Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	SB1		SB2		SB3		SB4		SB5		SB6	
			(0-5') 11/1/2017 µg/Kg		(0-5') 11/1/2017 µg/Kg		(0-5') 11/1/2017 µg/Kg		(0-5') 11/1/2017 µg/Kg		(0-5') 11/2/2017 µg/Kg		(0-5') 11/1/2017 µg/Kg	
			Result	RI	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,2,4,5-Tetrachlorobenzene			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260
1,2,4-Trichlorobenzene			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260
1,2-Dichlorobenzene			< 250	250	< 260	260	< 1100	1,100	< 250	250	< 250	250	< 260	260
1,2-Diphenylhydrazine			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260
1,3-Dichlorobenzene			< 250	250	< 260	260	< 2400	2,400	< 250	250	< 250	250	< 260	260
1,4-Dichlorobenzene			< 250	250	< 260	260	< 1800	1,800	< 250	250	< 250	250	< 260	260
2,4,5-Trichlorophenol			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260
2,4,6-Trichlorophenol			< 180	180	< 180	180	< 1800	1,800	< 180	180	< 180	180	< 180	180
2,4-Dichlorophenol			< 180	180	< 180	180	< 1800	1,800	< 180	180	< 180	180	< 180	180
2,4-Dimethylphenol			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260
2,4-Dinitrophenol			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260
2,4-Dinitrotoluene			< 180	180	< 180	180	< 1800	1,800	< 180	180	< 180	180	< 180	180
2,6-Dinitrotoluene			< 180	180	< 4.2	180	< 1800	1,800	< 180	180	< 180	180	< 180	180
2-Chloronaphthalene			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260
2-Chlorophenol			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260
2-Methylnaphthalene			< 250	250	< 260	260	**1,500**	2,500	< 250	250	< 250	250	**670**	260
2-Methylphenol (o-cresol)	330	100,000	< 250	250	< 260	260	< 1700	1,700	< 250	250	< 250	250	< 260	260
2-Nitroaniline			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260
2-Nitrophenol			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260
3&4-Methylphenol (m&p-cresol)	330	100,000	< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260
3,3'-Dichlorobenzidine			< 180	180	< 180	180	< 1800	1,800	< 180	180	< 180	180	< 180	180
3-Nitroaniline			< 360	360	< 370	370	< 3600	3,600	< 360	360	< 360	360	< 370	370
4,6-Dinitro-2-methylphenol			< 220	220	< 220	220	< 2100	2,100	< 220	220	< 220	220	< 220	220
4-Bromophenyl phenyl ether			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260
4-Chloro-3-methylphenol			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260
4-Chloroaniline			< 290	290	< 290	290	< 2900	2,900	< 290	290	< 290	290	< 300	300
4-Chlorophenyl phenyl ether			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260
4-Nitroaniline			< 360	360	< 370	370	< 3600	3,600	< 360	360	< 360	360	< 370	370
4-Nitrophenol			< 360	360	< 370	370	< 3600	3,600	< 360	360	< 360	360	< 370	370
Acenaphthene	20,000	100,000	< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	**2,000**	260
Acenaphthylene	100,000	100,000	< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	**300**	260
Acetophenone			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260
Aniline			< 290	290	< 290	290	< 2900	2,900	< 290	290	< 290	290	< 300	300
Anthracene	100,000	100,000	< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	**3,200**	260
Benz(a)anthracene	1,000	1,000	**250**	250	**240**	260	< 1200	1,200	< 250	250	**230**	250	**11,000**	2,600
Benzidine			< 360	360	< 370	370	< 3600	3,600	< 360	360	< 360	360	< 370	370
Benzo(a)pyrene	1,000	1,000	**270**	180	**200**	180	< 1200	1,200	< 180	180	**220**	180	**10,000**	1,800
Benzo(b)fluoranthene	1,000	1,000	**200**	250	**170**	260	< 1200	1,200	< 250	250	**250**	250	**9,200**	2,600
Benzo(ghi)perylene	100,000	100,000	**180**	250	< 260	260	< 2500	2,500	< 250	250	**270**	250	**5,000**	260
Benzo(k)fluoranthene	800	3,900	**240**	250	**190**	260	< 1200	1,200	< 250	250	**180**	250	**8,800**	2,600
Benzoic acid			< 1800	1,800	< 1800	1,800	< 18000	18,000	< 1800	1,800	< 1800	1,800	< 1800	1,800
Benzyl butyl phthalate			< 250	250	< 260	260	**2,100**	2,500	< 250	250	< 250	250	< 260	260
Bis(2-chloroethoxy)methane			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260
Bis(2-chloroethyl)ether			< 180	180	< 180	180	< 1800	1,800	< 180	180	< 180	180	< 180	180
Bis(2-chloroisopropyl)ether			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260
Bis(2-ethylhexyl)phthalate			< 250	250	< 260	260	**2,300**	2,500	< 250	250	< 250	250	< 260	260
Carbazole			< 180	180	< 180	180	< 1800	1,800	< 180	180	< 180	180	**1,200**	180
Chrysene	1,000	3,900	**250**	250	**250**	260	< 1200	1,200	< 250	250	**240**	250	**13,000**	2,600
Dibenz(a,h)anthracene	330	330	< 180	180	< 180	180	< 1200	1,200	< 180	180	< 180	180	**1,200**	180
Dibenzofuran	7,000	59,000	< 250	250	< 260	260	< 1000	1,000	< 250	250	< 250	250	**1,500**	260
Diethyl phthalate			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260
Dimethylphthalate			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260
Di-n-butylphthalate			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260
Di-n-octylphthalate			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260
Fluoranthene	100,000	100,000	**290**	250	**550**	260	< 2500	2,500	< 250	250	**400**	250	**26,000**	2,600
Fluorene	30,000	100,000	< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	**1,700**	260
Hexachlorobenzene			< 180	180	< 180	180	< 1000	1,000	< 180	180	< 180	180	< 180	180
Hexachlorobutadiene			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260
Hexachlorocyclopentadiene			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260
Hexachloroethane			< 180	180	< 180	180	< 1800	1,800	< 180	180	< 180	180	< 180	180
Indeno(1,2,3-cd)pyrene	500	500	**190**	250	**130**	260	< 1200	1,200	< 250	250	**230**	250	**5,300**	260
Isophorone			**220**	180	**180**	180	< 1800	1,800	< 180	180	< 180	180	< 180	180
Naphthalene	12,000	100,000	< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	**970**	260
Nitrobenzene			< 180	180	< 180	180	< 1800	1,800	< 180	180	< 180	180	< 180	180
N-Nitrosodimethylamine			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260
N-Nitrosodi-n-propylamine			< 180	180	< 180	180	< 1800	1,800	< 180	180	< 180	180	< 180	180
N-Nitrosodiphenylamine			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260
Pentachloronitrobenzene			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260
Pentachlorophenol	800	6,700	< 220	220	< 220	220	< 1400	1,400	< 220	220	< 220	220	< 220	220
Phenanthrene	100,000	100,000	**160**	250	**450**	260	< 2500	2,500	< 250	250	**250**	250	**25,000**	2,600
Phenol	330	100,000	< 250	250	< 260	260	< 1100	1,100	< 250	250	< 250	250	< 260	260
Pyrene	100,000	100,000	**320**	250	**470**	260	< 2500	2,500	< 250	250	**360**	250	**28,000**	2,600
Pyridine			< 250	250	< 260	260	< 2500	2,500	< 250	250	< 250	250	< 260	260

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

TABLE 3
842-848 Flushing Avenue
Brooklyn, New York
Soil Analytical Results
Metals

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	SB1		SB2		SB3		SB4		SB5		SB6	
			(0-5') 11/1/2017 µg/Kg		(0-5') 11/1/2017 µg/Kg		(0-5') 11/1/2017 µg/Kg		(0-5') 11/1/2017 µg/Kg		(0-5') 11/2/2017 µg/Kg		(0-5') 11/1/2017 µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Aluminum			**10,500**	33	**7,510**	36	**5,260**	38	**7,400**	33	**8,560**	33	**10,800**	35
Antimony			< 1.7	1.7	< 1.8	1.8	< 1.9	1.9	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8
Arsenic	13	16	**5.09**	0.67	**4.02**	0.72	**4.13**	0.75	**2.56**	0.66	**3.52**	0.66	**2.67**	0.70
Barium	350	350	**62.1**	0.7	**83.6**	0.7	**105**	0.8	**39.9**	0.7	**117**	0.7	**46.4**	0.7
Beryllium	7.2	14	**0.42**	0.27	**0.55**	0.29	**0.3**	0.30	**0.51**	0.26	**0.45**	0.26	**0.72**	0.28
Cadmium	2.5	2.5	**0.47**	0.33	**0.58**	0.36	**1.16**	0.38	**0.43**	0.33	**0.6**	0.33	**0.53**	0.35
Calcium			**19,900**	33	**3,830**	36	**48,600**	38	**1,030**	33	**16,100**	33	**1,620**	35
Chromium	30	180	**20.1**	0.33	**14.4**	0.36	**18.9**	0.38	**22**	0.33	**20.9**	0.33	**24.4**	0.35
Cobalt			**5.85**	0.33	**6.03**	0.36	**4.77**	0.38	**8.58**	0.33	**6.6**	0.33	**8.62**	0.35
Copper	50	270	**123**	0.33	**27.2**	0.36	**9,440**	38	**27.3**	0.33	**35.6**	0.33	**24.9**	0.35
Iron			**16,500**	33	**15,200**	36	**14,300**	38	**21,200**	33	**16,600**	33	**26,300**	35
Lead	63	400	**62.3**	0.7	**107**	0.7	**334**	7.5	**5.1**	0.7	**104**	0.7	**57.5**	0.7
Magnesium			**2,930**	3.3	**1,730**	3.6	**8,040**	38	**1,850**	3.3	**3,160**	3.3	**1,900**	3.5
Manganese	1,600	2,000	**333**	3.3	**285**	3.6	**183**	3.8	**418**	3.3	**283**	3.3	**297**	3.5
Mercury	0.18	0.81	**0.25**	0.03	**0.32**	0.03	**0.15**	0.03	< 0.03	0.03	**0.28**	0.03	**0.33**	0.03
Nickel	30	140	**12.8**	0.33	**11.5**	0.36	**14.3**	0.38	**12.4**	0.33	**14**	0.33	**12.4**	0.35
Potassium			**957**	7	**851**	7	**1,200**	8	**1,460**	7	**1,060**	7	**1,430**	7
Selenium	3.9	36	< 1.3	1.3	< 1.4	1.4	< 1.5	1.5	< 1.3	1.3	< 1.3	1.3	< 1.4	1.4
Silver	2	36	< 0.33	0.33	< 0.36	0.36	**0.51**	0.38	< 0.33	0.33	< 0.33	0.33	< 0.35	0.35
Sodium			**400**	7	**453**	7	**856**	8	**510**	7	**271**	7	**108**	7
Thallium			< 1.3	1.3	< 1.4	1.4	< 1.5	1.5	< 1.3	1.3	< 1.3	1.3	< 1.4	1.4
Vanadium			**20.7**	0.33	**23.7**	0.36	**27.4**	0.38	**29.1**	0.33	**26.1**	0.33	**34.2**	0.35
Zinc	109	2,200	**94.7**	0.7	**65**	0.7	**3,510**	75	**36.1**	0.7	**107**	0.7	**62.7**	0.7

Notes:

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

RL- Reporting Limit

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

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

Table 4
842-848 Flushing Avenue
Brooklyn, New York
Ground Water Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards	MW1 11/2/2017 µg/L		MW2 11/2/2017 µg/L	
	µg/L	Results	RL	Results	RL
1,1,1,2-Tetrachlorothane	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	**0.36**	1.0	**0.27**	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	< 4.2
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	50	**13**	5.0	**9.5**	5.0
Acrolein		< 5.0	5.0	< 5.0	5.0
Acrylonitrile	5	< 5.0	5.0	< 5.0	5.0
Benzene	1	**0.28**	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	**0.29**	1.0	**0.47**	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	**0.44**	5.0	**0.93**	5.0
Chloromethane	60	**0.34**	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	**0.31**	1.0	**0.68**	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	**1.2**	1.0	**2.2**	1.0
Methyl Ethyl Ketone (2-Butanone)	50	**2.7**	2.5	< 2.5	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	**4.8**	1.0	**1.3**	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	**0.62**	1.0	**1.3**	1.0
p-Isopropyltoluene		< 1.0	1.0	**0.33**	1.0
sec-Butylbenzene	5	< 1.0	1.0	< 1.0	1.0
Styrene	5	< 1.0	1.0	**1.2**	1.0
tert-Butylbenzene	5	< 1.0	1.0	< 1.0	1.0
Tetrachloroethene	5	**0.26**	1.0	**0.83**	1.0
Tetrahydrofuran (THF)		< 5.0	5.0	< 5.0	5.0
Toluene	5	**1.2**	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

APPENDIX A
Boring Logs

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

SB1 Boring Log

Location: 65' from Northwestern property boundary and 6' from the property boundary along Flushing Avenue.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: GWG1701	Address: 842-848 Flushing Avenue, Brooklyn NY, 11206	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: C2 Environmental	Method: Geoprobe 6712DT			Well Specifications
Date Started: 11/1/2017	Date Completed: 11/1/2017			None
Completion Depth: 3 Feet	Geologist Tony Balado			

SB1 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to	21		0.0 0.0 25.0 0.0	11" - Concrete 3" - Dry brown silt with brick and concrete 4" - Wet stained black silt with petrol. odor 2' - Concrete **Retained soil sample SB1(0-5')*
	5				

Geologic Boring Log Details

EBC ENVIRONMENTAL BUSINESS CONSULTANTS

SB2 Boring Log

Location: 35' from Northwestern property boundary and 8' from the property boundary along Flushing Avenue.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: GWG1701	Address: 842-848 Flushing Avenue, Brooklyn NY, 11206	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: C2 Environmental	Method: Geoprobe 6712DT	7'		Well Specifications
Date Started: 11/1/2017	Date Completed: 11/1/2017			None
Completion Depth: 10 Feet	Geologist Tony Balado			

SB2 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	12		0.0	4" - Concrete 8" - Moist brown sand and silt with brick **Retained soil sample SB2(0-5')*
	to 10	16		0.0	2" - Damp brown sand and silt 14" - Wet silty sand **Retained soil sample SB2(5-7')*

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

SB3 Boring Log

Location: 12' from Northeastern property boundary and 6' from the property boundary along Flushing Avenue.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: GWG1701	Address: 842-848 Flushing Avenue, Brooklyn NY, 11206	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: C2 Environmental	Method: Geoprobe 6712DT	7'		Well Specifications
Date Started: 11/1/2017	Date Completed: 11/1/2017			None
Completion Depth: 10 Feet	Geologist Tony Balado			

SB3 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	16		0.0	9" - Asphalt and Concrete 3" - Dry brown silt 3" - Concrete 1" - Wet black/brown silt **Retained soil sample SB3(0-5')*
	to 10	10		0.0	10" - Wet brown silty sand with brick **Retained soil sample SB3(5-7')*

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

SB4 Boring Log

Location: 12' from building on southwestern side, 6' from property boundary along Garden Street		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: GWG1701	Address: 842-848 Flushing Avenue, Brooklyn NY, 11206	Date / DTW	Ground Elevation
		Groundwater depth	
Drilling Company: C2 Environmental	Method: Geoprobe 6712DT	7'	Well Specifications
Date Started: 11/1/2017	Date Completed: 11/1/2017		None
Completion Depth: 10 Feet	Geologist Tony Balado		

SB4 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	32		0.0	8" - Concrete 20" - Moist brown/gray interlayered silt and clay 4" - Concrete **Retained soil sample SB4(0-5')*
	to 10	29		0.0	1" - Asphalt 24" - Wet brown/gray interlayered silt and clay 4" - Concrete **Retained soil sample SB4(5-7')*

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

SB5 Boring Log

Location: 6' from Northeastern property boundary, 40' from property boundary along Flushing Avenue		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: GWG1701	Address: 842-848 Flushing Avenue, Brooklyn NY, 11206	Date / DTW	Ground Elevation
		Groundwater depth	
Drilling Company: C2 Environmental	Method: AMS Fleighted Auger Kit		Well Specifications
Date Started: 11/2/2017	Date Completed: 11/2/2017		None
Completion Depth: 4 Feet	Geologist Tony Balado		

SB5 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to	48		0.0	12" - Dry gray/brown silt and sand 36" - Moist brown silt and sand 4' - Concrete **Retained soil sample SB5(0-5')*
	5				

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

SB6 Boring Log

Location: 2' from building on southwestern side, 12' from property boundary along Garden Street		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: GWG1701	Address: 842-848 Flushing Avenue, Brooklyn NY, 11206	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: C2 Environmental	Method: Geoprobe 6712DT	7'		Well Specifications
Date Started: 11/1/2017	Date Completed: 11/1/2017			None
Completion Depth: 10 Feet	Geologist Tony Balado			

SB6 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	26		0.0	10" - Concrete 6" - Damp silt with asphalt and brick 10" - Wet stained black silt and sand **Retained soil sample SB6(0-5')*
	to 10	30		0.0	12" - Damp brown and black sand with silt 18" - Wet brown sand **Retained soil sample SB6(5-7')*

APPENDIX B
Laboratory Reports

PHOENIX
Environmental Laboratories, Inc.

Friday, November 10, 2017

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

Project ID: 842 FLUSHING AVE
Sample ID#s: BZ32926

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,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG Comments

November 10, 2017

SDG I.D.: GBZ32926

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.

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 10, 2017

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	TB	11/02/17	9:00
Location Code:	EBC	Received by:	SW	11/06/17	14:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBZ32926
Phoenix ID: BZ32926

Project ID: 842 FLUSHING AVE
Client ID: SB5 (0-5)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	ND	0.33	0.33	mg/Kg	1	11/07/17	MA	SW6010C	
Aluminum	8560	33	6.6	mg/Kg	10	11/07/17	MA	SW6010C	
Arsenic	3.52	0.66	0.66	mg/Kg	1	11/07/17	MA	SW6010C	
Barium	117	0.7	0.33	mg/Kg	1	11/07/17	MA	SW6010C	
Beryllium	0.45	0.26	0.13	mg/Kg	1	11/07/17	MA	SW6010C	
Calcium	16100	33	30	mg/Kg	10	11/07/17	MA	SW6010C	
Cadmium	0.60	0.33	0.33	mg/Kg	1	11/07/17	MA	SW6010C	
Cobalt	6.60	0.33	0.33	mg/Kg	1	11/07/17	MA	SW6010C	
Chromium	20.9	0.33	0.33	mg/Kg	1	11/07/17	MA	SW6010C	
Copper	35.6	0.33	0.33	mg/kg	1	11/07/17	MA	SW6010C	
Iron	16600	33	33	mg/Kg	10	11/07/17	MA	SW6010C	
Mercury	0.28	0.03	0.02	mg/Kg	1	11/07/17	RS	SW7471B	
Potassium	1060	7	2.6	mg/Kg	1	11/07/17	MA	SW6010C	
Magnesium	3160	3.3	3.3	mg/Kg	1	11/07/17	MA	SW6010C	
Manganese	283	3.3	3.3	mg/Kg	10	11/07/17	MA	SW6010C	
Sodium	271	7	2.8	mg/Kg	1	11/07/17	MA	SW6010C	B
Nickel	14.0	0.33	0.33	mg/Kg	1	11/07/17	MA	SW6010C	
Lead	104	0.7	0.33	mg/Kg	1	11/07/17	MA	SW6010C	
Antimony	ND	1.7	1.7	mg/Kg	1	11/07/17	MA	SW6010C	
Selenium	ND	1.3	1.1	mg/Kg	1	11/07/17	MA	SW6010C	
Thallium	ND	1.3	1.3	mg/Kg	1	11/07/17	MA	SW6010C	
Vanadium	26.1	0.33	0.33	mg/Kg	1	11/07/17	MA	SW6010C	
Zinc	107	0.7	0.33	mg/Kg	1	11/07/17	MA	SW6010C	
Percent Solid	91			%		11/06/17	i	SW846-%Solid	
Soil Extraction for SVOA	Completed					11/06/17	JJ/CKV	SW3545A	
Mercury Digestion	Completed					11/07/17	W/W	SW7471B	
Total Metals Digest	Completed					11/06/17	B/AG	SW3050B	

Project ID: 842 FLUSHING AVE
Client ID: SB5 (0-5)

Phoenix I.D.: BZ32926

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		5.2	1.0	ug/Kg	1	11/07/17	JLI	SW8260C	
1,1,1-Trichloroethane	ND		5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND		5.2	1.0	ug/Kg	1	11/07/17	JLI	SW8260C	
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	1	11/07/17	JLI	SW8260C	
1,1-Dichloroethane	ND		5.2	1.0	ug/Kg	1	11/07/17	JLI	SW8260C	
1,1-Dichloroethene	ND		5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	
1,1-Dichloropropene	ND		5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		5.2	1.0	ug/Kg	1	11/07/17	JLI	SW8260C	
1,2,3-Trichloropropane	ND		5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		5.2	1.0	ug/Kg	1	11/07/17	JLI	SW8260C	
1,2,4-Trimethylbenzene	0.79	J	5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		5.2	1.0	ug/Kg	1	11/07/17	JLI	SW8260C	
1,2-Dibromoethane	ND		5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	
1,2-Dichlorobenzene	ND		5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	
1,2-Dichloroethane	ND		5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	
1,2-Dichloropropane	ND		5.2	1.0	ug/Kg	1	11/07/17	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND		5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	
1,3-Dichlorobenzene	ND		5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	
1,3-Dichloropropane	ND		5.2	1.0	ug/Kg	1	11/07/17	JLI	SW8260C	
1,4-Dichlorobenzene	ND		5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	
2,2-Dichloropropane	ND		5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	
2-Chlorotoluene	ND		5.2	1.0	ug/Kg	1	11/07/17	JLI	SW8260C	
2-Hexanone	ND		26	5.2	ug/Kg	1	11/07/17	JLI	SW8260C	
2-Isopropyltoluene	ND		5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	1
4-Chlorotoluene	ND		5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	
4-Methyl-2-pentanone	ND		26	5.2	ug/Kg	1	11/07/17	JLI	SW8260C	
Acetone	22	JS	26	5.2	ug/Kg	1	11/07/17	JLI	SW8260C	
Acrylonitrile	ND		10	1.0	ug/Kg	1	11/07/17	JLI	SW8260C	
Benzene	ND		5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	
Bromobenzene	ND		5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	
Bromochloromethane	ND		5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	
Bromodichloromethane	ND		5.2	1.0	ug/Kg	1	11/07/17	JLI	SW8260C	
Bromoform	ND		5.2	1.0	ug/Kg	1	11/07/17	JLI	SW8260C	
Bromomethane	ND		5.2	2.1	ug/Kg	1	11/07/17	JLI	SW8260C	
Carbon Disulfide	ND		5.2	1.0	ug/Kg	1	11/07/17	JLI	SW8260C	
Carbon tetrachloride	ND		5.2	1.0	ug/Kg	1	11/07/17	JLI	SW8260C	
Chlorobenzene	ND		5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	
Chloroethane	ND		5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	
Chloroform	ND		5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	
Chloromethane	ND		5.2	1.0	ug/Kg	1	11/07/17	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	
Dibromochloromethane	ND		5.2	1.0	ug/Kg	1	11/07/17	JLI	SW8260C	
Dibromomethane	ND		5.2	1.0	ug/Kg	1	11/07/17	JLI	SW8260C	
Dichlorodifluoromethane	ND		5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	
Ethylbenzene	ND		5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	
Hexachlorobutadiene	ND		5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	
Isopropylbenzene	ND		5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	

Ver 1

Project ID: 842 FLUSHING AVE
Client ID: SB5 (0-5)

Phoenix I.D.: BZ32926

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
m&p-Xylene	1.2	J	5.2	1.0	ug/Kg	1	11/07/17	JLI	SW8260C	
Methyl Ethyl Ketone	ND		31	5.2	ug/Kg	1	11/07/17	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		10	1.0	ug/Kg	1	11/07/17	JLI	SW8260C	
Methylene chloride	ND		5.2	5.2	ug/Kg	1	11/07/17	JLI	SW8260C	
Naphthalene	ND		5.2	1.0	ug/Kg	1	11/07/17	JLI	SW8260C	
n-Butylbenzene	ND		5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	
n-Propylbenzene	ND		5.2	1.0	ug/Kg	1	11/07/17	JLI	SW8260C	
o-Xylene	ND		5.2	1.0	ug/Kg	1	11/07/17	JLI	SW8260C	
p-Isopropyltoluene	ND		5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	
sec-Butylbenzene	ND		5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	
Styrene	ND		5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	
tert-Butylbenzene	ND		5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	
Tetrachloroethene	ND		5.2	1.0	ug/Kg	1	11/07/17	JLI	SW8260C	
Tetrahydrofuran (THF)	ND		10	2.6	ug/Kg	1	11/07/17	JLI	SW8260C	1
Toluene	0.80	J	5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	
trans-1,2-Dichloroethene	ND		5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	
trans-1,3-Dichloropropene	ND		5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND		10	2.6	ug/Kg	1	11/07/17	JLI	SW8260C	
Trichloroethene	ND		5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	
Trichlorofluoromethane	ND		5.2	1.0	ug/Kg	1	11/07/17	JLI	SW8260C	
Trichlorotrifluoroethane	ND		5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	
Vinyl chloride	ND		5.2	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	100				%	1	11/07/17	JLI	70 - 130 %	
% Bromofluorobenzene	98				%	1	11/07/17	JLI	70 - 130 %	
% Dibromofluoromethane	92				%	1	11/07/17	JLI	70 - 130 %	
% Toluene-d8	99				%	1	11/07/17	JLI	70 - 130 %	
1,4-dioxane										
1,4-dioxane	ND		77	41	ug/kg	1	11/07/17	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	100				%	1	11/07/17	JLI	70 - 130 %	
% Bromofluorobenzene	98				%	1	11/07/17	JLI	70 - 130 %	
% Toluene-d8	99				%	1	11/07/17	JLI	70 - 130 %	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		21	1.0	ug/Kg	1	11/07/17	JLI	SW8260C	
Acrolein	ND		21	2.6	ug/Kg	1	11/07/17	JLI	SW8260C	
Acrylonitrile	ND		21	0.52	ug/Kg	1	11/07/17	JLI	SW8260C	
Tert-butyl alcohol	ND		100	21	ug/Kg	1	11/07/17	JLI	SW8260C	
Semivolatiles										
1,2,4,5-Tetrachlorobenzene	ND		250	130	ug/Kg	1	11/06/17	DD	SW8270D	
1,2,4-Trichlorobenzene	ND		250	110	ug/Kg	1	11/06/17	DD	SW8270D	
1,2-Dichlorobenzene	ND		250	100	ug/Kg	1	11/06/17	DD	SW8270D	
1,2-Diphenylhydrazine	ND		250	120	ug/Kg	1	11/06/17	DD	SW8270D	
1,3-Dichlorobenzene	ND		250	110	ug/Kg	1	11/06/17	DD	SW8270D	
1,4-Dichlorobenzene	ND		250	110	ug/Kg	1	11/06/17	DD	SW8270D	
2,4,5-Trichlorophenol	ND		250	200	ug/Kg	1	11/06/17	DD	SW8270D	
2,4,6-Trichlorophenol	ND		180	120	ug/Kg	1	11/06/17	DD	SW8270D	

Ver 1

Project ID: 842 FLUSHING AVE
Client ID: SB5 (0-5)

Phoenix I.D.: BZ32926

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dichlorophenol	ND		180	130	ug/Kg	1	11/06/17	DD	SW8270D	
2,4-Dimethylphenol	ND		250	90	ug/Kg	1	11/06/17	DD	SW8270D	
2,4-Dinitrophenol	ND		250	250	ug/Kg	1	11/06/17	DD	SW8270D	
2,4-Dinitrotoluene	ND		180	140	ug/Kg	1	11/06/17	DD	SW8270D	
2,6-Dinitrotoluene	ND		180	110	ug/Kg	1	11/06/17	DD	SW8270D	
2-Chloronaphthalene	ND		250	100	ug/Kg	1	11/06/17	DD	SW8270D	
2-Chlorophenol	ND		250	100	ug/Kg	1	11/06/17	DD	SW8270D	
2-Methylnaphthalene	ND		250	110	ug/Kg	1	11/06/17	DD	SW8270D	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	1	11/06/17	DD	SW8270D	
2-Nitroaniline	ND		250	250	ug/Kg	1	11/06/17	DD	SW8270D	
2-Nitrophenol	ND		250	230	ug/Kg	1	11/06/17	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	1	11/06/17	DD	SW8270D	1
3,3'-Dichlorobenzidine	ND		180	170	ug/Kg	1	11/06/17	DD	SW8270D	
3-Nitroaniline	ND		360	720	ug/Kg	1	11/06/17	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND		220	72	ug/Kg	1	11/06/17	DD	SW8270D	
4-Bromophenyl phenyl ether	ND		250	110	ug/Kg	1	11/06/17	DD	SW8270D	
4-Chloro-3-methylphenol	ND		250	130	ug/Kg	1	11/06/17	DD	SW8270D	
4-Chloroaniline	ND		290	170	ug/Kg	1	11/06/17	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	1	11/06/17	DD	SW8270D	
4-Nitroaniline	ND		360	120	ug/Kg	1	11/06/17	DD	SW8270D	
4-Nitrophenol	ND		360	160	ug/Kg	1	11/06/17	DD	SW8270D	
Acenaphthene	ND		250	110	ug/Kg	1	11/06/17	DD	SW8270D	
Acenaphthylene	ND		250	100	ug/Kg	1	11/06/17	DD	SW8270D	
Acetophenone	ND		250	110	ug/Kg	1	11/06/17	DD	SW8270D	
Aniline	ND		290	290	ug/Kg	1	11/06/17	DD	SW8270D	
Anthracene	ND		250	120	ug/Kg	1	11/06/17	DD	SW8270D	
Benz(a)anthracene	230	J	250	120	ug/Kg	1	11/06/17	DD	SW8270D	
Benzidine	ND		360	210	ug/Kg	1	11/06/17	DD	SW8270D	
Benzo(a)pyrene	220		180	120	ug/Kg	1	11/06/17	DD	SW8270D	
Benzo(b)fluoranthene	250	J	250	120	ug/Kg	1	11/06/17	DD	SW8270D	
Benzo(ghi)perylene	270		250	120	ug/Kg	1	11/06/17	DD	SW8270D	
Benzo(k)fluoranthene	180	J	250	120	ug/Kg	1	11/06/17	DD	SW8270D	
Benzoic acid	ND		1800	720	ug/Kg	1	11/06/17	DD	SW8270D	
Benzyl butyl phthalate	ND		250	93	ug/Kg	1	11/06/17	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND		250	100	ug/Kg	1	11/06/17	DD	SW8270D	
Bis(2-chloroethyl)ether	ND		180	98	ug/Kg	1	11/06/17	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND		250	100	ug/Kg	1	11/06/17	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	1	11/06/17	DD	SW8270D	
Carbazole	ND		180	140	ug/Kg	1	11/06/17	DD	SW8270D	
Chrysene	240	J	250	120	ug/Kg	1	11/06/17	DD	SW8270D	
Dibenz(a,h)anthracene	ND		180	120	ug/Kg	1	11/06/17	DD	SW8270D	
Dibenzofuran	ND		250	110	ug/Kg	1	11/06/17	DD	SW8270D	
Diethyl phthalate	ND		250	110	ug/Kg	1	11/06/17	DD	SW8270D	
Dimethylphthalate	ND		250	110	ug/Kg	1	11/06/17	DD	SW8270D	
Di-n-butylphthalate	ND		250	96	ug/Kg	1	11/06/17	DD	SW8270D	
Di-n-octylphthalate	ND		250	93	ug/Kg	1	11/06/17	DD	SW8270D	
Fluoranthene	400		250	120	ug/Kg	1	11/06/17	DD	SW8270D	
Fluorene	ND		250	120	ug/Kg	1	11/06/17	DD	SW8270D	
Hexachlorobenzene	ND		180	110	ug/Kg	1	11/06/17	DD	SW8270D	

Ver 1

Project ID: 842 FLUSHING AVE
Client ID: SB5 (0-5)

Phoenix I.D.: BZ32926

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Hexachlorobutadiene	ND		250	130	ug/Kg	1	11/06/17	DD	SW8270D	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	1	11/06/17	DD	SW8270D	
Hexachloroethane	ND		180	110	ug/Kg	1	11/06/17	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	230	J	250	120	ug/Kg	1	11/06/17	DD	SW8270D	
Isophorone	ND		180	100	ug/Kg	1	11/06/17	DD	SW8270D	
Naphthalene	ND		250	100	ug/Kg	1	11/06/17	DD	SW8270D	
Nitrobenzene	ND		180	130	ug/Kg	1	11/06/17	DD	SW8270D	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	1	11/06/17	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND		180	120	ug/Kg	1	11/06/17	DD	SW8270D	
N-Nitrosodiphenylamine	ND		250	140	ug/Kg	1	11/06/17	DD	SW8270D	
Pentachloronitrobenzene	ND		250	130	ug/Kg	1	11/06/17	DD	SW8270D	
Pentachlorophenol	ND		220	140	ug/Kg	1	11/06/17	DD	SW8270D	
Phenanthrene	250	J	250	100	ug/Kg	1	11/06/17	DD	SW8270D	
Phenol	ND		250	120	ug/Kg	1	11/06/17	DD	SW8270D	
Pyrene	360		250	120	ug/Kg	1	11/06/17	DD	SW8270D	
Pyridine	ND		250	89	ug/Kg	1	11/06/17	DD	SW8270D	
QA/QC Surrogates										
% 2,4,6-Tribromophenol	85				%	1	11/06/17	DD	30 - 130 %	
% 2-Fluorobiphenyl	70				%	1	11/06/17	DD	30 - 130 %	
% 2-Fluorophenol	57				%	1	11/06/17	DD	30 - 130 %	
% Nitrobenzene-d5	64				%	1	11/06/17	DD	30 - 130 %	
% Phenol-d5	62				%	1	11/06/17	DD	30 - 130 %	
% Terphenyl-d14	61				%	1	11/06/17	DD	30 - 130 %	
Field Extraction	Completed						11/02/17		SW5035A	1

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 L=Biased Low 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.

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.
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Phyllis Shiller, Laboratory Director
November 10, 2017
Reviewed and Released by: Ethan Lee, Project Manager

Friday, November 10, 2017

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

State: NY

Sample Criteria Exceedances Report

GBZ32926 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BZ32926	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.28	0.03	0.18	0.18	mg/Kg
BZ32926	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	104	0.7	63	63	mg/Kg

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

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

November 10, 2017

SDG I.D.: GBZ32926

The samples in this delivery group were received at 4.1°C.
(Note acceptance criteria is above freezing up to 6°C)

Cooler: Yes [X] No [ ]
Coolant: IPK [X] ICE [ ] No [ ]
Temp - 4 °C Pg 1 of 1

NY/NJ CHAIN OF CUSTODY RECORD

PHOENIX Environmental Laboratories, Inc.

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

Contact Options:
[ ] Fax:
[ ] Phone: 631-504-6000
[X] Email: file

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

Project: 842 Flushing Ave
Report to: Environmental Business Consultants
Invoice to: Environmental Business Consultants

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: TONY BRADD Date: 11-3-17

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

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs	SVOCs	Metals	Soil VOA Vials [1] methanol [2] H2O	GL Soil container (8) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 1500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
32924	SB5(0-5)	S	11-2-17	9:00	X	X	X	3	1							

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	11-3-17	11:36
[signature]	[signature]	11-3-17	1430

Comments, Special Requirements or Regulations:

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

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

NY
[ ] NY 375 GWP
[X] NY375 Unrestricted Use Soil
[X] NY375 Residential Soil
[X] Restricted/Residential
[ ] Commercial
[ ] Industrial

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

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

State where samples were collected: NY

PHOENIX
Environmental Laboratories, Inc.

Tuesday, November 07, 2017

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

Project ID: 842 FLUSHING AVE
Sample ID#s: BZ31438 - BZ31446

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,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG Comments

November 07, 2017

SDG I.D.: GBZ31438

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.

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 07, 2017

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	TB	11/01/17	10:00
Location Code:	EBC	Received by:	B	11/02/17	16:01
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBZ31438
Phoenix ID: BZ31438

Project ID: 842 FLUSHING AVE
Client ID: SB1 (0-5)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.33	0.33	mg/Kg	1	11/03/17	MA	SW6010C
Aluminum	10500	33	6.7	mg/Kg	10	11/03/17	MA	SW6010C
Arsenic	5.09	0.67	0.67	mg/Kg	1	11/03/17	MA	SW6010C
Barium	62.1	0.7	0.33	mg/Kg	1	11/03/17	MA	SW6010C
Beryllium	0.42	0.27	0.13	mg/Kg	1	11/03/17	MA	SW6010C
Calcium	19900	33	31	mg/Kg	10	11/03/17	MA	SW6010C
Cadmium	0.47	0.33	0.33	mg/Kg	1	11/03/17	MA	SW6010C
Cobalt	5.85	0.33	0.33	mg/Kg	1	11/03/17	MA	SW6010C
Chromium	20.1	0.33	0.33	mg/Kg	1	11/03/17	MA	SW6010C
Copper	123	0.33	0.33	mg/kg	1	11/03/17	MA	SW6010C
Iron	16500	33	33	mg/Kg	10	11/03/17	MA	SW6010C
Mercury	0.25	0.03	0.02	mg/Kg	1	11/03/17	RS	SW7471B
Potassium	957	7	2.6	mg/Kg	1	11/03/17	MA	SW6010C
Magnesium	2930	3.3	3.3	mg/Kg	1	11/03/17	MA	SW6010C
Manganese	333	3.3	3.3	mg/Kg	10	11/03/17	MA	SW6010C
Sodium	400	7	2.9	mg/Kg	1	11/03/17	MA	SW6010C
Nickel	12.8	0.33	0.33	mg/Kg	1	11/03/17	MA	SW6010C
Lead	62.3	0.7	0.33	mg/Kg	1	11/03/17	MA	SW6010C
Antimony	ND	1.7	1.7	mg/Kg	1	11/03/17	MA	SW6010C
Selenium	ND	1.3	1.1	mg/Kg	1	11/03/17	MA	SW6010C
Thallium	ND	1.3	1.3	mg/Kg	1	11/03/17	MA	SW6010C
Vanadium	20.7	0.33	0.33	mg/Kg	1	11/03/17	MA	SW6010C
Zinc	94.7	0.7	0.33	mg/Kg	1	11/03/17	MA	SW6010C
Percent Solid	90			%		11/02/17	Q	SW846-%Solid
Soil Extraction for SVOA	Completed					11/03/17	JJ/V	SW3545A
Mercury Digestion	Completed					11/03/17	W/W	SW7471B
Total Metals Digest	Completed					11/02/17	L/AG	SW3050B

Project ID: 842 FLUSHING AVE
Client ID: SB1 (0-5)

Phoenix I.D.: BZ31438

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		4.3	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1,1-Trichloroethane	ND		4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND		4.3	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1,2-Trichloroethane	ND		4.3	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1-Dichloroethane	ND		4.3	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1-Dichloroethene	ND		4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1-Dichloropropene	ND		4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		4.3	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2,3-Trichloropropane	ND		4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		4.3	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2,4-Trimethylbenzene	0.93	J	4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		4.3	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dibromoethane	ND		4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dichlorobenzene	ND		4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dichloroethane	ND		4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dichloropropane	ND		4.3	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
1,3,5-Trimethylbenzene	0.72	J	4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	
1,3-Dichlorobenzene	ND		4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	
1,3-Dichloropropane	ND		4.3	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
1,4-Dichlorobenzene	ND		4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	
2,2-Dichloropropane	ND		4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	
2-Chlorotoluene	ND		4.3	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
2-Hexanone	ND		22	4.3	ug/Kg	1	11/03/17	JLI	SW8260C	
2-Isopropyltoluene	2.6	J	4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	1
4-Chlorotoluene	ND		4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	
4-Methyl-2-pentanone	ND		22	4.3	ug/Kg	1	11/03/17	JLI	SW8260C	
Acetone	83	S	22	4.3	ug/Kg	1	11/03/17	JLI	SW8260C	
Acrylonitrile	ND		8.7	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
Benzene	0.45	J	4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromobenzene	ND		4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromochloromethane	ND		4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromodichloromethane	ND		4.3	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromoform	ND		4.3	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromomethane	ND		4.3	1.7	ug/Kg	1	11/03/17	JLI	SW8260C	
Carbon Disulfide	1.6	J	4.3	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
Carbon tetrachloride	ND		4.3	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
Chlorobenzene	ND		4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	
Chloroethane	ND		4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	
Chloroform	ND		4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	
Chloromethane	ND		4.3	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	
Dibromochloromethane	ND		4.3	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
Dibromomethane	ND		4.3	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
Dichlorodifluoromethane	ND		4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	
Ethylbenzene	ND		4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	
Hexachlorobutadiene	ND		4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	
Isopropylbenzene	0.89	J	4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	

Project ID: 842 FLUSHING AVE
Client ID: SB1 (0-5)

Phoenix I.D.: BZ31438

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
m&p-Xylene	1.4	J	4.3	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
Methyl Ethyl Ketone	ND		26	4.3	ug/Kg	1	11/03/17	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		8.7	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
Methylene chloride	ND		4.3	4.3	ug/Kg	1	11/03/17	JLI	SW8260C	
Naphthalene	2.8	J	4.3	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
n-Butylbenzene	3.0	J	4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	
n-Propylbenzene	2.1	J	4.3	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
o-Xylene	0.90	J	4.3	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
p-Isopropyltoluene	ND		4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	
sec-Butylbenzene	7.6		4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	
Styrene	ND		4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	
tert-Butylbenzene	0.68	J	4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	
Tetrachloroethene	1.6	J	4.3	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
Tetrahydrofuran (THF)	3.0	J	8.7	2.2	ug/Kg	1	11/03/17	JLI	SW8260C	1
Toluene	0.47	J	4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	
trans-1,2-Dichloroethene	ND		4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	
trans-1,3-Dichloropropene	ND		4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND		8.7	2.2	ug/Kg	1	11/03/17	JLI	SW8260C	
Trichloroethene	1.1	J	4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	
Trichlorofluoromethane	ND		4.3	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
Trichlorotrifluoroethane	ND		4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	
Vinyl chloride	ND		4.3	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	95				%	1	11/03/17	JLI	70 - 130 %	
% Bromofluorobenzene	107				%	1	11/03/17	JLI	70 - 130 %	
% Dibromofluoromethane	94				%	1	11/03/17	JLI	70 - 130 %	
% Toluene-d8	86				%	1	11/03/17	JLI	70 - 130 %	
1,4-dioxane										
1,4-dioxane	ND		65	35	ug/kg	1	11/03/17	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	95				%	1	11/03/17	JLI	70 - 130 %	
% Bromofluorobenzene	107				%	1	11/03/17	JLI	70 - 130 %	
% Toluene-d8	86				%	1	11/03/17	JLI	70 - 130 %	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		17	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
Acrolein	ND		17	2.2	ug/Kg	1	11/03/17	JLI	SW8260C	
Acrylonitrile	ND		17	0.43	ug/Kg	1	11/03/17	JLI	SW8260C	
Tert-butyl alcohol	ND		87	17	ug/Kg	1	11/03/17	JLI	SW8260C	
Semivolatiles										
1,2,4,5-Tetrachlorobenzene	ND		250	130	ug/Kg	1	11/04/17	DD	SW8270D	
1,2,4-Trichlorobenzene	ND		250	110	ug/Kg	1	11/04/17	DD	SW8270D	
1,2-Dichlorobenzene	ND		250	100	ug/Kg	1	11/04/17	DD	SW8270D	
1,2-Diphenylhydrazine	ND		250	120	ug/Kg	1	11/04/17	DD	SW8270D	
1,3-Dichlorobenzene	ND		250	110	ug/Kg	1	11/04/17	DD	SW8270D	
1,4-Dichlorobenzene	ND		250	110	ug/Kg	1	11/04/17	DD	SW8270D	
2,4,5-Trichlorophenol	ND		250	200	ug/Kg	1	11/04/17	DD	SW8270D	
2,4,6-Trichlorophenol	ND		180	120	ug/Kg	1	11/04/17	DD	SW8270D	

Ver 1

Project ID: 842 FLUSHING AVE
Client ID: SB1 (0-5)

Phoenix I.D.: BZ31438

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dichlorophenol	ND		180	130	ug/Kg	1	11/04/17	DD	SW8270D	
2,4-Dimethylphenol	ND		250	90	ug/Kg	1	11/04/17	DD	SW8270D	
2,4-Dinitrophenol	ND		250	250	ug/Kg	1	11/04/17	DD	SW8270D	
2,4-Dinitrotoluene	ND		180	140	ug/Kg	1	11/04/17	DD	SW8270D	
2,6-Dinitrotoluene	ND		180	120	ug/Kg	1	11/04/17	DD	SW8270D	
2-Chloronaphthalene	ND		250	100	ug/Kg	1	11/04/17	DD	SW8270D	
2-Chlorophenol	ND		250	100	ug/Kg	1	11/04/17	DD	SW8270D	
2-Methylnaphthalene	ND		250	110	ug/Kg	1	11/04/17	DD	SW8270D	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	1	11/04/17	DD	SW8270D	
2-Nitroaniline	ND		250	250	ug/Kg	1	11/04/17	DD	SW8270D	
2-Nitrophenol	ND		250	230	ug/Kg	1	11/04/17	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	1	11/04/17	DD	SW8270D	1
3,3'-Dichlorobenzidine	ND		180	170	ug/Kg	1	11/04/17	DD	SW8270D	
3-Nitroaniline	ND		360	730	ug/Kg	1	11/04/17	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND		220	73	ug/Kg	1	11/04/17	DD	SW8270D	
4-Bromophenyl phenyl ether	ND		250	110	ug/Kg	1	11/04/17	DD	SW8270D	
4-Chloro-3-methylphenol	ND		250	130	ug/Kg	1	11/04/17	DD	SW8270D	
4-Chloroaniline	ND		290	170	ug/Kg	1	11/04/17	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	1	11/04/17	DD	SW8270D	
4-Nitroaniline	ND		360	120	ug/Kg	1	11/04/17	DD	SW8270D	
4-Nitrophenol	ND		360	160	ug/Kg	1	11/04/17	DD	SW8270D	
Acenaphthene	ND		250	110	ug/Kg	1	11/04/17	DD	SW8270D	
Acenaphthylene	ND		250	100	ug/Kg	1	11/04/17	DD	SW8270D	
Acetophenone	ND		250	110	ug/Kg	1	11/04/17	DD	SW8270D	
Aniline	ND		290	290	ug/Kg	1	11/04/17	DD	SW8270D	
Anthracene	ND		250	120	ug/Kg	1	11/04/17	DD	SW8270D	
Benz(a)anthracene	250	J	250	120	ug/Kg	1	11/04/17	DD	SW8270D	
Benzidine	ND		360	210	ug/Kg	1	11/04/17	DD	SW8270D	
Benzo(a)pyrene	270		180	120	ug/Kg	1	11/04/17	DD	SW8270D	
Benzo(b)fluoranthene	200	J	250	120	ug/Kg	1	11/04/17	DD	SW8270D	
Benzo(ghi)perylene	180	J	250	120	ug/Kg	1	11/04/17	DD	SW8270D	
Benzo(k)fluoranthene	240	J	250	120	ug/Kg	1	11/04/17	DD	SW8270D	
Benzoic acid	ND		1800	730	ug/Kg	1	11/04/17	DD	SW8270D	
Benzyl butyl phthalate	ND		250	94	ug/Kg	1	11/04/17	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND		250	100	ug/Kg	1	11/04/17	DD	SW8270D	
Bis(2-chloroethyl)ether	ND		180	98	ug/Kg	1	11/04/17	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND		250	100	ug/Kg	1	11/04/17	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	1	11/04/17	DD	SW8270D	
Carbazole	ND		180	150	ug/Kg	1	11/04/17	DD	SW8270D	
Chrysene	250	J	250	120	ug/Kg	1	11/04/17	DD	SW8270D	
Dibenz(a,h)anthracene	ND		180	120	ug/Kg	1	11/04/17	DD	SW8270D	
Dibenzofuran	ND		250	110	ug/Kg	1	11/04/17	DD	SW8270D	
Diethyl phthalate	ND		250	120	ug/Kg	1	11/04/17	DD	SW8270D	
Dimethylphthalate	ND		250	110	ug/Kg	1	11/04/17	DD	SW8270D	
Di-n-butylphthalate	ND		250	97	ug/Kg	1	11/04/17	DD	SW8270D	
Di-n-octylphthalate	ND		250	94	ug/Kg	1	11/04/17	DD	SW8270D	
Fluoranthene	290		250	120	ug/Kg	1	11/04/17	DD	SW8270D	
Fluorene	ND		250	120	ug/Kg	1	11/04/17	DD	SW8270D	
Hexachlorobenzene	ND		180	110	ug/Kg	1	11/04/17	DD	SW8270D	

Project ID: 842 FLUSHING AVE
Client ID: SB1 (0-5)

Phoenix I.D.: BZ31438

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Hexachlorobutadiene	ND		250	130	ug/Kg	1	11/04/17	DD	SW8270D	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	1	11/04/17	DD	SW8270D	
Hexachloroethane	ND		180	110	ug/Kg	1	11/04/17	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	190	J	250	120	ug/Kg	1	11/04/17	DD	SW8270D	
Isophorone	220		180	100	ug/Kg	1	11/04/17	DD	SW8270D	
Naphthalene	ND		250	100	ug/Kg	1	11/04/17	DD	SW8270D	
Nitrobenzene	ND		180	130	ug/Kg	1	11/04/17	DD	SW8270D	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	1	11/04/17	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND		180	120	ug/Kg	1	11/04/17	DD	SW8270D	
N-Nitrosodiphenylamine	ND		250	140	ug/Kg	1	11/04/17	DD	SW8270D	
Pentachloronitrobenzene	ND		250	140	ug/Kg	1	11/04/17	DD	SW8270D	
Pentachlorophenol	ND		220	140	ug/Kg	1	11/04/17	DD	SW8270D	
Phenanthrene	160	J	250	100	ug/Kg	1	11/04/17	DD	SW8270D	
Phenol	ND		250	120	ug/Kg	1	11/04/17	DD	SW8270D	
Pyrene	320		250	130	ug/Kg	1	11/04/17	DD	SW8270D	
Pyridine	ND		250	90	ug/Kg	1	11/04/17	DD	SW8270D	
QA/QC Surrogates										
% 2,4,6-Tribromophenol	67				%	1	11/04/17	DD	30 - 130 %	
% 2-Fluorobiphenyl	62				%	1	11/04/17	DD	30 - 130 %	
% 2-Fluorophenol	57				%	1	11/04/17	DD	30 - 130 %	
% Nitrobenzene-d5	64				%	1	11/04/17	DD	30 - 130 %	
% Phenol-d5	63				%	1	11/04/17	DD	30 - 130 %	
% Terphenyl-d14	63				%	1	11/04/17	DD	30 - 130 %	
Field Extraction	Completed						11/01/17		SW5035A	1

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 L=Biased Low 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.

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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
November 07, 2017
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 07, 2017

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	TB	11/01/17	10:45
Location Code:	EBC	Received by:	B	11/02/17	16:01
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBZ31438
Phoenix ID: BZ31439

Project ID: 842 FLUSHING AVE
Client ID: SB2 (0-5)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.36	0.36	mg/Kg	1	11/03/17	MA	SW6010C
Aluminum	7510	36	7.2	mg/Kg	10	11/03/17	MA	SW6010C
Arsenic	4.02	0.72	0.72	mg/Kg	1	11/03/17	MA	SW6010C
Barium	83.6	0.7	0.36	mg/Kg	1	11/03/17	MA	SW6010C
Beryllium	0.55	0.29	0.14	mg/Kg	1	11/03/17	MA	SW6010C
Calcium	3830	36	33	mg/Kg	10	11/03/17	MA	SW6010C
Cadmium	0.58	0.36	0.36	mg/Kg	1	11/03/17	MA	SW6010C
Cobalt	6.03	0.36	0.36	mg/Kg	1	11/03/17	MA	SW6010C
Chromium	14.4	0.36	0.36	mg/Kg	1	11/03/17	MA	SW6010C
Copper	27.2	0.36	0.36	mg/kg	1	11/03/17	MA	SW6010C
Iron	15200	36	36	mg/Kg	10	11/03/17	MA	SW6010C
Mercury	0.32	0.03	0.02	mg/Kg	1	11/03/17	RS	SW7471B
Potassium	851	7	2.8	mg/Kg	1	11/03/17	MA	SW6010C
Magnesium	1730	3.6	3.6	mg/Kg	1	11/03/17	MA	SW6010C
Manganese	285	3.6	3.6	mg/Kg	10	11/03/17	MA	SW6010C
Sodium	453	7	3.1	mg/Kg	1	11/03/17	MA	SW6010C
Nickel	11.5	0.36	0.36	mg/Kg	1	11/03/17	MA	SW6010C
Lead	107	0.7	0.36	mg/Kg	1	11/03/17	MA	SW6010C
Antimony	ND	1.8	1.8	mg/Kg	1	11/03/17	MA	SW6010C
Selenium	ND	1.4	1.2	mg/Kg	1	11/03/17	MA	SW6010C
Thallium	ND	1.4	1.4	mg/Kg	1	11/03/17	MA	SW6010C
Vanadium	23.7	0.36	0.36	mg/Kg	1	11/03/17	MA	SW6010C
Zinc	65.0	0.7	0.36	mg/Kg	1	11/03/17	MA	SW6010C
Percent Solid	90			%		11/02/17	Q	SW846-%Solid
Soil Extraction for SVOA	Completed					11/03/17	JJ/V	SW3545A
Mercury Digestion	Completed					11/03/17	W/W	SW7471B
Total Metals Digest	Completed					11/02/17	L/AG	SW3050B

Project ID: 842 FLUSHING AVE
Client ID: SB2 (0-5)

Phoenix I.D.: BZ31439

Volatiles

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,1,1,2-Tetrachloroethane	ND		4.2	0.84	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1,1-Trichloroethane	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND		4.2	0.84	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1,2-Trichloroethane	ND		4.2	0.84	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1-Dichloroethane	ND		4.2	0.84	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1-Dichloroethene	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1-Dichloropropene	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		4.2	0.84	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2,3-Trichloropropane	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		4.2	0.84	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		4.2	0.84	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dibromoethane	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dichlorobenzene	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dichloroethane	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dichloropropane	ND		4.2	0.84	ug/Kg	1	11/03/17	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	
1,3-Dichlorobenzene	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	
1,3-Dichloropropane	ND		4.2	0.84	ug/Kg	1	11/03/17	JLI	SW8260C	
1,4-Dichlorobenzene	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	
2,2-Dichloropropane	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	
2-Chlorotoluene	ND		4.2	0.84	ug/Kg	1	11/03/17	JLI	SW8260C	
2-Hexanone	ND		21	4.2	ug/Kg	1	11/03/17	JLI	SW8260C	
2-Isopropyltoluene	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	1
4-Chlorotoluene	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	
4-Methyl-2-pentanone	ND		21	4.2	ug/Kg	1	11/03/17	JLI	SW8260C	
Acetone	6.5	JS	21	4.2	ug/Kg	1	11/03/17	JLI	SW8260C	
Acrylonitrile	ND		8.4	0.84	ug/Kg	1	11/03/17	JLI	SW8260C	
Benzene	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromobenzene	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromochloromethane	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromodichloromethane	ND		4.2	0.84	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromoform	ND		4.2	0.84	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromomethane	ND		4.2	1.7	ug/Kg	1	11/03/17	JLI	SW8260C	
Carbon Disulfide	ND		4.2	0.84	ug/Kg	1	11/03/17	JLI	SW8260C	
Carbon tetrachloride	ND		4.2	0.84	ug/Kg	1	11/03/17	JLI	SW8260C	
Chlorobenzene	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	
Chloroethane	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	
Chloroform	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	
Chloromethane	ND		4.2	0.84	ug/Kg	1	11/03/17	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	
Dibromochloromethane	ND		4.2	0.84	ug/Kg	1	11/03/17	JLI	SW8260C	
Dibromomethane	ND		4.2	0.84	ug/Kg	1	11/03/17	JLI	SW8260C	
Dichlorodifluoromethane	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	
Ethylbenzene	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	
Hexachlorobutadiene	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	
Isopropylbenzene	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	

Project ID: 842 FLUSHING AVE
Client ID: SB2 (0-5)

Phoenix I.D.: BZ31439

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
m&p-Xylene	1.1	J	4.2	0.84	ug/Kg	1	11/03/17	JLI	SW8260C	
Methyl Ethyl Ketone	ND		25	4.2	ug/Kg	1	11/03/17	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		8.4	0.84	ug/Kg	1	11/03/17	JLI	SW8260C	
Methylene chloride	ND		4.2	4.2	ug/Kg	1	11/03/17	JLI	SW8260C	
Naphthalene	110	J	360	73	ug/Kg	50	11/03/17	JLI	SW8260C	
n-Butylbenzene	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	
n-Propylbenzene	ND		4.2	0.84	ug/Kg	1	11/03/17	JLI	SW8260C	
o-Xylene	ND		4.2	0.84	ug/Kg	1	11/03/17	JLI	SW8260C	
p-Isopropyltoluene	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	
sec-Butylbenzene	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	
Styrene	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	
tert-Butylbenzene	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	
Tetrachloroethene	150		130	73	ug/Kg	50	11/03/17	JLI	SW8260C	
Tetrahydrofuran (THF)	ND		8.4	2.1	ug/Kg	1	11/03/17	JLI	SW8260C	1
Toluene	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	
trans-1,2-Dichloroethene	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	
trans-1,3-Dichloropropene	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND		8.4	2.1	ug/Kg	1	11/03/17	JLI	SW8260C	
Trichloroethene	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	
Trichlorofluoromethane	ND		4.2	0.84	ug/Kg	1	11/03/17	JLI	SW8260C	
Trichlorotrifluoroethane	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	
Vinyl chloride	ND		4.2	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	95				%	1	11/03/17	JLI	70 - 130 %	
% Bromofluorobenzene	93				%	1	11/03/17	JLI	70 - 130 %	
% Dibromofluoromethane	101				%	1	11/03/17	JLI	70 - 130 %	
% Toluene-d8	90				%	1	11/03/17	JLI	70 - 130 %	
1,4-dioxane										
1,4-dioxane	ND		63	34	ug/kg	1	11/03/17	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	95				%	1	11/03/17	JLI	70 - 130 %	
% Bromofluorobenzene	93				%	1	11/03/17	JLI	70 - 130 %	
% Toluene-d8	90				%	1	11/03/17	JLI	70 - 130 %	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		17	0.84	ug/Kg	1	11/03/17	JLI	SW8260C	
Acrolein	ND		17	2.1	ug/Kg	1	11/03/17	JLI	SW8260C	
Acrylonitrile	ND		17	0.42	ug/Kg	1	11/03/17	JLI	SW8260C	
Tert-butyl alcohol	ND		84	17	ug/Kg	1	11/03/17	JLI	SW8260C	
Semivolatiles										
1,2,4,5-Tetrachlorobenzene	ND		260	130	ug/Kg	1	11/04/17	DD	SW8270D	
1,2,4-Trichlorobenzene	ND		260	110	ug/Kg	1	11/04/17	DD	SW8270D	
1,2-Dichlorobenzene	ND		260	100	ug/Kg	1	11/04/17	DD	SW8270D	
1,2-Diphenylhydrazine	ND		260	120	ug/Kg	1	11/04/17	DD	SW8270D	
1,3-Dichlorobenzene	ND		260	110	ug/Kg	1	11/04/17	DD	SW8270D	
1,4-Dichlorobenzene	ND		260	110	ug/Kg	1	11/04/17	DD	SW8270D	
2,4,5-Trichlorophenol	ND		260	200	ug/Kg	1	11/04/17	DD	SW8270D	
2,4,6-Trichlorophenol	ND		180	120	ug/Kg	1	11/04/17	DD	SW8270D	

Ver 1

Project ID: 842 FLUSHING AVE
Client ID: SB2 (0-5)

Phoenix I.D.: BZ31439

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dichlorophenol	ND		180	130	ug/Kg	1	11/04/17	DD	SW8270D	
2,4-Dimethylphenol	ND		260	91	ug/Kg	1	11/04/17	DD	SW8270D	
2,4-Dinitrophenol	ND		260	260	ug/Kg	1	11/04/17	DD	SW8270D	
2,4-Dinitrotoluene	ND		180	140	ug/Kg	1	11/04/17	DD	SW8270D	
2,6-Dinitrotoluene	ND		180	120	ug/Kg	1	11/04/17	DD	SW8270D	
2-Chloronaphthalene	ND		260	100	ug/Kg	1	11/04/17	DD	SW8270D	
2-Chlorophenol	ND		260	100	ug/Kg	1	11/04/17	DD	SW8270D	
2-Methylnaphthalene	ND		260	110	ug/Kg	1	11/04/17	DD	SW8270D	
2-Methylphenol (o-cresol)	ND		260	170	ug/Kg	1	11/04/17	DD	SW8270D	
2-Nitroaniline	ND		260	260	ug/Kg	1	11/04/17	DD	SW8270D	
2-Nitrophenol	ND		260	230	ug/Kg	1	11/04/17	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		260	140	ug/Kg	1	11/04/17	DD	SW8270D	1
3,3'-Dichlorobenzidine	ND		180	170	ug/Kg	1	11/04/17	DD	SW8270D	
3-Nitroaniline	ND		370	730	ug/Kg	1	11/04/17	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND		220	73	ug/Kg	1	11/04/17	DD	SW8270D	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	1	11/04/17	DD	SW8270D	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	1	11/04/17	DD	SW8270D	
4-Chloroaniline	ND		290	170	ug/Kg	1	11/04/17	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND		260	120	ug/Kg	1	11/04/17	DD	SW8270D	
4-Nitroaniline	ND		370	120	ug/Kg	1	11/04/17	DD	SW8270D	
4-Nitrophenol	ND		370	170	ug/Kg	1	11/04/17	DD	SW8270D	
Acenaphthene	ND		260	110	ug/Kg	1	11/04/17	DD	SW8270D	
Acenaphthylene	ND		260	100	ug/Kg	1	11/04/17	DD	SW8270D	
Acetophenone	ND		260	110	ug/Kg	1	11/04/17	DD	SW8270D	
Aniline	ND		290	290	ug/Kg	1	11/04/17	DD	SW8270D	
Anthracene	ND		260	120	ug/Kg	1	11/04/17	DD	SW8270D	
Benz(a)anthracene	240	J	260	120	ug/Kg	1	11/04/17	DD	SW8270D	
Benzidine	ND		370	220	ug/Kg	1	11/04/17	DD	SW8270D	
Benzo(a)pyrene	200		180	120	ug/Kg	1	11/04/17	DD	SW8270D	
Benzo(b)fluoranthene	170	J	260	130	ug/Kg	1	11/04/17	DD	SW8270D	
Benzo(ghi)perylene	ND		260	120	ug/Kg	1	11/04/17	DD	SW8270D	
Benzo(k)fluoranthene	190	J	260	120	ug/Kg	1	11/04/17	DD	SW8270D	
Benzoic acid	ND		1800	730	ug/Kg	1	11/04/17	DD	SW8270D	
Benzyl butyl phthalate	ND		260	95	ug/Kg	1	11/04/17	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	1	11/04/17	DD	SW8270D	
Bis(2-chloroethyl)ether	ND		180	99	ug/Kg	1	11/04/17	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	1	11/04/17	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND		260	110	ug/Kg	1	11/04/17	DD	SW8270D	
Carbazole	ND		180	150	ug/Kg	1	11/04/17	DD	SW8270D	
Chrysene	250	J	260	120	ug/Kg	1	11/04/17	DD	SW8270D	
Dibenz(a,h)anthracene	ND		180	120	ug/Kg	1	11/04/17	DD	SW8270D	
Dibenzofuran	ND		260	110	ug/Kg	1	11/04/17	DD	SW8270D	
Diethyl phthalate	ND		260	120	ug/Kg	1	11/04/17	DD	SW8270D	
Dimethylphthalate	ND		260	110	ug/Kg	1	11/04/17	DD	SW8270D	
Di-n-butylphthalate	ND		260	98	ug/Kg	1	11/04/17	DD	SW8270D	
Di-n-octylphthalate	ND		260	95	ug/Kg	1	11/04/17	DD	SW8270D	
Fluoranthene	550		260	120	ug/Kg	1	11/04/17	DD	SW8270D	
Fluorene	ND		260	120	ug/Kg	1	11/04/17	DD	SW8270D	
Hexachlorobenzene	ND		180	110	ug/Kg	1	11/04/17	DD	SW8270D	

Project ID: 842 FLUSHING AVE
Client ID: SB2 (0-5)

Phoenix I.D.: BZ31439

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Hexachlorobutadiene	ND		260	130	ug/Kg	1	11/04/17	DD	SW8270D	
Hexachlorocyclopentadiene	ND		260	110	ug/Kg	1	11/04/17	DD	SW8270D	
Hexachloroethane	ND		180	110	ug/Kg	1	11/04/17	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	130	J	260	120	ug/Kg	1	11/04/17	DD	SW8270D	
Isophorone	180	J	180	100	ug/Kg	1	11/04/17	DD	SW8270D	
Naphthalene	ND		260	110	ug/Kg	1	11/04/17	DD	SW8270D	
Nitrobenzene	ND		180	130	ug/Kg	1	11/04/17	DD	SW8270D	
N-Nitrosodimethylamine	ND		260	100	ug/Kg	1	11/04/17	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND		180	120	ug/Kg	1	11/04/17	DD	SW8270D	
N-Nitrosodiphenylamine	ND		260	140	ug/Kg	1	11/04/17	DD	SW8270D	
Pentachloronitrobenzene	ND		260	140	ug/Kg	1	11/04/17	DD	SW8270D	
Pentachlorophenol	ND		220	140	ug/Kg	1	11/04/17	DD	SW8270D	
Phenanthrene	450		260	110	ug/Kg	1	11/04/17	DD	SW8270D	
Phenol	ND		260	120	ug/Kg	1	11/04/17	DD	SW8270D	
Pyrene	470		260	130	ug/Kg	1	11/04/17	DD	SW8270D	
Pyridine	ND		260	90	ug/Kg	1	11/04/17	DD	SW8270D	
QA/QC Surrogates										
% 2,4,6-Tribromophenol	75				%	1	11/04/17	DD	30 - 130 %	
% 2-Fluorobiphenyl	67				%	1	11/04/17	DD	30 - 130 %	
% 2-Fluorophenol	60				%	1	11/04/17	DD	30 - 130 %	
% Nitrobenzene-d5	68				%	1	11/04/17	DD	30 - 130 %	
% Phenol-d5	65				%	1	11/04/17	DD	30 - 130 %	
% Terphenyl-d14	69				%	1	11/04/17	DD	30 - 130 %	
Field Extraction	Completed						11/01/17		SW5035A	1

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 L=Biased Low 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.

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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
November 07, 2017
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 07, 2017

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	TB	11/01/17	11:00
Location Code:	EBC	Received by:	B	11/02/17	16:01
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBZ31438
Phoenix ID: BZ31440

Project ID: 842 FLUSHING AVE
Client ID: SB2 (5-7)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	4.1	0.82	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1,1-Trichloroethane	ND	4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	4.1	0.82	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1,2-Trichloroethane	ND	4.1	0.82	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1-Dichloroethane	ND	4.1	0.82	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1-Dichloroethene	ND	4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1-Dichloropropene	ND	4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	4.1	0.82	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2,3-Trichloropropane	ND	4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	4.1	0.82	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	4.1	0.82	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dibromoethane	ND	4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dichlorobenzene	ND	4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dichloroethane	ND	4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dichloropropane	ND	4.1	0.82	ug/Kg	1	11/03/17	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
1,3-Dichlorobenzene	ND	4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
1,3-Dichloropropane	ND	4.1	0.82	ug/Kg	1	11/03/17	JLI	SW8260C	
1,4-Dichlorobenzene	ND	4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
2,2-Dichloropropane	ND	4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
2-Chlorotoluene	ND	4.1	0.82	ug/Kg	1	11/03/17	JLI	SW8260C	
2-Hexanone	ND	21	4.1	ug/Kg	1	11/03/17	JLI	SW8260C	
2-Isopropyltoluene	ND	4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	1
4-Chlorotoluene	ND	4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
4-Methyl-2-pentanone	ND	21	4.1	ug/Kg	1	11/03/17	JLI	SW8260C	

Project ID: 842 FLUSHING AVE
Client ID: SB2 (5-7)

Phoenix I.D.: BZ31440

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	5.5	JS	21	4.1	ug/Kg	1	11/03/17	JLI	SW8260C	
Acrylonitrile	ND		8.2	0.82	ug/Kg	1	11/03/17	JLI	SW8260C	
Benzene	ND		4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromobenzene	ND		4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromochloromethane	ND		4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromodichloromethane	ND		4.1	0.82	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromoform	ND		4.1	0.82	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromomethane	ND		4.1	1.6	ug/Kg	1	11/03/17	JLI	SW8260C	
Carbon Disulfide	ND		4.1	0.82	ug/Kg	1	11/03/17	JLI	SW8260C	
Carbon tetrachloride	ND		4.1	0.82	ug/Kg	1	11/03/17	JLI	SW8260C	
Chlorobenzene	ND		4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
Chloroethane	ND		4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
Chloroform	ND		4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
Chloromethane	ND		4.1	0.82	ug/Kg	1	11/03/17	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
Dibromochloromethane	ND		4.1	0.82	ug/Kg	1	11/03/17	JLI	SW8260C	
Dibromomethane	ND		4.1	0.82	ug/Kg	1	11/03/17	JLI	SW8260C	
Dichlorodifluoromethane	ND		4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
Ethylbenzene	ND		4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
Hexachlorobutadiene	ND		4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
Isopropylbenzene	ND		4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
m&p-Xylene	ND		4.1	0.82	ug/Kg	1	11/03/17	JLI	SW8260C	
Methyl Ethyl Ketone	ND		25	4.1	ug/Kg	1	11/03/17	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		8.2	0.82	ug/Kg	1	11/03/17	JLI	SW8260C	
Methylene chloride	ND		4.1	4.1	ug/Kg	1	11/03/17	JLI	SW8260C	
Naphthalene	ND		4.1	0.82	ug/Kg	1	11/03/17	JLI	SW8260C	
n-Butylbenzene	ND		4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
n-Propylbenzene	ND		4.1	0.82	ug/Kg	1	11/03/17	JLI	SW8260C	
o-Xylene	ND		4.1	0.82	ug/Kg	1	11/03/17	JLI	SW8260C	
p-Isopropyltoluene	ND		4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
sec-Butylbenzene	ND		4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
Styrene	ND		4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
tert-Butylbenzene	ND		4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
Tetrachloroethene	2.6	J	4.1	0.82	ug/Kg	1	11/03/17	JLI	SW8260C	
Tetrahydrofuran (THF)	ND		8.2	2.1	ug/Kg	1	11/03/17	JLI	SW8260C	1
Toluene	ND		4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
trans-1,2-Dichloroethene	ND		4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
trans-1,3-Dichloropropene	ND		4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND		8.2	2.1	ug/Kg	1	11/03/17	JLI	SW8260C	
Trichloroethene	ND		4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
Trichlorofluoromethane	ND		4.1	0.82	ug/Kg	1	11/03/17	JLI	SW8260C	
Trichlorotrifluoroethane	ND		4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
Vinyl chloride	ND		4.1	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	94				%	1	11/03/17	JLI	70 - 130 %	
% Bromofluorobenzene	99				%	1	11/03/17	JLI	70 - 130 %	
% Dibromofluoromethane	100				%	1	11/03/17	JLI	70 - 130 %	
% Toluene-d8	91				%	1	11/03/17	JLI	70 - 130 %	

Ver 1

Project ID: 842 FLUSHING AVE
Client ID: SB2 (5-7)

Phoenix I.D.: BZ31440

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,4-dioxane									
1,4-dioxane	ND	62	33	ug/kg	1	11/03/17	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	94			%	1	11/03/17	JLI	70 - 130 %	
% Bromofluorobenzene	99			%	1	11/03/17	JLI	70 - 130 %	
% Toluene-d8	91			%	1	11/03/17	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	16	0.82	ug/Kg	1	11/03/17	JLI	SW8260C	
Acrolein	ND	16	2.1	ug/Kg	1	11/03/17	JLI	SW8260C	
Acrylonitrile	ND	16	0.41	ug/Kg	1	11/03/17	JLI	SW8260C	
Tert-butyl alcohol	ND	82	16	ug/Kg	1	11/03/17	JLI	SW8260C	
Field Extraction	Completed					11/01/17		SW5035A	1

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 L=Biased Low 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:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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.
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Phyllis Shiller, Laboratory Director
November 07, 2017
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 07, 2017

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	TB	11/01/17	11:30
Location Code:	EBC	Received by:	B	11/02/17	16:01
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBZ31438
Phoenix ID: BZ31441

Project ID: 842 FLUSHING AVE
Client ID: SB3 (0-5)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	0.51	0.38	0.38	mg/Kg	1	11/03/17	MA	SW6010C
Aluminum	5260	38	7.5	mg/Kg	10	11/03/17	MA	SW6010C
Arsenic	4.13	0.75	0.75	mg/Kg	1	11/03/17	MA	SW6010C
Barium	105	0.8	0.38	mg/Kg	1	11/03/17	MA	SW6010C
Beryllium	0.30	0.30	0.15	mg/Kg	1	11/03/17	MA	SW6010C
Calcium	48600	38	35	mg/Kg	10	11/03/17	MA	SW6010C
Cadmium	1.16	0.38	0.38	mg/Kg	1	11/03/17	MA	SW6010C
Cobalt	4.77	0.38	0.38	mg/Kg	1	11/03/17	MA	SW6010C
Chromium	18.9	0.38	0.38	mg/Kg	1	11/03/17	MA	SW6010C
Copper	9440	38	38	mg/kg	100	11/06/17	EK	SW6010C
Iron	14300	38	38	mg/Kg	10	11/03/17	MA	SW6010C
Mercury	0.15	0.03	0.02	mg/Kg	1	11/03/17	RS	SW7471B
Potassium	1200	8	2.9	mg/Kg	1	11/03/17	MA	SW6010C
Magnesium	8040	38	38	mg/Kg	10	11/03/17	MA	SW6010C
Manganese	183	3.8	3.8	mg/Kg	10	11/03/17	MA	SW6010C
Sodium	856	8	3.2	mg/Kg	1	11/03/17	MA	SW6010C
Nickel	14.3	0.38	0.38	mg/Kg	1	11/03/17	MA	SW6010C
Lead	334	7.5	3.8	mg/Kg	10	11/03/17	MA	SW6010C
Antimony	ND	1.9	1.9	mg/Kg	1	11/03/17	MA	SW6010C
Selenium	ND	1.5	1.3	mg/Kg	1	11/03/17	MA	SW6010C
Thallium	ND	1.5	1.5	mg/Kg	1	11/03/17	MA	SW6010C
Vanadium	27.4	0.38	0.38	mg/Kg	1	11/03/17	MA	SW6010C
Zinc	3510	75	38	mg/Kg	100	11/06/17	EK	SW6010C
Percent Solid	92			%		11/02/17	Q	SW846-%Solid
Soil Extraction for SVOA	Completed					11/03/17	JJ/V	SW3545A
Mercury Digestion	Completed					11/03/17	W/W	SW7471B
Total Metals Digest	Completed					11/02/17	L/AG	SW3050B

Project ID: 842 FLUSHING AVE
Client ID: SB3 (0-5)

Phoenix I.D.: BZ31441

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		6.1	1.2	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1,1-Trichloroethane	ND		6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND		6.1	1.2	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1,2-Trichloroethane	ND		6.1	1.2	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1-Dichloroethane	ND		6.1	1.2	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1-Dichloroethene	ND		6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1-Dichloropropene	ND		6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		6.1	1.2	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2,3-Trichloropropane	ND		6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		6.1	1.2	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2,4-Trimethylbenzene	110		6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		6.1	1.2	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dibromoethane	ND		6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dichlorobenzene	ND		6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dichloroethane	ND		6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dichloropropane	ND		6.1	1.2	ug/Kg	1	11/03/17	JLI	SW8260C	
1,3,5-Trimethylbenzene	41		6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	
1,3-Dichlorobenzene	ND		6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	
1,3-Dichloropropane	ND		6.1	1.2	ug/Kg	1	11/03/17	JLI	SW8260C	
1,4-Dichlorobenzene	ND		6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	
2,2-Dichloropropane	ND		6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	
2-Chlorotoluene	ND		6.1	1.2	ug/Kg	1	11/03/17	JLI	SW8260C	
2-Hexanone	ND		31	6.1	ug/Kg	1	11/03/17	JLI	SW8260C	
2-Isopropyltoluene	0.68	J	6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	1
4-Chlorotoluene	ND		6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	
4-Methyl-2-pentanone	ND		31	6.1	ug/Kg	1	11/03/17	JLI	SW8260C	
Acetone	54	S	31	6.1	ug/Kg	1	11/03/17	JLI	SW8260C	
Acrylonitrile	ND		12	1.2	ug/Kg	1	11/03/17	JLI	SW8260C	
Benzene	ND		6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromobenzene	ND		6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromochloromethane	ND		6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromodichloromethane	ND		6.1	1.2	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromoform	ND		6.1	1.2	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromomethane	ND		6.1	2.5	ug/Kg	1	11/03/17	JLI	SW8260C	
Carbon Disulfide	ND		6.1	1.2	ug/Kg	1	11/03/17	JLI	SW8260C	
Carbon tetrachloride	ND		6.1	1.2	ug/Kg	1	11/03/17	JLI	SW8260C	
Chlorobenzene	ND		6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	
Chloroethane	ND		6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	
Chloroform	ND		6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	
Chloromethane	ND		6.1	1.2	ug/Kg	1	11/03/17	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	
Dibromochloromethane	ND		6.1	1.2	ug/Kg	1	11/03/17	JLI	SW8260C	
Dibromomethane	ND		6.1	1.2	ug/Kg	1	11/03/17	JLI	SW8260C	
Dichlorodifluoromethane	ND		6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	
Ethylbenzene	1.9	J	6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	
Hexachlorobutadiene	ND		6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	
Isopropylbenzene	2.3	J	6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	

Ver 1

Project ID: 842 FLUSHING AVE
Client ID: SB3 (0-5)

Phoenix I.D.: BZ31441

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
m&p-Xylene	10		6.1	1.2	ug/Kg	1	11/03/17	JLI	SW8260C	
Methyl Ethyl Ketone	56		37	6.1	ug/Kg	1	11/03/17	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		12	1.2	ug/Kg	1	11/03/17	JLI	SW8260C	
Methylene chloride	ND		6.1	6.1	ug/Kg	1	11/03/17	JLI	SW8260C	
Naphthalene	25		6.1	1.2	ug/Kg	1	11/03/17	JLI	SW8260C	
n-Butylbenzene	3.5	J	6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	
n-Propylbenzene	7.9		6.1	1.2	ug/Kg	1	11/03/17	JLI	SW8260C	
o-Xylene	12		6.1	1.2	ug/Kg	1	11/03/17	JLI	SW8260C	
p-Isopropyltoluene	1.6	J	6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	
sec-Butylbenzene	2.6	J	6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	
Styrene	ND		6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	
tert-Butylbenzene	ND		6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	
Tetrachloroethene	100	J	370	74	ug/Kg	50	11/03/17	JLI	SW8260C	
Tetrahydrofuran (THF)	ND		12	3.1	ug/Kg	1	11/03/17	JLI	SW8260C	1
Toluene	9.8		6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	
trans-1,2-Dichloroethene	ND		6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	
trans-1,3-Dichloropropene	ND		6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND		12	3.1	ug/Kg	1	11/03/17	JLI	SW8260C	
Trichloroethene	ND		6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	
Trichlorofluoromethane	ND		6.1	1.2	ug/Kg	1	11/03/17	JLI	SW8260C	
Trichlorotrifluoroethane	ND		6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	
Vinyl chloride	ND		6.1	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	91				%	1	11/03/17	JLI	70 - 130 %	
% Bromofluorobenzene	85				%	1	11/03/17	JLI	70 - 130 %	
% Dibromofluoromethane	109				%	1	11/03/17	JLI	70 - 130 %	
% Toluene-d8	80				%	1	11/03/17	JLI	70 - 130 %	
1,4-dioxane										
1,4-dioxane	ND		92	49	ug/kg	1	11/03/17	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	91				%	1	11/03/17	JLI	70 - 130 %	
% Bromofluorobenzene	85				%	1	11/03/17	JLI	70 - 130 %	
% Toluene-d8	80				%	1	11/03/17	JLI	70 - 130 %	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		25	1.2	ug/Kg	1	11/03/17	JLI	SW8260C	
Acrolein	ND		25	3.1	ug/Kg	1	11/03/17	JLI	SW8260C	
Acrylonitrile	ND		25	0.61	ug/Kg	1	11/03/17	JLI	SW8260C	
Tert-butyl alcohol	ND		120	25	ug/Kg	1	11/03/17	JLI	SW8260C	
Semivolatiles										
1,2,4,5-Tetrachlorobenzene	ND		2500	1300	ug/Kg	10	11/04/17	DD	SW8270D	
1,2,4-Trichlorobenzene	ND		2500	1100	ug/Kg	10	11/04/17	DD	SW8270D	
1,2-Dichlorobenzene	ND		1100	1000	ug/Kg	10	11/04/17	DD	SW8270D	
1,2-Diphenylhydrazine	ND		2500	1200	ug/Kg	10	11/04/17	DD	SW8270D	
1,3-Dichlorobenzene	ND		2400	1100	ug/Kg	10	11/04/17	DD	SW8270D	
1,4-Dichlorobenzene	ND		1800	1100	ug/Kg	10	11/04/17	DD	SW8270D	
2,4,5-Trichlorophenol	ND		2500	2000	ug/Kg	10	11/04/17	DD	SW8270D	
2,4,6-Trichlorophenol	ND		1800	1100	ug/Kg	10	11/04/17	DD	SW8270D	

Ver 1

Project ID: 842 FLUSHING AVE
Client ID: SB3 (0-5)

Phoenix I.D.: BZ31441

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dichlorophenol	ND		1800	1300	ug/Kg	10	11/04/17	DD	SW8270D	
2,4-Dimethylphenol	ND		2500	890	ug/Kg	10	11/04/17	DD	SW8270D	
2,4-Dinitrophenol	ND		2500	2500	ug/Kg	10	11/04/17	DD	SW8270D	
2,4-Dinitrotoluene	ND		1800	1400	ug/Kg	10	11/04/17	DD	SW8270D	
2,6-Dinitrotoluene	ND		1800	1100	ug/Kg	10	11/04/17	DD	SW8270D	
2-Chloronaphthalene	ND		2500	1000	ug/Kg	10	11/04/17	DD	SW8270D	
2-Chlorophenol	ND		2500	1000	ug/Kg	10	11/04/17	DD	SW8270D	
2-Methylnaphthalene	1500	J	2500	1100	ug/Kg	10	11/04/17	DD	SW8270D	
2-Methylphenol (o-cresol)	ND		1700	1700	ug/Kg	10	11/04/17	DD	SW8270D	
2-Nitroaniline	ND		2500	2500	ug/Kg	10	11/04/17	DD	SW8270D	
2-Nitrophenol	ND		2500	2300	ug/Kg	10	11/04/17	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		2500	1400	ug/Kg	10	11/04/17	DD	SW8270D	1
3,3'-Dichlorobenzidine	ND		1800	1700	ug/Kg	10	11/04/17	DD	SW8270D	
3-Nitroaniline	ND		3600	7200	ug/Kg	10	11/04/17	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND		2100	720	ug/Kg	10	11/04/17	DD	SW8270D	
4-Bromophenyl phenyl ether	ND		2500	1100	ug/Kg	10	11/04/17	DD	SW8270D	
4-Chloro-3-methylphenol	ND		2500	1300	ug/Kg	10	11/04/17	DD	SW8270D	
4-Chloroaniline	ND		2900	1700	ug/Kg	10	11/04/17	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND		2500	1200	ug/Kg	10	11/04/17	DD	SW8270D	
4-Nitroaniline	ND		3600	1200	ug/Kg	10	11/04/17	DD	SW8270D	
4-Nitrophenol	ND		3600	1600	ug/Kg	10	11/04/17	DD	SW8270D	
Acenaphthene	ND		2500	1100	ug/Kg	10	11/04/17	DD	SW8270D	
Acenaphthylene	ND		2500	1000	ug/Kg	10	11/04/17	DD	SW8270D	
Acetophenone	ND		2500	1100	ug/Kg	10	11/04/17	DD	SW8270D	
Aniline	ND		2900	2900	ug/Kg	10	11/04/17	DD	SW8270D	
Anthracene	ND		2500	1200	ug/Kg	10	11/04/17	DD	SW8270D	
Benz(a)anthracene	ND		1200	1200	ug/Kg	10	11/04/17	DD	SW8270D	
Benzidine	ND		3600	2100	ug/Kg	10	11/04/17	DD	SW8270D	
Benzo(a)pyrene	ND		1200	1200	ug/Kg	10	11/04/17	DD	SW8270D	
Benzo(b)fluoranthene	ND		1200	1200	ug/Kg	10	11/04/17	DD	SW8270D	
Benzo(ghi)perylene	ND		2500	1200	ug/Kg	10	11/04/17	DD	SW8270D	
Benzo(k)fluoranthene	ND		1200	1200	ug/Kg	10	11/04/17	DD	SW8270D	
Benzoic acid	ND		18000	7200	ug/Kg	10	11/04/17	DD	SW8270D	
Benzyl butyl phthalate	2100	J	2500	920	ug/Kg	10	11/04/17	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND		2500	990	ug/Kg	10	11/04/17	DD	SW8270D	
Bis(2-chloroethyl)ether	ND		1800	970	ug/Kg	10	11/04/17	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND		2500	990	ug/Kg	10	11/04/17	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	2300	J	2500	1000	ug/Kg	10	11/04/17	DD	SW8270D	
Carbazole	ND		1800	1400	ug/Kg	10	11/04/17	DD	SW8270D	
Chrysene	ND		1200	1200	ug/Kg	10	11/04/17	DD	SW8270D	
Dibenz(a,h)anthracene	ND		1200	1200	ug/Kg	10	11/04/17	DD	SW8270D	
Dibenzofuran	ND		1000	1000	ug/Kg	10	11/04/17	DD	SW8270D	
Diethyl phthalate	ND		2500	1100	ug/Kg	10	11/04/17	DD	SW8270D	
Dimethylphthalate	ND		2500	1100	ug/Kg	10	11/04/17	DD	SW8270D	
Di-n-butylphthalate	ND		2500	950	ug/Kg	10	11/04/17	DD	SW8270D	
Di-n-octylphthalate	ND		2500	920	ug/Kg	10	11/04/17	DD	SW8270D	
Fluoranthene	ND		2500	1200	ug/Kg	10	11/04/17	DD	SW8270D	
Fluorene	ND		2500	1200	ug/Kg	10	11/04/17	DD	SW8270D	
Hexachlorobenzene	ND		1000	1000	ug/Kg	10	11/04/17	DD	SW8270D	

Project ID: 842 FLUSHING AVE
Client ID: SB3 (0-5)

Phoenix I.D.: BZ31441

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Hexachlorobutadiene	ND	2500	1300	ug/Kg	10	11/04/17	DD	SW8270D	
Hexachlorocyclopentadiene	ND	2500	1100	ug/Kg	10	11/04/17	DD	SW8270D	
Hexachloroethane	ND	1800	1100	ug/Kg	10	11/04/17	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	1200	1200	ug/Kg	10	11/04/17	DD	SW8270D	
Isophorone	ND	1800	1000	ug/Kg	10	11/04/17	DD	SW8270D	
Naphthalene	ND	2500	1000	ug/Kg	10	11/04/17	DD	SW8270D	
Nitrobenzene	ND	1800	1300	ug/Kg	10	11/04/17	DD	SW8270D	
N-Nitrosodimethylamine	ND	2500	1000	ug/Kg	10	11/04/17	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	1800	1200	ug/Kg	10	11/04/17	DD	SW8270D	
N-Nitrosodiphenylamine	ND	2500	1400	ug/Kg	10	11/04/17	DD	SW8270D	
Pentachloronitrobenzene	ND	2500	1300	ug/Kg	10	11/04/17	DD	SW8270D	
Pentachlorophenol	ND	1400	1400	ug/Kg	10	11/04/17	DD	SW8270D	
Phenanthrene	ND	2500	1000	ug/Kg	10	11/04/17	DD	SW8270D	
Phenol	ND	1100	1100	ug/Kg	10	11/04/17	DD	SW8270D	
Pyrene	ND	2500	1200	ug/Kg	10	11/04/17	DD	SW8270D	
Pyridine	ND	2500	880	ug/Kg	10	11/04/17	DD	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	Diluted Out			%	10	11/04/17	DD	30 - 130 %	
% 2-Fluorobiphenyl	Diluted Out			%	10	11/04/17	DD	30 - 130 %	
% 2-Fluorophenol	Diluted Out			%	10	11/04/17	DD	30 - 130 %	
% Nitrobenzene-d5	Diluted Out			%	10	11/04/17	DD	30 - 130 %	
% Phenol-d5	Diluted Out			%	10	11/04/17	DD	30 - 130 %	
% Terphenyl-d14	Diluted Out			%	10	11/04/17	DD	30 - 130 %	
Field Extraction	Completed					11/01/17		SW5035A	1

Project ID: 842 FLUSHING AVE
Client ID: SB3 (0-5)

Phoenix I.D.: BZ31441

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

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

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

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.

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

Semi-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.

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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
November 07, 2017
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 07, 2017

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	TB	11/01/17	11:45
Location Code:	EBC	Received by:	B	11/02/17	16:01
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBZ31438
Phoenix ID: BZ31442

Project ID: 842 FLUSHING AVE
Client ID: SB3 (5-7)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	4.4	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1,1-Trichloroethane	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	4.4	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1,2-Trichloroethane	ND	4.4	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1-Dichloroethane	ND	4.4	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1-Dichloroethene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1-Dichloropropene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	4.4	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2,3-Trichloropropane	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	4.4	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	4.4	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dibromoethane	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dichlorobenzene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dichloroethane	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dichloropropane	ND	4.4	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
1,3-Dichlorobenzene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
1,3-Dichloropropane	ND	4.4	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
1,4-Dichlorobenzene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
2,2-Dichloropropane	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
2-Chlorotoluene	ND	4.4	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
2-Hexanone	ND	22	4.4	ug/Kg	1	11/03/17	JLI	SW8260C	
2-Isopropyltoluene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	1
4-Chlorotoluene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
4-Methyl-2-pentanone	ND	22	4.4	ug/Kg	1	11/03/17	JLI	SW8260C	

Project ID: 842 FLUSHING AVE
Client ID: SB3 (5-7)

Phoenix I.D.: BZ31442

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	22	4.4	ug/Kg	1	11/03/17	JLI	SW8260C	
Acrylonitrile	ND	8.7	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
Benzene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromobenzene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromochloromethane	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromodichloromethane	ND	4.4	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromoform	ND	4.4	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromomethane	ND	4.4	1.7	ug/Kg	1	11/03/17	JLI	SW8260C	
Carbon Disulfide	ND	4.4	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
Carbon tetrachloride	ND	4.4	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
Chlorobenzene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Chloroethane	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Chloroform	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Chloromethane	ND	4.4	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Dibromochloromethane	ND	4.4	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
Dibromomethane	ND	4.4	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
Dichlorodifluoromethane	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Ethylbenzene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Hexachlorobutadiene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Isopropylbenzene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
m&p-Xylene	ND	4.4	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
Methyl Ethyl Ketone	ND	26	4.4	ug/Kg	1	11/03/17	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	8.7	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
Methylene chloride	ND	4.4	4.4	ug/Kg	1	11/03/17	JLI	SW8260C	
Naphthalene	ND	4.4	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
n-Butylbenzene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
n-Propylbenzene	ND	4.4	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
o-Xylene	ND	4.4	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
p-Isopropyltoluene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
sec-Butylbenzene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Styrene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
tert-Butylbenzene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Tetrachloroethene	ND	4.4	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	8.7	2.2	ug/Kg	1	11/03/17	JLI	SW8260C	1
Toluene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	8.7	2.2	ug/Kg	1	11/03/17	JLI	SW8260C	
Trichloroethene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Trichlorofluoromethane	ND	4.4	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
Trichlorotrifluoroethane	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Vinyl chloride	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	94			%	1	11/03/17	JLI	70 - 130 %	
% Bromofluorobenzene	99			%	1	11/03/17	JLI	70 - 130 %	
% Dibromofluoromethane	100			%	1	11/03/17	JLI	70 - 130 %	
% Toluene-d8	90			%	1	11/03/17	JLI	70 - 130 %	

Project ID: 842 FLUSHING AVE
Client ID: SB3 (5-7)

Phoenix I.D.: BZ31442

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,4-dioxane									
1,4-dioxane	ND	65	35	ug/kg	1	11/03/17	JLI	SW8260C	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	17	0.87	ug/Kg	1	11/03/17	JLI	SW8260C	
Acrolein	ND	17	2.2	ug/Kg	1	11/03/17	JLI	SW8260C	
Acrylonitrile	ND	17	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Tert-butyl alcohol	ND	87	17	ug/Kg	1	11/03/17	JLI	SW8260C	
Field Extraction	Completed					11/01/17		SW5035A	1

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 L=Biased Low 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:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
November 07, 2017
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 07, 2017

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	TB	11/01/17	13:00
Location Code:	EBC	Received by:	B	11/02/17	16:01
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBZ31438
Phoenix ID: BZ31443

Project ID: 842 FLUSHING AVE
Client ID: SB4 (0-5)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.33	0.33	mg/Kg	1	11/03/17	MA	SW6010C
Aluminum	7400	33	6.6	mg/Kg	10	11/03/17	MA	SW6010C
Arsenic	2.56	0.66	0.66	mg/Kg	1	11/03/17	MA	SW6010C
Barium	39.9	0.7	0.33	mg/Kg	1	11/03/17	MA	SW6010C
Beryllium	0.51	0.26	0.13	mg/Kg	1	11/03/17	MA	SW6010C
Calcium	1030	33	30	mg/Kg	10	11/03/17	MA	SW6010C
Cadmium	0.43	0.33	0.33	mg/Kg	1	11/03/17	MA	SW6010C
Cobalt	8.58	0.33	0.33	mg/Kg	1	11/03/17	MA	SW6010C
Chromium	22.0	0.33	0.33	mg/Kg	1	11/03/17	MA	SW6010C
Copper	27.3	0.33	0.33	mg/kg	1	11/03/17	MA	SW6010C
Iron	21200	33	33	mg/Kg	10	11/03/17	MA	SW6010C
Mercury	ND	0.03	0.02	mg/Kg	1	11/03/17	RS	SW7471B
Potassium	1460	7	2.6	mg/Kg	1	11/03/17	MA	SW6010C
Magnesium	1850	3.3	3.3	mg/Kg	1	11/03/17	MA	SW6010C
Manganese	418	3.3	3.3	mg/Kg	10	11/03/17	MA	SW6010C
Sodium	510	7	2.8	mg/Kg	1	11/03/17	MA	SW6010C
Nickel	12.4	0.33	0.33	mg/Kg	1	11/03/17	MA	SW6010C
Lead	5.1	0.7	0.33	mg/Kg	1	11/03/17	MA	SW6010C
Antimony	ND	1.7	1.7	mg/Kg	1	11/03/17	MA	SW6010C
Selenium	ND	1.3	1.1	mg/Kg	1	11/03/17	MA	SW6010C
Thallium	ND	1.3	1.3	mg/Kg	1	11/03/17	MA	SW6010C
Vanadium	29.1	0.33	0.33	mg/Kg	1	11/03/17	MA	SW6010C
Zinc	36.1	0.7	0.33	mg/Kg	1	11/03/17	MA	SW6010C
Percent Solid	91			%		11/02/17	Q	SW846-%Solid
Soil Extraction for SVOA	Completed					11/03/17	AA/V	SW3545A
Mercury Digestion	Completed					11/03/17	W/W	SW7471B
Total Metals Digest	Completed					11/02/17	L/AG	SW3050B

Project ID: 842 FLUSHING AVE
Client ID: SB4 (0-5)

Phoenix I.D.: BZ31443

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	4.7	0.93	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1,1-Trichloroethane	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	4.7	0.93	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1,2-Trichloroethane	ND	4.7	0.93	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1-Dichloroethane	ND	4.7	0.93	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1-Dichloroethene	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1-Dichloropropene	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	4.7	0.93	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2,3-Trichloropropane	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	4.7	0.93	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	4.7	0.93	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dibromoethane	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dichlorobenzene	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dichloroethane	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dichloropropane	ND	4.7	0.93	ug/Kg	1	11/03/17	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	
1,3-Dichlorobenzene	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	
1,3-Dichloropropane	ND	4.7	0.93	ug/Kg	1	11/03/17	JLI	SW8260C	
1,4-Dichlorobenzene	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	
2,2-Dichloropropane	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	
2-Chlorotoluene	ND	4.7	0.93	ug/Kg	1	11/03/17	JLI	SW8260C	
2-Hexanone	ND	23	4.7	ug/Kg	1	11/03/17	JLI	SW8260C	
2-Isopropyltoluene	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	1
4-Chlorotoluene	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	
4-Methyl-2-pentanone	ND	23	4.7	ug/Kg	1	11/03/17	JLI	SW8260C	
Acetone	ND	23	4.7	ug/Kg	1	11/03/17	JLI	SW8260C	
Acrylonitrile	ND	9.3	0.93	ug/Kg	1	11/03/17	JLI	SW8260C	
Benzene	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromobenzene	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromochloromethane	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromodichloromethane	ND	4.7	0.93	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromoform	ND	4.7	0.93	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromomethane	ND	4.7	1.9	ug/Kg	1	11/03/17	JLI	SW8260C	
Carbon Disulfide	ND	4.7	0.93	ug/Kg	1	11/03/17	JLI	SW8260C	
Carbon tetrachloride	ND	4.7	0.93	ug/Kg	1	11/03/17	JLI	SW8260C	
Chlorobenzene	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	
Chloroethane	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	
Chloroform	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	
Chloromethane	ND	4.7	0.93	ug/Kg	1	11/03/17	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	
Dibromochloromethane	ND	4.7	0.93	ug/Kg	1	11/03/17	JLI	SW8260C	
Dibromomethane	ND	4.7	0.93	ug/Kg	1	11/03/17	JLI	SW8260C	
Dichlorodifluoromethane	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	
Ethylbenzene	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	
Hexachlorobutadiene	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	
Isopropylbenzene	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	

Ver 1

Project ID: 842 FLUSHING AVE
Client ID: SB4 (0-5)

Phoenix I.D.: BZ31443

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
m&p-Xylene	ND	4.7	0.93	ug/Kg	1	11/03/17	JLI	SW8260C	
Methyl Ethyl Ketone	ND	28	4.7	ug/Kg	1	11/03/17	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	9.3	0.93	ug/Kg	1	11/03/17	JLI	SW8260C	
Methylene chloride	ND	4.7	4.7	ug/Kg	1	11/03/17	JLI	SW8260C	
Naphthalene	ND	4.7	0.93	ug/Kg	1	11/03/17	JLI	SW8260C	
n-Butylbenzene	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	
n-Propylbenzene	ND	4.7	0.93	ug/Kg	1	11/03/17	JLI	SW8260C	
o-Xylene	ND	4.7	0.93	ug/Kg	1	11/03/17	JLI	SW8260C	
p-Isopropyltoluene	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	
sec-Butylbenzene	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	
Styrene	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	
tert-Butylbenzene	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	
Tetrachloroethene	ND	4.7	0.93	ug/Kg	1	11/03/17	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	9.3	2.3	ug/Kg	1	11/03/17	JLI	SW8260C	1
Toluene	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	9.3	2.3	ug/Kg	1	11/03/17	JLI	SW8260C	
Trichloroethene	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	
Trichlorofluoromethane	ND	4.7	0.93	ug/Kg	1	11/03/17	JLI	SW8260C	
Trichlorotrifluoroethane	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	
Vinyl chloride	ND	4.7	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	93			%	1	11/03/17	JLI	70 - 130 %	
% Bromofluorobenzene	101			%	1	11/03/17	JLI	70 - 130 %	
% Dibromofluoromethane	104			%	1	11/03/17	JLI	70 - 130 %	
% Toluene-d8	90			%	1	11/03/17	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	70	37	ug/kg	1	11/03/17	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	93			%	1	11/03/17	JLI	70 - 130 %	
% Bromofluorobenzene	101			%	1	11/03/17	JLI	70 - 130 %	
% Toluene-d8	90			%	1	11/03/17	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	19	0.93	ug/Kg	1	11/03/17	JLI	SW8260C	
Acrolein	ND	19	2.3	ug/Kg	1	11/03/17	JLI	SW8260C	
Acrylonitrile	ND	19	0.47	ug/Kg	1	11/03/17	JLI	SW8260C	
Tert-butyl alcohol	ND	93	19	ug/Kg	1	11/03/17	JLI	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	11/04/17	DD	SW8270D	
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	1	11/04/17	DD	SW8270D	
1,2-Dichlorobenzene	ND	250	100	ug/Kg	1	11/04/17	DD	SW8270D	
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	1	11/04/17	DD	SW8270D	
1,3-Dichlorobenzene	ND	250	110	ug/Kg	1	11/04/17	DD	SW8270D	
1,4-Dichlorobenzene	ND	250	110	ug/Kg	1	11/04/17	DD	SW8270D	
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	1	11/04/17	DD	SW8270D	
2,4,6-Trichlorophenol	ND	180	120	ug/Kg	1	11/04/17	DD	SW8270D	

Project ID: 842 FLUSHING AVE
Client ID: SB4 (0-5)

Phoenix I.D.: BZ31443

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	11/04/17	DD	SW8270D	
2,4-Dimethylphenol	ND	250	90	ug/Kg	1	11/04/17	DD	SW8270D	
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	11/04/17	DD	SW8270D	
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	11/04/17	DD	SW8270D	
2,6-Dinitrotoluene	ND	180	110	ug/Kg	1	11/04/17	DD	SW8270D	
2-Chloronaphthalene	ND	250	100	ug/Kg	1	11/04/17	DD	SW8270D	
2-Chlorophenol	ND	250	100	ug/Kg	1	11/04/17	DD	SW8270D	
2-Methylnaphthalene	ND	250	110	ug/Kg	1	11/04/17	DD	SW8270D	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	11/04/17	DD	SW8270D	
2-Nitroaniline	ND	250	250	ug/Kg	1	11/04/17	DD	SW8270D	
2-Nitrophenol	ND	250	230	ug/Kg	1	11/04/17	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	11/04/17	DD	SW8270D	1
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	11/04/17	DD	SW8270D	
3-Nitroaniline	ND	360	730	ug/Kg	1	11/04/17	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	220	73	ug/Kg	1	11/04/17	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	1	11/04/17	DD	SW8270D	
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	1	11/04/17	DD	SW8270D	
4-Chloroaniline	ND	290	170	ug/Kg	1	11/04/17	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	11/04/17	DD	SW8270D	
4-Nitroaniline	ND	360	120	ug/Kg	1	11/04/17	DD	SW8270D	
4-Nitrophenol	ND	360	160	ug/Kg	1	11/04/17	DD	SW8270D	
Acenaphthene	ND	250	110	ug/Kg	1	11/04/17	DD	SW8270D	
Acenaphthylene	ND	250	100	ug/Kg	1	11/04/17	DD	SW8270D	
Acetophenone	ND	250	110	ug/Kg	1	11/04/17	DD	SW8270D	
Aniline	ND	290	290	ug/Kg	1	11/04/17	DD	SW8270D	
Anthracene	ND	250	120	ug/Kg	1	11/04/17	DD	SW8270D	
Benz(a)anthracene	ND	250	120	ug/Kg	1	11/04/17	DD	SW8270D	
Benzidine	ND	360	210	ug/Kg	1	11/04/17	DD	SW8270D	
Benzo(a)pyrene	ND	180	120	ug/Kg	1	11/04/17	DD	SW8270D	
Benzo(b)fluoranthene	ND	250	120	ug/Kg	1	11/04/17	DD	SW8270D	
Benzo(ghi)perylene	ND	250	120	ug/Kg	1	11/04/17	DD	SW8270D	
Benzo(k)fluoranthene	ND	250	120	ug/Kg	1	11/04/17	DD	SW8270D	
Benzoic acid	ND	1800	730	ug/Kg	1	11/04/17	DD	SW8270D	
Benzyl butyl phthalate	ND	250	94	ug/Kg	1	11/04/17	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	250	100	ug/Kg	1	11/04/17	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	180	98	ug/Kg	1	11/04/17	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	250	100	ug/Kg	1	11/04/17	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	11/04/17	DD	SW8270D	
Carbazole	ND	180	150	ug/Kg	1	11/04/17	DD	SW8270D	
Chrysene	ND	250	120	ug/Kg	1	11/04/17	DD	SW8270D	
Dibenz(a,h)anthracene	ND	180	120	ug/Kg	1	11/04/17	DD	SW8270D	
Dibenzofuran	ND	250	110	ug/Kg	1	11/04/17	DD	SW8270D	
Diethyl phthalate	ND	250	110	ug/Kg	1	11/04/17	DD	SW8270D	
Dimethylphthalate	ND	250	110	ug/Kg	1	11/04/17	DD	SW8270D	
Di-n-butylphthalate	ND	250	97	ug/Kg	1	11/04/17	DD	SW8270D	
Di-n-octylphthalate	ND	250	94	ug/Kg	1	11/04/17	DD	SW8270D	
Fluoranthene	ND	250	120	ug/Kg	1	11/04/17	DD	SW8270D	
Fluorene	ND	250	120	ug/Kg	1	11/04/17	DD	SW8270D	
Hexachlorobenzene	ND	180	110	ug/Kg	1	11/04/17	DD	SW8270D	

Project ID: 842 FLUSHING AVE
Client ID: SB4 (0-5)

Phoenix I.D.: BZ31443

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Hexachlorobutadiene	ND	250	130	ug/Kg	1	11/04/17	DD	SW8270D	
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	11/04/17	DD	SW8270D	
Hexachloroethane	ND	180	110	ug/Kg	1	11/04/17	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	1	11/04/17	DD	SW8270D	
Isophorone	ND	180	100	ug/Kg	1	11/04/17	DD	SW8270D	
Naphthalene	ND	250	100	ug/Kg	1	11/04/17	DD	SW8270D	
Nitrobenzene	ND	180	130	ug/Kg	1	11/04/17	DD	SW8270D	
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	11/04/17	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	180	120	ug/Kg	1	11/04/17	DD	SW8270D	
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	1	11/04/17	DD	SW8270D	
Pentachloronitrobenzene	ND	250	140	ug/Kg	1	11/04/17	DD	SW8270D	
Pentachlorophenol	ND	220	140	ug/Kg	1	11/04/17	DD	SW8270D	
Phenanthrene	ND	250	100	ug/Kg	1	11/04/17	DD	SW8270D	
Phenol	ND	250	120	ug/Kg	1	11/04/17	DD	SW8270D	
Pyrene	ND	250	130	ug/Kg	1	11/04/17	DD	SW8270D	
Pyridine	ND	250	89	ug/Kg	1	11/04/17	DD	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	73			%	1	11/04/17	DD	30 - 130 %	
% 2-Fluorobiphenyl	63			%	1	11/04/17	DD	30 - 130 %	
% 2-Fluorophenol	56			%	1	11/04/17	DD	30 - 130 %	
% Nitrobenzene-d5	60			%	1	11/04/17	DD	30 - 130 %	
% Phenol-d5	60			%	1	11/04/17	DD	30 - 130 %	
% Terphenyl-d14	66			%	1	11/04/17	DD	30 - 130 %	
Field Extraction	Completed					11/01/17		SW5035A	1

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 L=Biased Low 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.

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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
November 07, 2017
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 07, 2017

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	TB	11/01/17	13:45
Location Code:	EBC	Received by:	B	11/02/17	16:01
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBZ31438
Phoenix ID: BZ31444

Project ID: 842 FLUSHING AVE
Client ID: SB4 (5-7)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	3.8	0.75	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1,1-Trichloroethane	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	3.8	0.75	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1,2-Trichloroethane	ND	3.8	0.75	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1-Dichloroethane	ND	3.8	0.75	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1-Dichloroethene	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1-Dichloropropene	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	3.8	0.75	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2,3-Trichloropropane	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	3.8	0.75	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	3.8	0.75	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dibromoethane	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dichlorobenzene	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dichloroethane	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dichloropropane	ND	3.8	0.75	ug/Kg	1	11/03/17	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
1,3-Dichlorobenzene	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
1,3-Dichloropropane	ND	3.8	0.75	ug/Kg	1	11/03/17	JLI	SW8260C	
1,4-Dichlorobenzene	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
2,2-Dichloropropane	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
2-Chlorotoluene	ND	3.8	0.75	ug/Kg	1	11/03/17	JLI	SW8260C	
2-Hexanone	ND	19	3.8	ug/Kg	1	11/03/17	JLI	SW8260C	
2-Isopropyltoluene	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	1
4-Chlorotoluene	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
4-Methyl-2-pentanone	ND	19	3.8	ug/Kg	1	11/03/17	JLI	SW8260C	

Project ID: 842 FLUSHING AVE
Client ID: SB4 (5-7)

Phoenix I.D.: BZ31444

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	19	3.8	ug/Kg	1	11/03/17	JLI	SW8260C	
Acrylonitrile	ND	7.5	0.75	ug/Kg	1	11/03/17	JLI	SW8260C	
Benzene	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromobenzene	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromochloromethane	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromodichloromethane	ND	3.8	0.75	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromoform	ND	3.8	0.75	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromomethane	ND	3.8	1.5	ug/Kg	1	11/03/17	JLI	SW8260C	
Carbon Disulfide	ND	3.8	0.75	ug/Kg	1	11/03/17	JLI	SW8260C	
Carbon tetrachloride	ND	3.8	0.75	ug/Kg	1	11/03/17	JLI	SW8260C	
Chlorobenzene	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
Chloroethane	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
Chloroform	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
Chloromethane	ND	3.8	0.75	ug/Kg	1	11/03/17	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
Dibromochloromethane	ND	3.8	0.75	ug/Kg	1	11/03/17	JLI	SW8260C	
Dibromomethane	ND	3.8	0.75	ug/Kg	1	11/03/17	JLI	SW8260C	
Dichlorodifluoromethane	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
Ethylbenzene	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
Hexachlorobutadiene	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
Isopropylbenzene	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
m&p-Xylene	ND	3.8	0.75	ug/Kg	1	11/03/17	JLI	SW8260C	
Methyl Ethyl Ketone	ND	23	3.8	ug/Kg	1	11/03/17	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	7.5	0.75	ug/Kg	1	11/03/17	JLI	SW8260C	
Methylene chloride	ND	3.8	3.8	ug/Kg	1	11/03/17	JLI	SW8260C	
Naphthalene	ND	3.8	0.75	ug/Kg	1	11/03/17	JLI	SW8260C	
n-Butylbenzene	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
n-Propylbenzene	ND	3.8	0.75	ug/Kg	1	11/03/17	JLI	SW8260C	
o-Xylene	ND	3.8	0.75	ug/Kg	1	11/03/17	JLI	SW8260C	
p-Isopropyltoluene	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
sec-Butylbenzene	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
Styrene	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
tert-Butylbenzene	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
Tetrachloroethene	ND	3.8	0.75	ug/Kg	1	11/03/17	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	7.5	1.9	ug/Kg	1	11/03/17	JLI	SW8260C	1
Toluene	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	7.5	1.9	ug/Kg	1	11/03/17	JLI	SW8260C	
Trichloroethene	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
Trichlorofluoromethane	ND	3.8	0.75	ug/Kg	1	11/03/17	JLI	SW8260C	
Trichlorotrifluoroethane	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
Vinyl chloride	ND	3.8	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	95			%	1	11/03/17	JLI	70 - 130 %	
% Bromofluorobenzene	100			%	1	11/03/17	JLI	70 - 130 %	
% Dibromofluoromethane	100			%	1	11/03/17	JLI	70 - 130 %	
% Toluene-d8	90			%	1	11/03/17	JLI	70 - 130 %	

Project ID: 842 FLUSHING AVE
Client ID: SB4 (5-7)

Phoenix I.D.: BZ31444

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,4-dioxane									
1,4-dioxane	ND	56	30	ug/kg	1	11/03/17	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	95			%	1	11/03/17	JLI	70 - 130 %	
% Bromofluorobenzene	100			%	1	11/03/17	JLI	70 - 130 %	
% Toluene-d8	90			%	1	11/03/17	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	15	0.75	ug/Kg	1	11/03/17	JLI	SW8260C	
Acrolein	ND	15	1.9	ug/Kg	1	11/03/17	JLI	SW8260C	
Acrylonitrile	ND	15	0.38	ug/Kg	1	11/03/17	JLI	SW8260C	
Tert-butyl alcohol	ND	75	15	ug/Kg	1	11/03/17	JLI	SW8260C	
Field Extraction	Completed					11/01/17		SW5035A	1

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 L=Biased Low 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:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
November 07, 2017
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 07, 2017

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	TB	11/01/17	14:00
Location Code:	EBC	Received by:	B	11/02/17	16:01
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBZ31438
Phoenix ID: BZ31445

Project ID: 842 FLUSHING AVE
Client ID: SB6 (0-5)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.35	0.35	mg/Kg	1	11/03/17	MA	SW6010C
Aluminum	10800	35	7.0	mg/Kg	10	11/03/17	MA	SW6010C
Arsenic	2.67	0.70	0.70	mg/Kg	1	11/03/17	MA	SW6010C
Barium	46.4	0.7	0.35	mg/Kg	1	11/03/17	MA	SW6010C
Beryllium	0.72	0.28	0.14	mg/Kg	1	11/03/17	MA	SW6010C
Calcium	1620	35	32	mg/Kg	10	11/03/17	MA	SW6010C
Cadmium	0.53	0.35	0.35	mg/Kg	1	11/03/17	MA	SW6010C
Cobalt	8.62	0.35	0.35	mg/Kg	1	11/03/17	MA	SW6010C
Chromium	24.4	0.35	0.35	mg/Kg	1	11/03/17	MA	SW6010C
Copper	24.9	0.35	0.35	mg/kg	1	11/03/17	MA	SW6010C
Iron	26300	35	35	mg/Kg	10	11/03/17	MA	SW6010C
Mercury	0.33	0.03	0.02	mg/Kg	1	11/03/17	RS	SW7471B
Potassium	1430	7	2.7	mg/Kg	1	11/03/17	MA	SW6010C
Magnesium	1900	3.5	3.5	mg/Kg	1	11/03/17	MA	SW6010C
Manganese	297	3.5	3.5	mg/Kg	10	11/03/17	MA	SW6010C
Sodium	108	7	3.0	mg/Kg	1	11/03/17	MA	SW6010C
Nickel	12.4	0.35	0.35	mg/Kg	1	11/03/17	MA	SW6010C
Lead	57.5	0.7	0.35	mg/Kg	1	11/03/17	MA	SW6010C
Antimony	ND	1.8	1.8	mg/Kg	1	11/03/17	MA	SW6010C
Selenium	ND	1.4	1.2	mg/Kg	1	11/03/17	MA	SW6010C
Thallium	ND	1.4	1.4	mg/Kg	1	11/03/17	MA	SW6010C
Vanadium	34.2	0.35	0.35	mg/Kg	1	11/03/17	MA	SW6010C
Zinc	62.7	0.7	0.35	mg/Kg	1	11/03/17	MA	SW6010C
Percent Solid	90			%		11/02/17	Q	SW846-%Solid
Soil Extraction for SVOA	Completed					11/02/17	BJ/CKV	SW3545A
Mercury Digestion	Completed					11/03/17	W/W	SW7471B
Total Metals Digest	Completed					11/02/17	L/AG	SW3050B

Project ID: 842 FLUSHING AVE
Client ID: SB6 (0-5)

Phoenix I.D.: BZ31445

Volatiles

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,1,1,2-Tetrachloroethane	ND		4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1,1-Trichloroethane	ND		4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND		4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1,2-Trichloroethane	ND		4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1-Dichloroethane	ND		4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1-Dichloroethene	ND		4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1-Dichloropropene	ND		4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2,3-Trichloropropane	ND		4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND		4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dibromoethane	ND		4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dichlorobenzene	ND		4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dichloroethane	ND		4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dichloropropane	ND		4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND		4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
1,3-Dichlorobenzene	ND		4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
1,3-Dichloropropane	ND		4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
1,4-Dichlorobenzene	ND		4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
2,2-Dichloropropane	ND		4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
2-Chlorotoluene	ND		4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
2-Hexanone	ND		22	4.4	ug/Kg	1	11/03/17	JLI	SW8260C	
2-Isopropyltoluene	ND		4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	1
4-Chlorotoluene	ND		4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
4-Methyl-2-pentanone	ND		22	4.4	ug/Kg	1	11/03/17	JLI	SW8260C	
Acetone	4.7	JS	22	4.4	ug/Kg	1	11/03/17	JLI	SW8260C	
Acrylonitrile	ND		8.8	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
Benzene	ND		4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromobenzene	ND		4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromochloromethane	ND		4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromodichloromethane	ND		4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromoform	ND		4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromomethane	ND		4.4	1.8	ug/Kg	1	11/03/17	JLI	SW8260C	
Carbon Disulfide	ND		4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
Carbon tetrachloride	ND		4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
Chlorobenzene	ND		4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Chloroethane	ND		4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Chloroform	ND		4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Chloromethane	ND		4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Dibromochloromethane	ND		4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
Dibromomethane	ND		4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
Dichlorodifluoromethane	ND		4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Ethylbenzene	ND		4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Hexachlorobutadiene	ND		4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Isopropylbenzene	ND		4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	

Ver 1

Project ID: 842 FLUSHING AVE
Client ID: SB6 (0-5)

Phoenix I.D.: BZ31445

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
m&p-Xylene	ND	4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
Methyl Ethyl Ketone	ND	26	4.4	ug/Kg	1	11/03/17	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	8.8	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
Methylene chloride	ND	4.4	4.4	ug/Kg	1	11/03/17	JLI	SW8260C	
Naphthalene	ND	4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
n-Butylbenzene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
n-Propylbenzene	ND	4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
o-Xylene	ND	4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
p-Isopropyltoluene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
sec-Butylbenzene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Styrene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
tert-Butylbenzene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Tetrachloroethene	ND	4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	8.8	2.2	ug/Kg	1	11/03/17	JLI	SW8260C	1
Toluene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	8.8	2.2	ug/Kg	1	11/03/17	JLI	SW8260C	
Trichloroethene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Trichlorofluoromethane	ND	4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
Trichlorotrifluoroethane	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Vinyl chloride	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	94			%	1	11/03/17	JLI	70 - 130 %	
% Bromofluorobenzene	97			%	1	11/03/17	JLI	70 - 130 %	
% Dibromofluoromethane	102			%	1	11/03/17	JLI	70 - 130 %	
% Toluene-d8	90			%	1	11/03/17	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	66	35	ug/kg	1	11/03/17	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	94			%	1	11/03/17	JLI	70 - 130 %	
% Bromofluorobenzene	97			%	1	11/03/17	JLI	70 - 130 %	
% Toluene-d8	90			%	1	11/03/17	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	18	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
Acrolein	ND	18	2.2	ug/Kg	1	11/03/17	JLI	SW8260C	
Acrylonitrile	ND	18	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Tert-butyl alcohol	ND	88	18	ug/Kg	1	11/03/17	JLI	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	11/02/17	DD	SW8270D	
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	1	11/02/17	DD	SW8270D	
1,2-Dichlorobenzene	ND	260	100	ug/Kg	1	11/02/17	DD	SW8270D	
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	1	11/02/17	DD	SW8270D	
1,3-Dichlorobenzene	ND	260	110	ug/Kg	1	11/02/17	DD	SW8270D	
1,4-Dichlorobenzene	ND	260	110	ug/Kg	1	11/02/17	DD	SW8270D	
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	1	11/02/17	DD	SW8270D	
2,4,6-Trichlorophenol	ND	180	120	ug/Kg	1	11/02/17	DD	SW8270D	

Ver 1

Project ID: 842 FLUSHING AVE
Client ID: SB6 (0-5)

Phoenix I.D.: BZ31445

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	11/02/17	DD	SW8270D	
2,4-Dimethylphenol	ND	260	92	ug/Kg	1	11/02/17	DD	SW8270D	
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	11/02/17	DD	SW8270D	
2,4-Dinitrotoluene	ND	180	150	ug/Kg	1	11/02/17	DD	SW8270D	
2,6-Dinitrotoluene	ND	180	120	ug/Kg	1	11/02/17	DD	SW8270D	
2-Chloronaphthalene	ND	260	100	ug/Kg	1	11/02/17	DD	SW8270D	
2-Chlorophenol	ND	260	100	ug/Kg	1	11/02/17	DD	SW8270D	
2-Methylnaphthalene	670	260	110	ug/Kg	1	11/02/17	DD	SW8270D	
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	1	11/02/17	DD	SW8270D	
2-Nitroaniline	ND	260	260	ug/Kg	1	11/02/17	DD	SW8270D	
2-Nitrophenol	ND	260	230	ug/Kg	1	11/02/17	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	1	11/02/17	DD	SW8270D	1
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	11/02/17	DD	SW8270D	
3-Nitroaniline	ND	370	740	ug/Kg	1	11/02/17	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	220	74	ug/Kg	1	11/02/17	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	11/02/17	DD	SW8270D	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	11/02/17	DD	SW8270D	
4-Chloroaniline	ND	300	170	ug/Kg	1	11/02/17	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	1	11/02/17	DD	SW8270D	
4-Nitroaniline	ND	370	120	ug/Kg	1	11/02/17	DD	SW8270D	
4-Nitrophenol	ND	370	170	ug/Kg	1	11/02/17	DD	SW8270D	
Acenaphthene	2000	260	110	ug/Kg	1	11/02/17	DD	SW8270D	
Acenaphthylene	300	260	100	ug/Kg	1	11/02/17	DD	SW8270D	
Acetophenone	ND	260	120	ug/Kg	1	11/02/17	DD	SW8270D	
Aniline	ND	300	300	ug/Kg	1	11/02/17	DD	SW8270D	
Anthracene	3200	260	120	ug/Kg	1	11/02/17	DD	SW8270D	
Benz(a)anthracene	11000	2600	1200	ug/Kg	10	11/03/17	DD	SW8270D	
Benzidine	ND	370	220	ug/Kg	1	11/02/17	DD	SW8270D	
Benzo(a)pyrene	10000	1800	1200	ug/Kg	10	11/03/17	DD	SW8270D	
Benzo(b)fluoranthene	9200	2600	1300	ug/Kg	10	11/03/17	DD	SW8270D	
Benzo(ghi)perylene	5000	260	120	ug/Kg	1	11/02/17	DD	SW8270D	
Benzo(k)fluoranthene	8800	2600	1200	ug/Kg	10	11/03/17	DD	SW8270D	
Benzoic acid	ND	1800	740	ug/Kg	1	11/02/17	DD	SW8270D	
Benzyl butyl phthalate	ND	260	95	ug/Kg	1	11/02/17	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	11/02/17	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	180	100	ug/Kg	1	11/02/17	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	1	11/02/17	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	11/02/17	DD	SW8270D	
Carbazole	1200	180	150	ug/Kg	1	11/02/17	DD	SW8270D	
Chrysene	13000	2600	1200	ug/Kg	10	11/03/17	DD	SW8270D	
Dibenz(a,h)anthracene	1200	180	120	ug/Kg	1	11/02/17	DD	SW8270D	
Dibenzofuran	1500	260	110	ug/Kg	1	11/02/17	DD	SW8270D	
Diethyl phthalate	ND	260	120	ug/Kg	1	11/02/17	DD	SW8270D	
Dimethylphthalate	ND	260	110	ug/Kg	1	11/02/17	DD	SW8270D	
Di-n-butylphthalate	ND	260	98	ug/Kg	1	11/02/17	DD	SW8270D	
Di-n-octylphthalate	ND	260	95	ug/Kg	1	11/02/17	DD	SW8270D	
Fluoranthene	26000	2600	1200	ug/Kg	10	11/03/17	DD	SW8270D	
Fluorene	1700	260	120	ug/Kg	1	11/02/17	DD	SW8270D	
Hexachlorobenzene	ND	180	110	ug/Kg	1	11/02/17	DD	SW8270D	

Project ID: 842 FLUSHING AVE
Client ID: SB6 (0-5)

Phoenix I.D.: BZ31445

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Hexachlorobutadiene	ND	260	130	ug/Kg	1	11/02/17	DD	SW8270D	
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	11/02/17	DD	SW8270D	
Hexachloroethane	ND	180	110	ug/Kg	1	11/02/17	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	5300	260	120	ug/Kg	1	11/02/17	DD	SW8270D	
Isophorone	ND	180	100	ug/Kg	1	11/02/17	DD	SW8270D	
Naphthalene	970	260	110	ug/Kg	1	11/02/17	DD	SW8270D	
Nitrobenzene	ND	180	130	ug/Kg	1	11/02/17	DD	SW8270D	
N-Nitrosodimethylamine	ND	260	100	ug/Kg	1	11/02/17	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	180	120	ug/Kg	1	11/02/17	DD	SW8270D	
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	1	11/02/17	DD	SW8270D	
Pentachloronitrobenzene	ND	260	140	ug/Kg	1	11/02/17	DD	SW8270D	
Pentachlorophenol	ND	220	140	ug/Kg	1	11/02/17	DD	SW8270D	
Phenanthrene	25000	2600	1100	ug/Kg	10	11/03/17	DD	SW8270D	
Phenol	ND	260	120	ug/Kg	1	11/02/17	DD	SW8270D	
Pyrene	28000	2600	1300	ug/Kg	10	11/03/17	DD	SW8270D	
Pyridine	ND	260	91	ug/Kg	1	11/02/17	DD	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	55			%	1	11/02/17	DD	30 - 130 %	
% 2-Fluorobiphenyl	59			%	1	11/02/17	DD	30 - 130 %	
% 2-Fluorophenol	43			%	1	11/02/17	DD	30 - 130 %	
% Nitrobenzene-d5	55			%	1	11/02/17	DD	30 - 130 %	
% Phenol-d5	53			%	1	11/02/17	DD	30 - 130 %	
% Terphenyl-d14	49			%	1	11/02/17	DD	30 - 130 %	
Field Extraction	Completed					11/01/17		SW5035A	1

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 L=Biased Low 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.

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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
November 07, 2017
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 07, 2017

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	TB	11/01/17	14:30
Location Code:	EBC	Received by:	B	11/02/17	16:01
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBZ31438
Phoenix ID: BZ31446

Project ID: 842 FLUSHING AVE
Client ID: SB6 (5-7)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1,1-Trichloroethane	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1,2-Trichloroethane	ND	4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1-Dichloroethane	ND	4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1-Dichloroethene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
1,1-Dichloropropene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2,3-Trichloropropane	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dibromoethane	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dichlorobenzene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dichloroethane	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
1,2-Dichloropropane	ND	4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
1,3-Dichlorobenzene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
1,3-Dichloropropane	ND	4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
1,4-Dichlorobenzene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
2,2-Dichloropropane	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
2-Chlorotoluene	ND	4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
2-Hexanone	ND	22	4.4	ug/Kg	1	11/03/17	JLI	SW8260C	
2-Isopropyltoluene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	1
4-Chlorotoluene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
4-Methyl-2-pentanone	ND	22	4.4	ug/Kg	1	11/03/17	JLI	SW8260C	

Project ID: 842 FLUSHING AVE
Client ID: SB6 (5-7)

Phoenix I.D.: BZ31446

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	22	4.4	ug/Kg	1	11/03/17	JLI	SW8260C	
Acrylonitrile	ND	8.8	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
Benzene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromobenzene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromochloromethane	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromodichloromethane	ND	4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromoform	ND	4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
Bromomethane	ND	4.4	1.8	ug/Kg	1	11/03/17	JLI	SW8260C	
Carbon Disulfide	ND	4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
Carbon tetrachloride	ND	4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
Chlorobenzene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Chloroethane	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Chloroform	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Chloromethane	ND	4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Dibromochloromethane	ND	4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
Dibromomethane	ND	4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
Dichlorodifluoromethane	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Ethylbenzene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Hexachlorobutadiene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Isopropylbenzene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
m&p-Xylene	ND	4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
Methyl Ethyl Ketone	ND	26	4.4	ug/Kg	1	11/03/17	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	8.8	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
Methylene chloride	ND	4.4	4.4	ug/Kg	1	11/03/17	JLI	SW8260C	
Naphthalene	ND	4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
n-Butylbenzene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
n-Propylbenzene	ND	4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
o-Xylene	ND	4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
p-Isopropyltoluene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
sec-Butylbenzene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Styrene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
tert-Butylbenzene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Tetrachloroethene	ND	4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	8.8	2.2	ug/Kg	1	11/03/17	JLI	SW8260C	1
Toluene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	8.8	2.2	ug/Kg	1	11/03/17	JLI	SW8260C	
Trichloroethene	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Trichlorofluoromethane	ND	4.4	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
Trichlorotrifluoroethane	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Vinyl chloride	ND	4.4	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	94			%	1	11/03/17	JLI	70 - 130 %	
% Bromofluorobenzene	99			%	1	11/03/17	JLI	70 - 130 %	
% Dibromofluoromethane	102			%	1	11/03/17	JLI	70 - 130 %	
% Toluene-d8	91			%	1	11/03/17	JLI	70 - 130 %	

Project ID: 842 FLUSHING AVE
Client ID: SB6 (5-7)

Phoenix I.D.: BZ31446

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,4-dioxane									
1,4-dioxane	ND	66	35	ug/kg	1	11/03/17	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	94			%	1	11/03/17	JLI	70 - 130 %	
% Bromofluorobenzene	99			%	1	11/03/17	JLI	70 - 130 %	
% Toluene-d8	91			%	1	11/03/17	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	18	0.88	ug/Kg	1	11/03/17	JLI	SW8260C	
Acrolein	ND	18	2.2	ug/Kg	1	11/03/17	JLI	SW8260C	
Acrylonitrile	ND	18	0.44	ug/Kg	1	11/03/17	JLI	SW8260C	
Tert-butyl alcohol	ND	88	18	ug/Kg	1	11/03/17	JLI	SW8260C	
Field Extraction	Completed					11/01/17		SW5035A	1

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 L=Biased Low 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:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
November 07, 2017
Reviewed and Released by: Ethan Lee, Project Manager

Tuesday, November 07, 2017

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

State: NY

Sample Criteria Exceedances Report

GBZ31438 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BZ31438	$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Ground Water Protection	83	22	50	50	ug/Kg
BZ31438	$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	83	22	50	50	ug/Kg
BZ31438	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	123	0.33	50	50	mg/kg
BZ31438	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.25	0.03	0.18	0.18	mg/Kg
BZ31439	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.32	0.03	0.18	0.18	mg/Kg
BZ31439	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	107	0.7	63	63	mg/Kg
BZ31441	$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Ground Water Protection	54	31	50	50	ug/Kg
BZ31441	$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	54	31	50	50	ug/Kg
BZ31441	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	ND	1200	1000	1000	ug/Kg
BZ31441	$8270SMRDP	Phenol	NY / 375-6.8 Semivolatiles / Ground Water Protection	ND	1100	330	330	ug/Kg
BZ31441	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	ND	1200	1000	1000	ug/Kg
BZ31441	$8270SMRDP	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Ground Water Protection	ND	1400	800	800	ug/Kg
BZ31441	$8270SMRDP	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Ground Water Protection	ND	1700	330	330	ug/Kg
BZ31441	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	ND	1200	1000	1000	ug/Kg
BZ31441	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	1200	1000	1000	ug/Kg
BZ31441	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	1200	500	500	ug/Kg
BZ31441	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	1200	330	330	ug/Kg
BZ31441	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	ND	1200	1000	1000	ug/Kg
BZ31441	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	ND	1200	1000	1000	ug/Kg
BZ31441	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	1200	1000	1000	ug/Kg
BZ31441	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	1200	500	500	ug/Kg
BZ31441	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	1200	330	330	ug/Kg
BZ31441	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	1200	1000	1000	ug/Kg
BZ31441	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	1200	1000	1000	ug/Kg
BZ31441	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	1200	1000	1000	ug/Kg
BZ31441	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1200	800	800	ug/Kg
BZ31441	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1200	1000	1000	ug/Kg
BZ31441	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1200	1000	1000	ug/Kg
BZ31441	$8270SMRDP	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1100	330	330	ug/Kg
BZ31441	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1200	330	330	ug/Kg
BZ31441	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1200	1000	1000	ug/Kg
BZ31441	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1200	500	500	ug/Kg
BZ31441	$8270SMRDP	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1700	330	330	ug/Kg
BZ31441	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1200	1000	1000	ug/Kg
BZ31441	$8270SMRDP	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1400	800	800	ug/Kg
BZ31441	$8270SMRDP	Hexachlorobenzene	NY / 375-6.8 Volatiles / Residential	ND	1000	330	330	ug/Kg
BZ31441	$8270SMRDP	Dibenzofuran	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1000	330	330	ug/Kg
BZ31441	CU-SM	Copper	NY / 375-6.8 Metals / Ground Water Protection	9440	38	1720	1720	mg/kg
BZ31441	CU-SM	Copper	NY / 375-6.8 Metals / Residential	9440	38	270	270	mg/kg
BZ31441	CU-SM	Copper	NY / 375-6.8 Metals / Residential Restricted	9440	38	270	270	mg/kg

Tuesday, November 07, 2017

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

State: NY

Sample Criteria Exceedances Report

GBZ31438 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BZ31441	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	9440	38	50	50	mg/kg
BZ31441	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	334	7.5	63	63	mg/Kg
BZ31441	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Ground Water Protection	3510	75	2480	2480	mg/Kg
BZ31441	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Residential	3510	75	2200	2200	mg/Kg
BZ31441	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	3510	75	109	109	mg/Kg
BZ31445	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	8800	2600	1700	1700	ug/Kg
BZ31445	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	13000	2600	1000	1000	ug/Kg
BZ31445	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	11000	2600	1000	1000	ug/Kg
BZ31445	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	9200	2600	1700	1700	ug/Kg
BZ31445	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	13000	2600	1000	1000	ug/Kg
BZ31445	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	8800	2600	1000	1000	ug/Kg
BZ31445	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	5300	260	500	500	ug/Kg
BZ31445	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	1200	180	330	330	ug/Kg
BZ31445	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	11000	2600	1000	1000	ug/Kg
BZ31445	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	10000	1800	1000	1000	ug/Kg
BZ31445	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	9200	2600	1000	1000	ug/Kg
BZ31445	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	11000	2600	1000	1000	ug/Kg
BZ31445	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	5300	260	500	500	ug/Kg
BZ31445	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1200	180	330	330	ug/Kg
BZ31445	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	9200	2600	1000	1000	ug/Kg
BZ31445	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	13000	2600	3900	3900	ug/Kg
BZ31445	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	8800	2600	3900	3900	ug/Kg
BZ31445	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	10000	1800	1000	1000	ug/Kg
BZ31445	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	11000	2600	1000	1000	ug/Kg
BZ31445	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	8800	2600	800	800	ug/Kg
BZ31445	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	9200	2600	1000	1000	ug/Kg
BZ31445	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	180	330	330	ug/Kg
BZ31445	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	10000	1800	1000	1000	ug/Kg
BZ31445	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5300	260	500	500	ug/Kg
BZ31445	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	13000	2600	1000	1000	ug/Kg
BZ31445	$8270SMRDP	Dibenzofuran	NY / 375-6.8 Volatiles / Unrestricted Use Soil	1500	260	330	330	ug/Kg
BZ31445	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.33	0.03	0.18	0.18	mg/Kg

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

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

NY Temperature Narration

November 07, 2017

SDG I.D.: GBZ31438

The samples in this delivery group were received at 4.1°C.
(Note acceptance criteria is above freezing up to 6°C)

Cooler: Yes [X] No [ ]
Coolant: IPK [ ] ICE [X] No [ ]

Temp 4.1°C Pg 1 of 1

PHOENIX Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

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

Contact Options:
[ ] Fax:
[ ] Phone: 631-504-6000
[X] Email: File

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

Project: 842 Flushing Ave
Report to: Environmental Business Consultants
Invoice to: Environmental Business Consultants

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: TONY BALADO Date: 11-1-17

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

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs	SVOCs	Metals	Soil VOA Vials [ ]methanol [X] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml [ ] 1000ml	PL HNO3 250ml	PL NaOH 250ml	Baderia Bottle
31438	SB1 (0-5)	S	11-1-17	10:00	X	X	X		3	1							
31439	SB2 (0-5)			10:45	X	X	X		3	1							
31440	SB2 (5-7)			11:00	X				3								
31441	SB3 (0-5)			11:30	X	X	X		3	1							
31442	SB3 (5-7)			11:45	X				3								
31443	SB4 (0-5)			1:00	X	X	X		3	1							
31444	SB4 (5-7)			1:45	X				3								
31445	SB6 (0-5)			2:00	X	X	X		3	1							
31446	SB6 (5-7)			2:30	X				3								

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	11/2/17	12:50
[signature]	TROUM	11/6/17	1601

Comments, Special Requirements or Regulations:

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

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

NY
[ ] NY 375 GWP
[X] NY375 Unrestricted Use Soil
[X] NY375 Residential Soil
[X] Restricted/Residential
[ ] Commercial
[ ] Industrial

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

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

State where samples were collected: NY

PHOENIX
Environmental Laboratories, Inc.

Tuesday, November 07, 2017

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

Project ID: 842 FLUSHING AVE
Sample ID#s: BZ32924 - BZ32925

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,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

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

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

NY # 11301

SDG Comments

November 07, 2017

SDG I.D.: GBZ32924

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.

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.

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 07, 2017

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	TB	11/02/17	10:00
Location Code:	EBC	Received by:	SW	11/06/17	14:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBZ32924
Phoenix ID: BZ32924

Project ID: 842 FLUSHING AVE
Client ID: MW 1

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
1,1,1-Trichloroethane	ND		5.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
1,1,2-Trichloroethane	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
1,1-Dichloroethane	ND		5.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
1,1-Dichloroethene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
1,1-Dichloropropene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
1,2,3-Trichloropropane	ND		0.25	0.25	ug/L	1	11/06/17	MH	SW8260C	
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
1,2,4-Trimethylbenzene	0.36	J	1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND		0.50	0.50	ug/L	1	11/06/17	MH	SW8260C	
1,2-Dibromoethane	ND		0.25	0.25	ug/L	1	11/06/17	MH	SW8260C	
1,2-Dichlorobenzene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
1,2-Dichloroethane	ND		0.60	0.50	ug/L	1	11/06/17	MH	SW8260C	
1,2-Dichloropropane	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
1,3,5-Trimethylbenzene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
1,3-Dichlorobenzene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
1,3-Dichloropropane	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
1,4-Dichlorobenzene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
2,2-Dichloropropane	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
2-Chlorotoluene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
2-Hexanone	ND		2.5	2.5	ug/L	1	11/06/17	MH	SW8260C	
2-Isopropyltoluene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	1
4-Chlorotoluene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
4-Methyl-2-pentanone	ND		2.5	2.5	ug/L	1	11/06/17	MH	SW8260C	

Project ID: 842 FLUSHING AVE
Client ID: MW 1

Phoenix I.D.: BZ32924

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	13	S	5.0	2.5	ug/L	1	11/06/17	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	11/06/17	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	11/06/17	MH	SW8260C	
Benzene	0.28	J	0.70	0.25	ug/L	1	11/06/17	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Carbon Disulfide	0.29	J	1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Chloroform	0.44	J	5.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Chloromethane	0.34	J	5.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	11/06/17	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Ethylbenzene	0.31	J	1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	11/06/17	MH	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
m&p-Xylene	1.2		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Methyl ethyl ketone	2.7		2.5	2.5	ug/L	1	11/06/17	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	11/06/17	MH	SW8260C	
Naphthalene	4.8		1.0	1.0	ug/L	1	11/06/17	MH	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
o-Xylene	0.62	J	1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Tetrachloroethene	0.26	J	1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	11/06/17	MH	SW8260C	1
Toluene	1.2		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	11/06/17	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	11/06/17	MH	SW8260C	
Trichloroethene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	95				%	1	11/06/17	MH	70 - 130 %	
% Bromofluorobenzene	101				%	1	11/06/17	MH	70 - 130 %	
% Dibromofluoromethane	97				%	1	11/06/17	MH	70 - 130 %	

Ver 1

Project ID: 842 FLUSHING AVE

Client ID: MW 1

Phoenix I.D.: BZ32924

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	102			%	1	11/06/17	MH	70 - 130 %

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

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

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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

November 07, 2017

Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 07, 2017

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	TB	11/02/17	10:00
Location Code:	EBC	Received by:	SW	11/06/17	14:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBZ32924
Phoenix ID: BZ32925

Project ID: 842 FLUSHING AVE
Client ID: MW 2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
1,1,1-Trichloroethane	ND		5.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
1,1,2-Trichloroethane	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
1,1-Dichloroethane	ND		5.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
1,1-Dichloroethene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
1,1-Dichloropropene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
1,2,3-Trichloropropane	ND		0.25	0.25	ug/L	1	11/06/17	MH	SW8260C	
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
1,2,4-Trimethylbenzene	0.27	J	1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND		0.50	0.50	ug/L	1	11/06/17	MH	SW8260C	
1,2-Dibromoethane	ND		0.25	0.25	ug/L	1	11/06/17	MH	SW8260C	
1,2-Dichlorobenzene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
1,2-Dichloroethane	ND		0.60	0.50	ug/L	1	11/06/17	MH	SW8260C	
1,2-Dichloropropane	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
1,3,5-Trimethylbenzene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
1,3-Dichlorobenzene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
1,3-Dichloropropane	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
1,4-Dichlorobenzene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
2,2-Dichloropropane	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
2-Chlorotoluene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
2-Hexanone	ND		2.5	2.5	ug/L	1	11/06/17	MH	SW8260C	
2-Isopropyltoluene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	1
4-Chlorotoluene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
4-Methyl-2-pentanone	ND		2.5	2.5	ug/L	1	11/06/17	MH	SW8260C	

Project ID: 842 FLUSHING AVE
Client ID: MW 2

Phoenix I.D.: BZ32925

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	9.5	S	5.0	2.5	ug/L	1	11/06/17	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	11/06/17	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	11/06/17	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	11/06/17	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Carbon Disulfide	0.47	J	1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Chloroform	0.93	J	5.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	11/06/17	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Ethylbenzene	0.68	J	1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	11/06/17	MH	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
m&p-Xylene	2.2		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	11/06/17	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	11/06/17	MH	SW8260C	
Naphthalene	1.3		1.0	1.0	ug/L	1	11/06/17	MH	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
o-Xylene	1.3		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
p-Isopropyltoluene	0.33	J	1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Styrene	1.2		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Tetrachloroethene	0.83	J	1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	11/06/17	MH	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	11/06/17	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	11/06/17	MH	SW8260C	
Trichloroethene	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	11/06/17	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	96				%	1	11/06/17	MH	70 - 130 %	
% Bromofluorobenzene	101				%	1	11/06/17	MH	70 - 130 %	
% Dibromofluoromethane	100				%	1	11/06/17	MH	70 - 130 %	

Ver 1

Project ID: 842 FLUSHING AVE
Client ID: MW 2

Phoenix I.D.: BZ32925

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	102			%	1	11/06/17	MH	70 - 130 %

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

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

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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
November 07, 2017
Reviewed and Released by: Ethan Lee, Project Manager

Tuesday, November 07, 2017

Criteria: NY: GW

State: NY

Sample Criteria Exceedances Report

GBZ32924 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BZ32924	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
BZ32924	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
BZ32924	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
BZ32925	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
BZ32925	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
BZ32925	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L

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

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

NY Temperature Narration

November 07, 2017

SDG I.D.: GBZ32924

The samples in this delivery group were received at 4.1°C.
(Note acceptance criteria is above freezing up to 6°C)

Cooler: Yes [X] No [ ]
Coolant: IPK [X] ICE [ ] No [ ]
Temp 1.1 °C Pg 1 of 1

PHOENIX Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

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

Contact Options:
[ ] Fax:
[ ] Phone: 631-504-6000
[X] Email: [illegible]

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

Project: 842 Flushing Ave
Report to: Environmental Business Consultants
Invoice to: Environmental Business Consultants

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Tony Balado Date: 11-3-17

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

Analysis Request: VOCs

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
32924	MW1	GW	11-2-17	10:00
32925	MW2	GW	11-2-17	10:00

Soil VOA Vials [ ] methanol [ ] H2O; GL Soil container ( ) oz; GL Soil container ( ) oz; 40 ml VOA Vial [ ] As is [ ] HCl; GL Amber 1000ml [ ] As is [ ] H2SO4; PL As is [ ] 250ml [ ] 500ml [ ] 1000ml; PL H2SO4 [ ] 250ml [ ] 500ml; PL HNO3 250ml; PL NaOH 250ml; Bacteria Bottle

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	11-5-17	11:30
[signature]	Coradive	11-5-17	1430

Comments, Special Requirements or Regulations:

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

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

NY
[X] NY 375 GWP
[ ] NY375 Unrestricted Use Soil
[ ] NY375 Residential Soil
[ ] Restricted/Residential
[ ] Commercial
[ ] Industrial

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

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

State where samples were collected: NY

ATTACHMENT B
SOIL BORING LOGS

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

18SB1

Location: 17ft NE and 5ft W to the property line.		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: Commercial Property	Address: 842 Flushing Ave, New York	Date / DTW	Ground Elevation
Drilling Company: C2	Method: Geoprobe 7812DT	Groundwater depth 10	Well Specifications
Date Started: 11/6/2018	Date Completed: 11/6/2018		
Completion Depth: 10 feet	Geologist Tenzin Choeying		

18SB1 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	39"		0.0	7" - concrete 10" - medium coarse, brown sand with crushed bricks 15" - medium coarse, brown sand with rocks 7" - medium coarse, brown sand with crushed bricks **Retained soil sample (2-4')*
	10	20"		0.0	8" - moist coarse brown sand 12" - wet coarse brown sand and sil **Retained soil sampled (5-7')*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

18SB2

Location: 10.5ft N and 5ft E to the property line.		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: Commercial Property	Address: 842 Flushing Ave, New York	Date / DTW	Ground Elevation
Drilling Company: C2	Method: Geoprobe 7812DT	Groundwater depth	Well Specifications
Date Started: 11/6/2018	Date Completed: 11/6/2018		
Completion Depth: 10 feet	Geologist Tenzin Choeying		

18SB2 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to	28"		0.0	6" - concrete
				0.0	7" - medium coarse, dark brown sand
				0.2	3" - crushed rocks
				0.0	3" - medium coarse black sand
				0.0	4" - coarse, brown sand with crushed rocks
				0.0	5" - moist, fine, brown sand
	5				*Retained soil sample (2-4')*
		15"		0.0	10" - moist brown sand and silt 15" - damp brown silty sand
	10				*Retained soil sample (5-7')*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

18SB3

Location: 39ft N and 9.11ft E to the property line.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: Commercial Property	Address: 842 Flushing Avenue, Brooklyn	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: C2	Method: Geoprobe 7812DT			Well Specifications
Date Started: 11/6/2018	Date Completed: 11/6/2018			
Completion Depth: 10 feet	Geologist Tenzin Choeying			

18SB3 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	24"		0.0	8" - concrete 7" - coarse, light brown sand with crushed contrete 9" - medium coarse, dark brown sand with crushed bricks and rocks **Retained soil sample (2-4')*
	to 10	8"		0.0	8" - coarse, light brown sand **Retained soil sample (5-7')*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

18SB4

Location: 11ft NE and 10ft SE to the property line.		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: Commercial Property	Address: 842 Flushing Ave, New York	Date / DTW	Ground Elevation
Drilling Company: C2	Method: Geoprobe 7812DT	Groundwater depth	Well Specifications
Date Started: 11/6/2018	Date Completed: 11/6/2018		
Completion Depth: 10 feet	Geologist Tenzin Choeying		

18SB4 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to	62"		28.4 8.8 11.1 0.0 0.0 0.0	7" - concrete 1" - medium coarse, dark brown sand 12" - medium coarse, light brown sand 19" - medium coarse, yellowish red sand 8" - crushed rocks 15" - fine-medium coarse, reddish brown sand **Retained soil sample (2-4')*
	10	22"		0.0	8" - medium coarse reddish-brown sand 14" - brown and black sand with silt **Retained soil sample (5-7')*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

18SB5

Location: 7.4ft SW and 26ft SE to the property line.		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: Commercial Property	Address: 842 Flushing Ave, New York	Date / DTW	Ground Elevation
Drilling Company: C2	Method: Geoprobe 7812DT	Groundwater depth	Well Specifications
Date Started: 11/6/2018	Date Completed: 11/6/2018		
Completion Depth: 10 feet	Geologist Tenzin Choeying		

18SB5 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to	37"		0.0	7" - concrete 3" - crushed rocks 3" - medium coarse, brown sand 12" - medium coarse, brown sand with crushed bricks 4" - coarse, light brown sand 8" - fine, reddish brown sand **Retained soil sample (2-4')*
	10	30"		0.0	6" - fine, reddish brown sand 20" - fine, brown sand with silt 4" - moist brown and black sand with silt **Retained soil sample (5-7')*

ATTACHMENT C
GROUNDWATER SAMPLING LOGS

GROUNDWATER PURGE / SAMPLE LOGS

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: 18MW1

Date: 11/7/2018

Well Depth (from TOC): 15

Equipment: Peristaltic Pump

Static Water Level (from TOC): 8

Field Personnel: Tenzin Choeying

Height of Water in Well: 7

Gallons of Water per Well Volume: 0.28

Flow Rate: 400ml/min.

Time	Time (24Hr)	Pump Rate	Gal. Removed	pH	Cond. (µS/cm)	Temp. (ºF)	DO (mg/L)	Comments
0.00	8:00	400ml/min	0					turbid
2.00	8:02	400ml/min	0.22					turbid
4.00	8:04	400ml/min	0.44					Well began to run dry

Note 400 ml = 0.11 gallons

GROUNDWATER PURGE / SAMPLE LOGS

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: 18MW2

Date: 11/7/2018

Well Depth (from TOC): 15

Equipment: Peristaltic Pump

Static Water Level (from TOC): 13.35

Field Personnel: Tenzin Choeying

Height of Water in Well: 1.65

Gallons of Water per Well Volume: 0.066

Flow Rate: 400ml/min.

Time	Time (24Hr)	Pump Rate	Gal. Removed	pH	Cond. (µS/cm)	Temp. (ºF)	DO (mg/L)	Comments
0.00	8:10	400ml/min	0					turbid
2.00	8:12	400ml/min	0.22					turbid
4.00	8:14	400ml/min	0.44					Well began to run dry

Note 400 ml = 0.11 gallons

ATTACHMENT D
SOIL GAS SAMPLING LOGS

PHOENIX Environmental Laboratories, Inc.

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

CHAIN OF CUSTODY RECORD
AIR ANALYSES

800-827-5426

email: greg@phoenixlabs.com

P.O. # | Page 1 of 1

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

Report to: Maggie Ellis

Customer: EBC

Address:

Invoice to: EBC

Sampled by: Tenzin Chogying

Project Name: 842-848 Flushing Ave, Brooklyn

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

State where samples collected: NY

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-14	TO-15
		THIS SECTION FOR LAB USE ONLY											MATRIX			ANALYSES	
90210	18SV2	13640	6.0	-30	-4	3957	43	7.59	9.59	-29	-5			X			X
90211	18SV5	23352			-5	5036		8.28	10.20	-29	-5			X			X
	Did not use	13637				5403											
90212	18SV3	495			-6	3220		07.35	10.00	-29	-5			X			X
90213	18SV1	23350			-6	3262		8.10	10.10	-29	-5			X			X
90214	18SV4	13639			-7	5710		07.45	9.32	-27	-5			X			X
	Did not use	19426				7428											

Relinquished by:	Accepted by:	Date:	Time:
		11-7-18	12:48
		11-7-18	16:25

Data Format: Excel ☒ Equis ☐ Other ☐ ( )

Turnaround Time: ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☒ Standard

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION: (7)(6.0)(24HR)

Requested Criteria

Quote Number:

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

Signature: Date:

ATTACHMENT E
LABORATORY REPORTS IN DIGITAL FORMAT

PHOENIX
Environmental Laboratories, Inc.

Monday, November 26, 2018

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

Project ID: 842 FLUSHING AVENUE, BROOKLYN NY
Sample ID#s: CB97634 - CB97636

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,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
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
UT Lab Registration #CT00007
VT Lab Registration #VT11301

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

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG Comments

November 26, 2018

SDG I.D.: GCB97634

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.
An elevated reporting level is the result of a limited sample volume during the extraction.

8081 Pesticides:
Toxaphene is reported to the lowest possible reporting level. The NY TOGS criteria for this compound can not be achieved.

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 26, 2018

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		11/12/18	
Location Code:	EBC	Received by:	CP	11/14/18	17:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCB97634
Phoenix ID: CB97634

Project ID: 842 FLUSHING AVENUE, BROOKLYN NY
Client ID: 18MW1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.005	0.005	mg/L	1	11/16/18	CPP	SW6010C
Aluminum	5.28	0.010	mg/L	1	11/16/18	CPP	SW6010C
Arsenic - LDL	< 0.004	0.004	mg/L	1	11/16/18	CPP	SW6010C
Barium	0.031	0.010	mg/L	1	11/16/18	CPP	SW6010C
Beryllium	< 0.001	0.001	mg/L	1	11/16/18	CPP	SW6010C
Calcium	104	0.010	mg/L	1	11/18/18	CPP	SW6010C
Cadmium	< 0.004	0.004	mg/L	1	11/16/18	CPP	SW6010C
Cobalt	< 0.005	0.005	mg/L	1	11/16/18	CPP	SW6010C
Chromium	0.400	0.001	mg/L	1	11/16/18	CPP	SW6010C
Copper	0.036	0.005	mg/L	1	11/16/18	CPP	SW6010C
Iron	1.69	0.01	mg/L	1	11/18/18	CPP	SW6010C
Mercury	< 0.0002	0.0002	mg/L	1	11/15/18	RS	SW7470A
Potassium	7.0	0.1	mg/L	1	11/16/18	CPP	SW6010C
Magnesium	0.281	0.010	mg/L	1	11/16/18	CPP	SW6010C
Manganese	0.038	0.005	mg/L	1	11/16/18	CPP	SW6010C
Sodium	51.7	1.0	mg/L	10	11/18/18	CPP	SW6010C
Nickel	< 0.004	0.004	mg/L	1	11/16/18	CPP	SW6010C
Lead	0.010	0.002	mg/L	1	11/16/18	CPP	SW6010C
Antimony	< 0.0030	0.0030	mg/L	5	11/16/18	CPP	SW6020B
Selenium	< 0.010	0.010	mg/L	5	11/16/18	CPP	SW6020B
Thallium	< 0.0005	0.0005	mg/L	5	11/16/18	CPP	SW6020B
Vanadium	< 0.010	0.010	mg/L	1	11/16/18	CPP	SW6010C
Zinc	0.012	0.010	mg/L	1	11/16/18	CPP	SW6010C
Mercury Digestion	Completed				11/15/18	EV/Q	SW7470A
PCB Extraction (2 Liter)	Completed				11/15/18		SW3510C
Extraction for Pest (2 Liter)	Completed				11/15/18		SW3510C
Total Metals Digestion	Completed				11/14/18	AG	
Total Metals Digestion MS	Completed				11/15/18	AG	

Ver 1

Project ID: 842 FLUSHING AVENUE, BROOKLYN NY
Client ID: 18MW1

Phoenix I.D.: CB97634

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Polychlorinated Biphenyls								
PCB-1016	ND	0.070	ug/L	1	11/16/18	AW	SW8082A	
PCB-1221	ND	0.070	ug/L	1	11/16/18	AW	SW8082A	
PCB-1232	ND	0.070	ug/L	1	11/16/18	AW	SW8082A	
PCB-1242	ND	0.070	ug/L	1	11/16/18	AW	SW8082A	
PCB-1248	ND	0.070	ug/L	1	11/16/18	AW	SW8082A	
PCB-1254	ND	0.070	ug/L	1	11/16/18	AW	SW8082A	
PCB-1260	ND	0.070	ug/L	1	11/16/18	AW	SW8082A	
PCB-1262	ND	0.070	ug/L	1	11/16/18	AW	SW8082A	
PCB-1268	ND	0.070	ug/L	1	11/16/18	AW	SW8082A	
QA/QC Surrogates								
% DCBP	65		%	1	11/16/18	AW	30 - 150 %	
% TCMX	63		%	1	11/16/18	AW	30 - 150 %	
Pesticides								
4,4' -DDD	ND	0.003	ug/L	1	11/16/18	CW	SW8081B	
4,4' -DDE	ND	0.003	ug/L	1	11/16/18	CW	SW8081B	
4,4' -DDT	ND	0.003	ug/L	1	11/16/18	CW	SW8081B	
a-BHC	ND	0.007	ug/L	1	11/16/18	CW	SW8081B	
a-chlordane	ND	0.014	ug/L	1	11/16/18	CW	SW8081B	
Alachlor	ND	0.10	ug/L	1	11/16/18	CW	SW8081B	1
Aldrin	ND	0.002	ug/L	1	11/16/18	CW	SW8081B	
b-BHC	ND	0.007	ug/L	1	11/16/18	CW	SW8081B	
Chlordane	ND	0.050	ug/L	1	11/16/18	CW	SW8081B	
d-BHC	ND	0.007	ug/L	1	11/16/18	CW	SW8081B	
Dieldrin	ND	0.002	ug/L	1	11/16/18	CW	SW8081B	
Endosulfan I	ND	0.014	ug/L	1	11/16/18	CW	SW8081B	
Endosulfan II	ND	0.014	ug/L	1	11/16/18	CW	SW8081B	
Endosulfan Sulfate	ND	0.014	ug/L	1	11/16/18	CW	SW8081B	
Endrin	ND	0.007	ug/L	1	11/16/18	CW	SW8081B	
Endrin Aldehyde	ND	0.014	ug/L	1	11/16/18	CW	SW8081B	
Endrin ketone	ND	0.014	ug/L	1	11/16/18	CW	SW8081B	
g-BHC (Lindane)	ND	0.007	ug/L	1	11/16/18	CW	SW8081B	
g-chlordane	ND	0.014	ug/L	1	11/16/18	CW	SW8081B	
Heptachlor	ND	0.007	ug/L	1	11/16/18	CW	SW8081B	
Heptachlor epoxide	ND	0.007	ug/L	1	11/16/18	CW	SW8081B	
Methoxychlor	ND	0.14	ug/L	1	11/16/18	CW	SW8081B	
Toxaphene	ND	0.28	ug/L	1	11/16/18	CW	SW8081B	
QA/QC Surrogates								
%DCBP (Surrogate Rec)	73		%	1	11/16/18	CW	30 - 150 %	
%TCMX (Surrogate Rec)	76		%	1	11/16/18	CW	30 - 150 %	

Project ID: 842 FLUSHING AVENUE, BROOKLYN NY

Client ID: 18MW1

Phoenix I.D.: CB97634

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (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 at RL/PQL
BRL=Below Reporting Level L=Biased Low
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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

November 26, 2018

Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 26, 2018

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		11/12/18	
Location Code:	EBC	Received by:	CP	11/14/18	17:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCB97634
Phoenix ID: CB97635

Project ID: 842 FLUSHING AVENUE, BROOKLYN NY
Client ID: 18MW2

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.005	0.005	mg/L	1	11/16/18	CPP	SW6010C
Aluminum	0.386	0.010	mg/L	1	11/16/18	CPP	SW6010C
Arsenic - LDL	< 0.004	0.004	mg/L	1	11/16/18	CPP	SW6010C
Barium	0.043	0.010	mg/L	1	11/16/18	CPP	SW6010C
Beryllium	< 0.001	0.001	mg/L	1	11/16/18	CPP	SW6010C
Calcium	334	0.10	mg/L	10	11/18/18	CPP	SW6010C
Cadmium	< 0.004	0.004	mg/L	1	11/16/18	CPP	SW6010C
Cobalt	< 0.005	0.005	mg/L	1	11/16/18	CPP	SW6010C
Chromium	< 0.001	0.001	mg/L	1	11/16/18	CPP	SW6010C
Copper	0.008	0.005	mg/L	1	11/16/18	CPP	SW6010C
Iron	0.38	0.10	mg/L	10	11/18/18	CPP	SW6010C
Mercury	< 0.0002	0.0002	mg/L	1	11/15/18	RS	SW7470A
Potassium	35.2	0.1	mg/L	1	11/16/18	CPP	SW6010C
Magnesium	56.6	0.010	mg/L	1	11/16/18	CPP	SW6010C
Manganese	1.12	0.005	mg/L	1	11/16/18	CPP	SW6010C
Sodium	188	1.0	mg/L	10	11/18/18	CPP	SW6010C
Nickel	0.005	0.004	mg/L	1	11/16/18	CPP	SW6010C
Lead	< 0.002	0.002	mg/L	1	11/16/18	CPP	SW6010C
Antimony	< 0.0030	0.0030	mg/L	5	11/16/18	CPP	SW6020B
Selenium	0.023	0.010	mg/L	5	11/16/18	CPP	SW6020B
Thallium	< 0.0005	0.0005	mg/L	5	11/16/18	CPP	SW6020B
Vanadium	< 0.010	0.010	mg/L	1	11/16/18	CPP	SW6010C
Zinc	< 0.010	0.010	mg/L	1	11/16/18	CPP	SW6010C
Mercury Digestion	Completed				11/15/18	EV/Q	SW7470A
PCB Extraction (2 Liter)	Completed				11/15/18		SW3510C
Extraction for Pest (2 Liter)	Completed				11/15/18		SW3510C
Total Metals Digestion	Completed				11/14/18	AG	
Total Metals Digestion MS	Completed				11/15/18	AG	

Project ID: 842 FLUSHING AVENUE, BROOKLYN NY
Client ID: 18MW2

Phoenix I.D.: CB97635

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Polychlorinated Biphenyls								
PCB-1016	ND	0.052	ug/L	1	11/16/18	AW	SW8082A	
PCB-1221	ND	0.052	ug/L	1	11/16/18	AW	SW8082A	
PCB-1232	ND	0.052	ug/L	1	11/16/18	AW	SW8082A	
PCB-1242	ND	0.052	ug/L	1	11/16/18	AW	SW8082A	
PCB-1248	ND	0.052	ug/L	1	11/16/18	AW	SW8082A	
PCB-1254	ND	0.052	ug/L	1	11/16/18	AW	SW8082A	
PCB-1260	ND	0.052	ug/L	1	11/16/18	AW	SW8082A	
PCB-1262	ND	0.052	ug/L	1	11/16/18	AW	SW8082A	
PCB-1268	ND	0.052	ug/L	1	11/16/18	AW	SW8082A	
QA/QC Surrogates								
% DCBP	69		%	1	11/16/18	AW	30 - 150 %	
% TCMX	69		%	1	11/16/18	AW	30 - 150 %	
Pesticides								
4,4' -DDD	ND	0.002	ug/L	1	11/19/18	PS	SW8081B	
4,4' -DDE	ND	0.002	ug/L	1	11/19/18	PS	SW8081B	
4,4' -DDT	ND	0.002	ug/L	1	11/19/18	PS	SW8081B	
a-BHC	ND	0.005	ug/L	1	11/19/18	PS	SW8081B	
a-chlordane	ND	0.010	ug/L	1	11/19/18	PS	SW8081B	
Alachlor	ND	0.078	ug/L	1	11/19/18	PS	SW8081B	1
Aldrin	ND	0.002	ug/L	1	11/19/18	PS	SW8081B	
b-BHC	ND	0.024	ug/L	1	11/19/18	PS	SW8081B	
Chlordane	ND	0.050	ug/L	1	11/19/18	PS	SW8081B	
d-BHC	ND	0.005	ug/L	1	11/19/18	PS	SW8081B	
Dieldrin	0.009	0.002	ug/L	1	11/19/18	PS	SW8081B	
Endosulfan I	ND	0.010	ug/L	1	11/19/18	PS	SW8081B	
Endosulfan II	ND	0.010	ug/L	1	11/19/18	PS	SW8081B	
Endosulfan Sulfate	ND	0.010	ug/L	1	11/19/18	PS	SW8081B	
Endrin	ND	0.005	ug/L	1	11/19/18	PS	SW8081B	
Endrin Aldehyde	ND	0.010	ug/L	1	11/19/18	PS	SW8081B	
Endrin ketone	ND	0.010	ug/L	1	11/19/18	PS	SW8081B	
g-BHC (Lindane)	ND	0.005	ug/L	1	11/19/18	PS	SW8081B	
g-chlordane	ND	0.010	ug/L	1	11/19/18	PS	SW8081B	
Heptachlor	ND	0.005	ug/L	1	11/19/18	PS	SW8081B	
Heptachlor epoxide	ND	0.005	ug/L	1	11/19/18	PS	SW8081B	
Methoxychlor	ND	0.10	ug/L	1	11/19/18	PS	SW8081B	
Toxaphene	ND	0.21	ug/L	1	11/19/18	PS	SW8081B	
QA/QC Surrogates								
%DCBP (Surrogate Rec)	69		%	1	11/19/18	PS	30 - 150 %	
%TCMX (Surrogate Rec)	61		%	1	11/19/18	PS	30 - 150 %	

Project ID: 842 FLUSHING AVENUE, BROOKLYN NY

Client ID: 18MW2

Phoenix I.D.: CB97635

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (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 at RL/PQL
BRL=Below Reporting Level L=Biased Low
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.
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Phyllis Shiller, Laboratory Director

November 26, 2018

Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 26, 2018

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		11/12/18	
Location Code:	EBC	Received by:	CP	11/14/18	17:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCB97634
Phoenix ID: CB97636

Project ID: 842 FLUSHING AVENUE, BROOKLYN NY
Client ID: DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.005	0.005		mg/L	1	11/16/18	CPP	SW6010C
Aluminum	4.30	0.010		mg/L	1	11/16/18	CPP	SW6010C
Arsenic - LDL	0.008	0.004		mg/L	1	11/16/18	CPP	SW6010C
Barium	0.044	0.010		mg/L	1	11/16/18	CPP	SW6010C
Beryllium	< 0.001	0.001		mg/L	1	11/16/18	CPP	SW6010C
Calcium	57.8	0.10		mg/L	10	11/18/18	CPP	SW6010C
Cadmium	< 0.004	0.004		mg/L	1	11/16/18	CPP	SW6010C
Cobalt	< 0.005	0.005		mg/L	1	11/16/18	CPP	SW6010C
Chromium	0.060	0.001		mg/L	1	11/16/18	CPP	SW6010C
Copper	0.009	0.005		mg/L	1	11/16/18	CPP	SW6010C
Iron	5.85	0.10		mg/L	10	11/18/18	CPP	SW6010C
Mercury	< 0.0002	0.0002		mg/L	1	11/15/18	RS	SW7470A
Potassium	8.2	0.1		mg/L	1	11/16/18	CPP	SW6010C
Magnesium	5.14	0.010		mg/L	1	11/16/18	CPP	SW6010C
Manganese	0.135	0.005		mg/L	1	11/16/18	CPP	SW6010C
Sodium	88.4	1.0		mg/L	10	11/18/18	CPP	SW6010C
Nickel	0.007	0.004		mg/L	1	11/16/18	CPP	SW6010C
Lead	0.003	0.002		mg/L	1	11/16/18	CPP	SW6010C
Antimony	< 0.0030	0.0030		mg/L	5	11/16/18	CPP	SW6020B
Selenium	< 0.010	0.010		mg/L	5	11/16/18	CPP	SW6020B
Thallium	< 0.0005	0.0005		mg/L	5	11/16/18	CPP	SW6020B
Vanadium	0.012	0.010		mg/L	1	11/16/18	CPP	SW6010C
Zinc	0.016	0.010		mg/L	1	11/16/18	CPP	SW6010C
Mercury Digestion	Completed					11/15/18	EV/Q	SW7470A
PCB Extraction (2 Liter)	Completed					11/15/18		SW3510C
Extraction for Pest (2 Liter)	Completed					11/15/18		SW3510C
Semi-Volatile Extraction	Completed					11/14/18	P/R/R	SW3520C
Total Metals Digestion	Completed					11/14/18	AG	

Ver 1

Project ID: 842 FLUSHING AVENUE, BROOKLYN NY
Client ID: DUPLICATE

Phoenix I.D.: CB97636

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Total Metals Digestion MS	Completed					11/15/18	AG		
Polychlorinated Biphenyls									
PCB-1016	ND	0.085		ug/L	1	11/16/18	AW	SW8082A	
PCB-1221	ND	0.085		ug/L	1	11/16/18	AW	SW8082A	
PCB-1232	ND	0.085		ug/L	1	11/16/18	AW	SW8082A	
PCB-1242	ND	0.085		ug/L	1	11/16/18	AW	SW8082A	
PCB-1248	ND	0.085		ug/L	1	11/16/18	AW	SW8082A	
PCB-1254	ND	0.085		ug/L	1	11/16/18	AW	SW8082A	
PCB-1260	ND	0.085		ug/L	1	11/16/18	AW	SW8082A	
PCB-1262	ND	0.085		ug/L	1	11/16/18	AW	SW8082A	
PCB-1268	ND	0.085		ug/L	1	11/16/18	AW	SW8082A	
QA/QC Surrogates									
% DCBP	65			%	1	11/16/18	AW	30 - 150 %	
% TCMX	70			%	1	11/16/18	AW	30 - 150 %	
Pesticides									
4,4' -DDD	ND	0.003		ug/L	1	11/16/18	CW	SW8081B	
4,4' -DDE	ND	0.003		ug/L	1	11/16/18	CW	SW8081B	
4,4' -DDT	ND	0.003		ug/L	1	11/16/18	CW	SW8081B	
a-BHC	ND	0.009		ug/L	1	11/16/18	CW	SW8081B	
a-chlordane	ND	0.017		ug/L	1	11/16/18	CW	SW8081B	
Alachlor	ND	0.13		ug/L	1	11/16/18	CW	SW8081B	1
Aldrin	ND	0.003		ug/L	1	11/16/18	CW	SW8081B	
b-BHC	ND	0.020		ug/L	1	11/16/18	CW	SW8081B	
Chlordane	ND	0.05		ug/L	1	11/16/18	CW	SW8081B	
d-BHC	ND	0.009		ug/L	1	11/16/18	CW	SW8081B	
Dieldrin	ND	0.003		ug/L	1	11/16/18	CW	SW8081B	
Endosulfan I	ND	0.017		ug/L	1	11/16/18	CW	SW8081B	
Endosulfan II	ND	0.017		ug/L	1	11/16/18	CW	SW8081B	
Endosulfan Sulfate	ND	0.017		ug/L	1	11/16/18	CW	SW8081B	
Endrin	ND	0.009		ug/L	1	11/16/18	CW	SW8081B	
Endrin Aldehyde	ND	0.017		ug/L	1	11/16/18	CW	SW8081B	
Endrin ketone	ND	0.017		ug/L	1	11/16/18	CW	SW8081B	
g-BHC (Lindane)	ND	0.009		ug/L	1	11/16/18	CW	SW8081B	
g-chlordane	ND	0.017		ug/L	1	11/16/18	CW	SW8081B	
Heptachlor	ND	0.009		ug/L	1	11/16/18	CW	SW8081B	
Heptachlor epoxide	ND	0.009		ug/L	1	11/16/18	CW	SW8081B	
Methoxychlor	ND	0.17		ug/L	1	11/16/18	CW	SW8081B	
Toxaphene	ND	0.34		ug/L	1	11/16/18	CW	SW8081B	
QA/QC Surrogates									
%DCBP (Surrogate Rec)	63			%	1	11/16/18	CW	30 - 150 %	
%TCMX (Surrogate Rec)	75			%	1	11/16/18	CW	30 - 150 %	
Semivolatiles									
1,2,4-Trichlorobenzene	ND	8.7	2.6	ug/L	1	11/19/18	PS	SW8270D	
1,2-Dichlorobenzene	ND	1.7	1.7	ug/L	1	11/19/18	PS	SW8270D	
1,2-Diphenylhydrazine	ND	8.7	2.8	ug/L	1	11/19/18	PS	SW8270D	
1,3-Dichlorobenzene	ND	1.7	1.7	ug/L	1	11/19/18	PS	SW8270D	
1,4-Dichlorobenzene	ND	1.7	1.7	ug/L	1	11/19/18	PS	SW8270D	

Project ID: 842 FLUSHING AVENUE, BROOKLYN NY
Client ID: DUPLICATE

Phoenix I.D.: CB97636

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,5-Trichlorophenol	ND	1.0	1.0	ug/L	1	11/19/18	PS	SW8270D
2,4,6-Trichlorophenol	ND	1.0	1.0	ug/L	1	11/19/18	PS	SW8270D
2,4-Dichlorophenol	ND	1.0	1.0	ug/L	1	11/19/18	PS	SW8270D
2,4-Dimethylphenol	ND	1.0	1.0	ug/L	1	11/19/18	PS	SW8270D
2,4-Dinitrophenol	ND	1.0	1.0	ug/L	1	11/19/18	PS	SW8270D
2,4-Dinitrotoluene	ND	5.0	3.4	ug/L	1	11/19/18	PS	SW8270D
2,6-Dinitrotoluene	ND	5.0	2.7	ug/L	1	11/19/18	PS	SW8270D
2-Chloronaphthalene	ND	8.7	2.5	ug/L	1	11/19/18	PS	SW8270D
2-Chlorophenol	ND	1.0	1.0	ug/L	1	11/19/18	PS	SW8270D
2-Methylnaphthalene	ND	8.7	2.6	ug/L	1	11/19/18	PS	SW8270D
2-Methylphenol (o-cresol)	ND	1.0	1.0	ug/L	1	11/19/18	PS	SW8270D
2-Nitroaniline	ND	5.0	3.5	ug/L	1	11/19/18	PS	SW8270D
2-Nitrophenol	ND	1.0	1.0	ug/L	1	11/19/18	PS	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	1.7	1.7	ug/L	1	11/19/18	PS	SW8270D
3,3'-Dichlorobenzidine	ND	5.0	4.1	ug/L	1	11/19/18	PS	SW8270D
3-Nitroaniline	ND	5.0	3.5	ug/L	1	11/19/18	PS	SW8270D
4,6-Dinitro-2-methylphenol	ND	1.0	1.0	ug/L	1	11/19/18	PS	SW8270D
4-Bromophenyl phenyl ether	ND	8.7	2.6	ug/L	1	11/19/18	PS	SW8270D
4-Chloro-3-methylphenol	ND	1.0	1.0	ug/L	1	11/19/18	PS	SW8270D
4-Chloroaniline	ND	5.0	4.1	ug/L	1	11/19/18	PS	SW8270D
4-Chlorophenyl phenyl ether	ND	8.7	2.9	ug/L	1	11/19/18	PS	SW8270D
4-Nitroaniline	ND	5.0	2.9	ug/L	1	11/19/18	PS	SW8270D
4-Nitrophenol	ND	1.0	1.0	ug/L	1	11/19/18	PS	SW8270D
Acenaphthene	ND	8.7	2.6	ug/L	1	11/19/18	PS	SW8270D
Acetophenone	ND	8.7	2.7	ug/L	1	11/19/18	PS	SW8270D
Aniline	ND	5.0	5.0	ug/L	1	11/19/18	PS	SW8270D
Anthracene	ND	8.7	2.9	ug/L	1	11/19/18	PS	SW8270D
Benzidine	ND	4.9	4.9	ug/L	1	11/19/18	PS	SW8270D
Benzoic acid	ND	44	17	ug/L	1	11/19/18	PS	SW8270D
Benzyl butyl phthalate	ND	8.7	2.2	ug/L	1	11/19/18	PS	SW8270D
Bis(2-chloroethoxy)methane	ND	5.0	2.4	ug/L	1	11/19/18	PS	SW8270D
Bis(2-chloroethyl)ether	ND	1.0	1.0	ug/L	1	11/19/18	PS	SW8270D
Bis(2-chloroisopropyl)ether	ND	8.7	2.4	ug/L	1	11/19/18	PS	SW8270D
Carbazole	ND	8.7	6.6	ug/L	1	11/19/18	PS	SW8270D
Dibenzofuran	ND	5.0	2.5	ug/L	1	11/19/18	PS	SW8270D
Diethyl phthalate	ND	8.7	2.7	ug/L	1	11/19/18	PS	SW8270D
Dimethylphthalate	ND	8.7	2.7	ug/L	1	11/19/18	PS	SW8270D
Di-n-butylphthalate	ND	8.7	2.3	ug/L	1	11/19/18	PS	SW8270D
Di-n-octylphthalate	ND	8.7	2.2	ug/L	1	11/19/18	PS	SW8270D
Fluoranthene	ND	8.7	2.8	ug/L	1	11/19/18	PS	SW8270D
Fluorene	ND	8.7	2.9	ug/L	1	11/19/18	PS	SW8270D
Hexachlorocyclopentadiene	ND	5.0	2.7	ug/L	1	11/19/18	PS	SW8270D
Isophorone	ND	8.7	2.4	ug/L	1	11/19/18	PS	SW8270D
Naphthalene	ND	5.0	2.5	ug/L	1	11/19/18	PS	SW8270D
N-Nitrosodi-n-propylamine	ND	8.7	2.8	ug/L	1	11/19/18	PS	SW8270D
N-Nitrosodiphenylamine	ND	8.7	3.3	ug/L	1	11/19/18	PS	SW8270D
Phenol	ND	1.0	1.0	ug/L	1	11/19/18	PS	SW8270D
Pyrene	ND	8.7	3.0	ug/L	1	11/19/18	PS	SW8270D
Pyridine	ND	17	2.1	ug/L	1	11/19/18	PS	SW8270D

Project ID: 842 FLUSHING AVENUE, BROOKLYN NY
Client ID: DUPLICATE

Phoenix I.D.: CB97636

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	81			%	1	11/19/18	PS	15 - 110 %	
% 2-Fluorobiphenyl	71			%	1	11/19/18	PS	30 - 130 %	
% 2-Fluorophenol	58			%	1	11/19/18	PS	15 - 110 %	
% Nitrobenzene-d5	48			%	1	11/19/18	PS	30 - 130 %	
% Phenol-d5	11			%	1	11/19/18	PS	15 - 110 %	3
% Terphenyl-d14	66			%	1	11/19/18	PS	30 - 130 %	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	0.87	0.87	ug/L	1	11/16/18	PS	SW8270D (SIM)	
Acenaphthylene	ND	0.17	0.17	ug/L	1	11/16/18	PS	SW8270D (SIM)	
Benz(a)anthracene	ND	0.04	0.04	ug/L	1	11/16/18	PS	SW8270D (SIM)	
Benzo(a)pyrene	ND	0.04	0.04	ug/L	1	11/16/18	PS	SW8270D (SIM)	
Benzo(b)fluoranthene	ND	0.04	0.04	ug/L	1	11/16/18	PS	SW8270D (SIM)	
Benzo(ghi)perylene	ND	0.04	0.04	ug/L	1	11/16/18	PS	SW8270D (SIM)	
Benzo(k)fluoranthene	ND	0.04	0.04	ug/L	1	11/16/18	PS	SW8270D (SIM)	
Bis(2-ethylhexyl)phthalate	ND	1.7	1.7	ug/L	1	11/16/18	PS	SW8270D (SIM)	
Chrysene	ND	0.04	0.04	ug/L	1	11/16/18	PS	SW8270D (SIM)	
Dibenz(a,h)anthracene	ND	0.04	0.04	ug/L	1	11/16/18	PS	SW8270D (SIM)	
Hexachlorobenzene	ND	0.04	0.04	ug/L	1	11/16/18	PS	SW8270D (SIM)	
Hexachlorobutadiene	ND	0.49	0.49	ug/L	1	11/16/18	PS	SW8270D (SIM)	
Hexachloroethane	ND	0.87	0.87	ug/L	1	11/16/18	PS	SW8270D (SIM)	
Indeno(1,2,3-cd)pyrene	ND	0.04	0.04	ug/L	1	11/16/18	PS	SW8270D (SIM)	
Nitrobenzene	ND	0.17	0.17	ug/L	1	11/16/18	PS	SW8270D (SIM)	
N-Nitrosodimethylamine	ND	0.17	0.17	ug/L	1	11/16/18	PS	SW8270D (SIM)	
Pentachloronitrobenzene	ND	0.17	0.17	ug/L	1	11/16/18	PS	SW8270D (SIM)	
Pentachlorophenol	ND	0.17	0.17	ug/L	1	11/16/18	PS	SW8270D (SIM)	
Phenanthrene	ND	0.17	0.17	ug/L	1	11/16/18	PS	SW8270D (SIM)	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	96			%	1	11/16/18	PS	15 - 110 %	
% 2-Fluorobiphenyl	66			%	1	11/16/18	PS	30 - 130 %	
% 2-Fluorophenol	45			%	1	11/16/18	PS	15 - 110 %	
% Nitrobenzene-d5	58			%	1	11/16/18	PS	30 - 130 %	
% Phenol-d5	12			%	1	11/16/18	PS	15 - 110 %	3
% Terphenyl-d14	68			%	1	11/16/18	PS	30 - 130 %	

Project ID: 842 FLUSHING AVENUE, BROOKLYN NY

Client ID: DUPLICATE

Phoenix I.D.: CB97636

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.

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

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.

Semi-Volatile Comment:
An elevated reporting level is the result of a limited sample volume during the extraction. The RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

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

November 26, 2018

Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

November 26, 2018

QA/QC Data

SDG I.D.: GCB97634

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 456386 (mg/L), QC Sample No: CB97301 (CB97634, CB97635, CB97636)														
Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	81.8			71.0			80 - 120	20	m
Comment:														
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.														
QA/QC Batch 456331 (mg/L), QC Sample No: CB97176 (CB97634, CB97635, CB97636)														
ICP Metals - Aqueous														
Aluminum	BRL	0.010	0.091	0.086	5.60	98.9			112			75 - 125	20	
Arsenic	BRL	0.004	<0.004	<0.004	NC	104			112			75 - 125	20	
Barium	BRL	0.002	0.081	0.079	2.50	101			98.8			75 - 125	20	
Beryllium	BRL	0.001	<0.001	<0.001	NC	105			104			75 - 125	20	
Cadmium	BRL	0.001	<0.001	<0.001	NC	105			101			75 - 125	20	
Calcium	BRL	0.010	165	162	1.80	105			NC			75 - 125	20	
Chromium	BRL	0.001	0.017	0.016	6.10	103			100			75 - 125	20	
Cobalt	BRL	0.002	<0.002	<0.002	NC	103			99.5			75 - 125	20	
Copper	BRL	0.005	0.014	0.014	NC	101			112			75 - 125	20	
Iron	BRL	0.010	0.241	0.224	7.30	104			98.4			75 - 125	20	
Lead	BRL	0.002	<0.002	<0.002	NC	104			102			75 - 125	20	
Magnesium	BRL	0.010	22.0	21.4	2.80	105			NC			75 - 125	20	
Manganese	BRL	0.001	0.221	0.214	3.20	104			103			75 - 125	20	
Nickel	BRL	0.001	0.042	0.040	4.90	103			99.6			75 - 125	20	
Potassium	BRL	0.1	2.4	2.4	0	109			103			75 - 125	20	
Silver	BRL	0.001	<0.001	<0.001	NC	97.6			110			75 - 125	20	
Sodium	BRL	0.10	862	853	1.00	110			NC			75 - 125	20	
Vanadium	BRL	0.002	0.008	0.007	NC	101			105			75 - 125	20	
Zinc	BRL	0.004	0.039	0.037	5.30	101			105			75 - 125	20	
QA/QC Batch 456474 (mg/L), QC Sample No: CB96386 5X (CB97634, CB97635, CB97636)														
ICP MS Metals - Aqueous														
Antimony	BRL	0.0030	<0.0030	<0.0030	NC	98.0			99.2			75 - 125	20	
Selenium	BRL	0.010	<0.010	<0.010	NC	116			115			75 - 125	20	
Thallium	BRL	0.0005	<0.0005	<0.0005	NC	98.6			100			75 - 125	20	

m = This parameter is outside laboratory MS/MSD specified recovery limits.

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

November 26, 2018

QA/QC Data

SDG I.D.: GCB97634

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 456466 (ug/L), QC Sample No: CB97634 (CB97634, CB97635, CB97636)										
Polychlorinated Biphenyls - Ground Water										
PCB-1016	ND	0.050	92	90	2.2				40 - 140	20
PCB-1221	ND	0.050							40 - 140	20
PCB-1232	ND	0.050							40 - 140	20
PCB-1242	ND	0.050							40 - 140	20
PCB-1248	ND	0.050							40 - 140	20
PCB-1254	ND	0.050							40 - 140	20
PCB-1260	ND	0.050	98	99	1.0				40 - 140	20
PCB-1262	ND	0.050							40 - 140	20
PCB-1268	ND	0.050							40 - 140	20
% DCBP (Surrogate Rec)	74	%	96	98	2.1				30 - 150	20
% TCMX (Surrogate Rec)	65	%	93	88	5.5				30 - 150	20

Comment:

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

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 456467 (ug/L), QC Sample No: CB97634 (CB97634, CB97635, CB97636)										
Pesticides - Ground Water										
4,4' -DDD	ND	0.003	114	101	12.1				40 - 140	20
4,4' -DDE	ND	0.003	103	90	13.5				40 - 140	20
4,4' -DDT	ND	0.003	103	94	9.1				40 - 140	20
a-BHC	ND	0.002	99	93	6.3				40 - 140	20
a-Chlordane	ND	0.005	100	93	7.3				40 - 140	20
Alachlor	ND	0.005	NA	NA	NC				40 - 140	20
Aldrin	ND	0.002	81	62	26.6				40 - 140	20 r
b-BHC	ND	0.002	116	108	7.1				40 - 140	20
Chlordane	ND	0.050	95	86	9.9				40 - 140	20
d-BHC	ND	0.005	57	61	6.8				40 - 140	20
Dieldrin	ND	0.002	100	91	9.4				40 - 140	20
Endosulfan I	ND	0.005	109	101	7.6				40 - 140	20
Endosulfan II	ND	0.005	112	102	9.3				40 - 140	20
Endosulfan sulfate	ND	0.005	101	120	17.2				40 - 140	20
Endrin	ND	0.005	108	99	8.7				40 - 140	20
Endrin aldehyde	ND	0.005	102	95	7.1				40 - 140	20
Endrin ketone	ND	0.005	107	101	5.8				40 - 140	20
g-BHC	ND	0.002	97	92	5.3				40 - 140	20
g-Chlordane	ND	0.005	95	86	9.9				40 - 140	20
Heptachlor	ND	0.005	93	79	16.3				40 - 140	20
Heptachlor epoxide	ND	0.005	106	99	6.8				40 - 140	20
Methoxychlor	ND	0.005	101	106	4.8				40 - 140	20
Toxaphene	ND	0.20	NA	NA	NC				40 - 140	20
% DCBP	80	%	84	81	3.6				30 - 150	20
% TCMX	75	%	92	87	5.6				30 - 150	20

QA/QC Data

SDG I.D.: GCB97634

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	

Comment:

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

QA/QC Batch 456323 (ug/L), QC Sample No: CB97424 (CB97636)

Semivolatiles - Ground Water

1,2,4-Trichlorobenzene	ND	3.5	62	56	10.2				30 - 130	20	
1,2-Dichlorobenzene	ND	1.0	55	41	29.2				30 - 130	20	r
1,2-Diphenylhydrazine	ND	1.6	86	89	3.4				30 - 130	20	
1,3-Dichlorobenzene	ND	1.0	54	41	27.4				30 - 130	20	r
1,4-Dichlorobenzene	ND	1.0	53	40	28.0				30 - 130	20	r
2,4,5-Trichlorophenol	ND	1.0	86	87	1.2				30 - 130	20	
2,4,6-Trichlorophenol	ND	1.0	85	85	0.0				30 - 130	20	
2,4-Dichlorophenol	ND	1.0	73	67	8.6				30 - 130	20	
2,4-Dimethylphenol	ND	1.0	78	76	2.6				30 - 130	20	
2,4-Dinitrophenol	ND	1.0	88	96	8.7				30 - 130	20	
2,4-Dinitrotoluene	ND	3.5	88	91	3.4				30 - 130	20	
2,6-Dinitrotoluene	ND	3.5	87	90	3.4				30 - 130	20	
2-Chloronaphthalene	ND	3.5	81	76	6.4				30 - 130	20	
2-Chlorophenol	ND	1.0	56	42	28.6				30 - 130	20	r
2-Methylnaphthalene	ND	3.5	73	68	7.1				30 - 130	20	
2-Methylphenol (o-cresol)	ND	1.0	62	56	10.2				30 - 130	20	
2-Nitroaniline	ND	3.5	100	103	3.0				30 - 130	20	
2-Nitrophenol	ND	1.0	67	59	12.7				30 - 130	20	
3&4-Methylphenol (m&p-cresol)	ND	1.0	70	62	12.1				30 - 130	20	
3,3'-Dichlorobenzidine	ND	5.0	90	86	4.5				30 - 130	20	
3-Nitroaniline	ND	5.0	101	106	4.8				30 - 130	20	
4,6-Dinitro-2-methylphenol	ND	1.0	100	98	2.0				30 - 130	20	
4-Bromophenyl phenyl ether	ND	3.5	87	87	0.0				30 - 130	20	
4-Chloro-3-methylphenol	ND	1.0	86	86	0.0				30 - 130	20	
4-Chloroaniline	ND	3.5	76	80	5.1				30 - 130	20	
4-Chlorophenyl phenyl ether	ND	1.0	83	83	0.0				30 - 130	20	
4-Nitroaniline	ND	5.0	87	91	4.5				30 - 130	20	
4-Nitrophenol	ND	1.0	91	103	12.4				15 - 130	20	
Acenaphthene	ND	1.5	85	85	0.0				30 - 130	20	
Acetophenone	ND	3.5	67	58	14.4				30 - 130	20	
Aniline	ND	3.5	60	47	24.3				30 - 130	20	r
Anthracene	ND	1.5	84	84	0.0				30 - 130	20	
Benzidine	ND	4.5	89	74	18.4				30 - 130	20	
Benzoic acid	ND	10	56	54	3.6				30 - 130	20	
Benzyl butyl phthalate	ND	1.5	90	91	1.1				30 - 130	20	
Bis(2-chloroethoxy)methane	ND	3.5	78	71	9.4				30 - 130	20	
Bis(2-chloroethyl)ether	ND	1.0	59	49	18.5				30 - 130	20	
Bis(2-chloroisopropyl)ether	ND	1.0	52	44	16.7				30 - 130	20	
Carbazole	ND	5.0	88	88	0.0				30 - 130	20	
Dibenzofuran	ND	3.5	80	81	1.2				30 - 130	20	
Diethyl phthalate	ND	1.5	92	94	2.2				30 - 130	20	
Dimethylphthalate	ND	1.5	86	88	2.3				30 - 130	20	
Di-n-butylphthalate	ND	1.5	90	93	3.3				30 - 130	20	
Di-n-octylphthalate	ND	1.5	91	95	4.3				30 - 130	20	
Fluoranthene	ND	1.5	85	86	1.2				30 - 130	20	
Fluorene	ND	1.5	84	85	1.2				30 - 130	20	
Hexachlorocyclopentadiene	ND	3.5	22	20	9.5				30 - 130	20	l

QA/QC Data

SDG I.D.: GCB97634

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Isophorone	ND	3.5	72	71	1.4				30 - 130	20	
Naphthalene	ND	1.5	67	58	14.4				30 - 130	20	
N-Nitrosodi-n-propylamine	ND	3.5	76	71	6.8				30 - 130	20	
N-Nitrosodiphenylamine	ND	3.5	77	79	2.6				30 - 130	20	
Phenol	ND	1.0	55	44	22.2				15 - 130	20	r
Pyrene	ND	1.5	85	86	1.2				30 - 130	20	
Pyridine	ND	5.0	37	28	27.7				30 - 130	20	l,r
% 2,4,6-Tribromophenol	84	%	87	91	4.5				15 - 110	20	
% 2-Fluorobiphenyl	71	%	68	66	3.0				30 - 130	20	
% 2-Fluorophenol	57	%	46	34	30.0				15 - 110	20	r
% Nitrobenzene-d5	58	%	56	47	17.5				30 - 130	20	
% Phenol-d5	66	%	53	42	23.2				15 - 110	20	r
% Terphenyl-d14	77	%	67	67	0.0				30 - 130	20	

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 456323 (ug/L), QC Sample No: CB97424 (CB97636)

Semivolatiles (SIM) - Ground Water

1,2,4,5-Tetrachlorobenzene	ND	0.50	55	50	9.5				30 - 130	20	
Acenaphthylene	ND	0.02	57	53	7.3				30 - 130	20	
Benz(a)anthracene	ND	0.02	68	65	4.5				30 - 130	20	
Benzo(a)pyrene	ND	0.02	69	66	4.4				30 - 130	20	
Benzo(b)fluoranthene	ND	0.02	74	73	1.4				30 - 130	20	
Benzo(ghi)perylene	ND	0.02	71	71	0.0				30 - 130	20	
Benzo(k)fluoranthene	ND	0.02	79	77	2.6				30 - 130	20	
Bis(2-ethylhexyl)phthalate	ND	0.2	87	70	21.7				30 - 130	20	r
Chrysene	ND	0.02	73	70	4.2				30 - 130	20	
Dibenz(a,h)anthracene	ND	0.02	81	79	2.5				30 - 130	20	
Hexachlorobenzene	ND	0.02	69	67	2.9				30 - 130	20	
Hexachlorobutadiene	ND	0.05	49	39	22.7				30 - 130	20	r
Hexachloroethane	ND	0.05	44	31	34.7				30 - 130	20	r
Indeno(1,2,3-cd)pyrene	ND	0.02	72	69	4.3				30 - 130	20	
Nitrobenzene	ND	0.05	55	45	20.0				30 - 130	20	
N-Nitrosodimethylamine	ND	0.05	49	33	39.0				30 - 130	20	r
Pentachloronitrobenzene	ND	0.10	88	73	18.6				30 - 130	20	
Pentachlorophenol	ND	0.20	106	84	23.2				30 - 130	20	r
Phenanthrene	ND	0.02	65	62	4.7				30 - 130	20	
% 2,4,6-Tribromophenol	85	%	89	75	17.1				15 - 110	20	
% 2-Fluorobiphenyl	66	%	57	53	7.3				30 - 130	20	
% 2-Fluorophenol	53	%	38	26	37.5				15 - 110	20	r
% Nitrobenzene-d5	66	%	55	41	29.2				30 - 130	20	r
% Phenol-d5	58	%	43	32	29.3				15 - 110	20	r
% Terphenyl-d14	72	%	65	61	6.3				30 - 130	20	

Comment:

Additional 8270 criteria:20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

l = This parameter is outside laboratory LCS/LCSD specified recovery limits.
r = This parameter is outside laboratory RPD specified recovery limits.

QA/QC Data

SDG I.D.: GCB97634

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

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

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

Phyllis Shiller, Laboratory Director
November 26, 2018

Monday, November 26, 2018

Criteria: NY: 375GWP, GW

State: NY

Sample Criteria Exceedances Report

GCB97634 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CB97634	$PEST_GAWN	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.28	0.06	0.06	ug/L
CB97634	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	5.28	0.010	0.1	0.1	mg/L
CB97634	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.400	0.001	0.05	0.05	mg/L
CB97634	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	1.69	0.01	0.3	0.3	mg/L
CB97634	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	51.7	1.0	20	20	mg/L
CB97635	$PEST_GAWN	Dieldrin	NY / TOGS - Water Quality / GA Criteria	0.009	0.002	0.004	0.004	ug/L
CB97635	$PEST_GAWN	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.21	0.06	0.06	ug/L
CB97635	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	0.386	0.010	0.1	0.1	mg/L
CB97635	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	0.38	0.10	0.3	0.3	mg/L
CB97635	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	56.6	0.010	35	35	mg/L
CB97635	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	1.12	0.005	0.3	0.3	mg/L
CB97635	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	188	1.0	20	20	mg/L
CB97635	SE-WM-MS	Selenium	NY / TOGS - Water Quality / GA Criteria	0.023	0.010	0.01	0.01	mg/L
CB97636	$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.04	0.002	0.002	ug/L
CB97636	$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.04	0.002	0.002	ug/L
CB97636	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.04	0.002	0.002	ug/L
CB97636	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.04	0.002	0.002	ug/L
CB97636	$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.04	0.002	0.002	ug/L
CB97636	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.04	0.002	0.002	ug/L
CB97636	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.04	0.002	0.002	ug/L
CB97636	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.04	0.002	0.002	ug/L
CB97636	$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.04	0.002	0.002	ug/L
CB97636	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.04	0.002	0.002	ug/L
CB97636	$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.04	0.002	0.002	ug/L
CB97636	$PEST_GAWN	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.34	0.06	0.06	ug/L
CB97636	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	4.30	0.010	0.1	0.1	mg/L
CB97636	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.060	0.001	0.05	0.05	mg/L
CB97636	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	5.85	0.10	0.3	0.3	mg/L
CB97636	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	88.4	1.0	20	20	mg/L

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

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

November 26, 2018 SDG I.D.: GCB97634

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report:

SVOA Narration

CHEM19 11/19/18-1: CB97636

The following Initial Calibration compounds did not meet RSD% criteria: 2,4-Dinitrophenol 29% (20%), Hexachlorocyclopentadiene 21% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.
The following Initial Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.096 (0.1), Bis(2-chloroethyl)ether 0.667 (0.7)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet % deviation criteria: Hexachlorocyclopentadiene 32%L (30%)
The following Continuing Calibration compounds did not meet Maximum % deviation criteria: None.
The following Continuing Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.093 (0.1), Bis(2-chloroethyl)ether 0.663 (0.7)
The following Continuing Calibration compounds did not meet minimum response factors: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

SVOASIM Narration

CHEM27 11/16/18-1: CB97636

The following Initial Calibration compounds did not meet RSD% criteria: Bis(2-ethylhexyl)phthalate 24% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

Environmental Laboratories, Inc.
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NY Temperature Narration

November 26, 2018

SDG I.D.: GCB97634

The samples in this delivery group were received at 2.6°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Cooler: Yes [X] No [ ]
Coolant: IPK [X] ICE [ ] No [ ]
Temp 2.1°C Pg 1 of 1

PHOENIX Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

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

Contact Options:
[ ] Fax:
[✓] Phone: 631-504-6000
[✓] Email: File

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

Project: 842 Flushing Avenue, Brooklyn, NY
Report to: Environmental Business Consultants
Invoice to: Environmental Business Consultants

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Tenzin Choeying Date:

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

Analysis Request

	PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOC's 8260	SVOC's 8270	Pest/PCBs	TAL Metals	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [X] As is [ ] H2SO4	PL As is [X] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
*	971634	18 MW1	GW					X	X					2	1		1		
*	971635	18 MW2	↓					X	X					2	1		1		
	971636	Duplicate	↓				X	X	X					2	1		1		

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	11-14-18	9:00
[signature]	Kaylin Tancill	11-14-18	1700

Comments, Special Requirements or Regulations:

* 1 Amber says 11/12 & 1 says 11/13
USE DATE 11/12 as date per Tara B
(KT)

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

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

NY
[X] NY 375 GWP
[ ] NY375 Unrestricted Use Soil
[ ] NY375 Residential Soil
[ ] Restricted/Residential
[ ] Commercial
[ ] Industrial

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

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

State where samples were collected: NY

PHOENIX
Environmental Laboratories, Inc.

Thursday, November 08, 2018

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

Project ID: 742-848 FLUSHING AVE., BROOKLYN
Sample ID#s: CB90210 - CB90214

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,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
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
UT Lab Registration #CT00007
VT Lab Registration #VT11301

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
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Environmental Laboratories, Inc.
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NY # 11301

SDG Comments

November 08, 2018

SDG I.D.: GCB90210

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.

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 08, 2018

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

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	TC	11/06/18	9:59
Location Code:	EBC	Received by:	LB	11/07/18	16:24
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	13640				

Laboratory Data

SDG ID: GCB90210
Phoenix ID: CB90210

Project ID: 742-848 FLUSHING AVE., BROOKLYN
Client ID: 18SV2

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	11/07/18	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	11/07/18	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	11/07/18	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	11/07/18	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	11/07/18	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	11/07/18	KCA	1	
1,2,4-Trichlorobenzene	0.273	*0.135*	0.135	2.02	*1.00*	1.00	11/07/18	KCA	1	
1,2,4-Trimethylbenzene	0.971	*0.204*	0.204	4.77	*1.00*	1.00	11/07/18	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	11/07/18	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	11/07/18	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	11/07/18	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	11/07/18	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	11/07/18	KCA	1	
1,3,5-Trimethylbenzene	0.285	*0.204*	0.204	1.40	*1.00*	1.00	11/07/18	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	11/07/18	KCA	1	
1,3-Dichlorobenzene	0.245	*0.166*	0.166	1.47	*1.00*	1.00	11/07/18	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	11/07/18	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	11/07/18	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	11/07/18	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	11/07/18	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	11/07/18	KCA	1	1
4-Methyl-2-pentanone(MIBK)	0.685	*0.244*	0.244	2.80	*1.00*	1.00	11/07/18	KCA	1	
Acetone	57.0	*2.11*	2.11	135	*5.01*	5.01	11/08/18	KCA	5	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	11/07/18	KCA	1	
Benzene	0.713	*0.313*	0.313	2.28	*1.00*	1.00	11/07/18	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	11/07/18	KCA	1	

Project ID: 742-848 FLUSHING AVE., BROOKLYN
Client ID: 18SV2

Phoenix I.D.: CB90210

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	11/07/18	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	11/07/18	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	11/07/18	KCA	1	
Carbon Disulfide	0.492		*0.321*	0.321	1.53	*1.00*	1.00	11/07/18	KCA	1	
Carbon Tetrachloride	0.038		*0.032*	0.032	0.24	*0.20*	0.20	11/07/18	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	11/07/18	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	11/07/18	KCA	1	
Chloroform	9.99		*0.205*	0.205	48.7	*1.00*	1.00	11/07/18	KCA	1	
Chloromethane	ND		*0.485*	0.485	ND	*1.00*	1.00	11/07/18	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.051*	0.051	ND	*0.20*	0.20	11/07/18	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	11/07/18	KCA	1	
Cyclohexane	0.430		*0.291*	0.291	1.48	*1.00*	1.00	11/07/18	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	11/07/18	KCA	1	
Dichlorodifluoromethane	0.535		*0.202*	0.202	2.64	*1.00*	1.00	11/07/18	KCA	1	
Ethanol	35.5		*0.531*	0.531	66.8	*1.00*	1.00	11/07/18	KCA	1	1
Ethyl acetate	0.694		*0.278*	0.278	2.50	*1.00*	1.00	11/07/18	KCA	1	1
Ethylbenzene	0.758		*0.230*	0.230	3.29	*1.00*	1.00	11/07/18	KCA	1	
Heptane	0.651		*0.244*	0.244	2.67	*1.00*	1.00	11/07/18	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	11/07/18	KCA	1	
Hexane	0.696	S	*0.284*	0.284	2.45	*1.00*	1.00	11/07/18	KCA	1	
Isopropylalcohol	9.08		*0.407*	0.407	22.3	*1.00*	1.00	11/07/18	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	11/07/18	KCA	1	
m,p-Xylene	2.88		*0.230*	0.230	12.5	*1.00*	1.00	11/07/18	KCA	1	
Methyl Ethyl Ketone	4.08		*0.339*	0.339	12.0	*1.00*	1.00	11/07/18	KCA	1	
Methyl tert-butyl ether(MTBE)	0.705		*0.278*	0.278	2.54	*1.00*	1.00	11/07/18	KCA	1	
Methylene Chloride	ND		*0.864*	0.864	ND	*3.00*	3.00	11/07/18	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	11/07/18	KCA	1	1
o-Xylene	1.22		*0.230*	0.230	5.29	*1.00*	1.00	11/07/18	KCA	1	
Propylene	2.16		*0.581*	0.581	3.72	*1.00*	1.00	11/07/18	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	11/07/18	KCA	1	1
Styrene	0.302		*0.235*	0.235	1.29	*1.00*	1.00	11/07/18	KCA	1	
Tetrachloroethene	9.94		*0.037*	0.037	67.4	*0.25*	0.25	11/07/18	KCA	1	
Tetrahydrofuran	2.80		*0.339*	0.339	8.25	*1.00*	1.00	11/07/18	KCA	1	1
Toluene	6.02		*0.266*	0.266	22.7	*1.00*	1.00	11/07/18	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	11/07/18	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	11/07/18	KCA	1	
Trichloroethene	0.706		*0.037*	0.037	3.79	*0.20*	0.20	11/07/18	KCA	1	
Trichlorofluoromethane	0.313		*0.178*	0.178	1.76	*1.00*	1.00	11/07/18	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	11/07/18	KCA	1	
Vinyl Chloride	ND		*0.078*	0.078	ND	*0.20*	0.20	11/07/18	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	97		*%*	%	97	*%*	%	11/07/18	KCA	1	

Ver 1

Project ID: 742-848 FLUSHING AVE., BROOKLYN

Client ID: 18SV2

Phoenix I.D.: CB90210

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (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 L=Biased Low 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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

November 08, 2018

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 08, 2018

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

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	TC	11/06/18	10:20
Location Code:	EBC	Received by:	LB	11/07/18	16:24
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	23352				

Laboratory Data

SDG ID: GCB90210
Phoenix ID: CB90211

Project ID: 742-848 FLUSHING AVE., BROOKLYN
Client ID: 18SV5

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	11/07/18	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	11/07/18	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	11/07/18	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	11/07/18	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	11/07/18	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	11/07/18	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	11/07/18	KCA	1	
1,2,4-Trimethylbenzene	0.914	*0.204*	0.204	4.49	*1.00*	1.00	11/07/18	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	11/07/18	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	11/07/18	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	11/07/18	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	11/07/18	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	11/07/18	KCA	1	
1,3,5-Trimethylbenzene	0.270	*0.204*	0.204	1.33	*1.00*	1.00	11/07/18	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	11/07/18	KCA	1	
1,3-Dichlorobenzene	0.249	*0.166*	0.166	1.50	*1.00*	1.00	11/07/18	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	11/07/18	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	11/07/18	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	11/07/18	KCA	1	1
4-Ethyltoluene	0.271	*0.204*	0.204	1.33	*1.00*	1.00	11/07/18	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	11/07/18	KCA	1	1
4-Methyl-2-pentanone(MIBK)	0.851	*0.244*	0.244	3.48	*1.00*	1.00	11/07/18	KCA	1	
Acetone	62.6	*2.11*	2.11	149	*5.01*	5.01	11/08/18	KCA	5	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	11/07/18	KCA	1	
Benzene	13.5	*0.313*	0.313	43.1	*1.00*	1.00	11/07/18	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	11/07/18	KCA	1	

Project ID: 742-848 FLUSHING AVE., BROOKLYN
Client ID: 18SV5

Phoenix I.D.: CB90211

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	0.395		*0.149*	0.149	2.65	*1.00*	1.00	11/07/18	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	11/07/18	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	11/07/18	KCA	1	
Carbon Disulfide	6.73		*0.321*	0.321	20.9	*1.00*	1.00	11/07/18	KCA	1	
Carbon Tetrachloride	0.049		*0.032*	0.032	0.31	*0.20*	0.20	11/07/18	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	11/07/18	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	11/07/18	KCA	1	
Chloroform	22.3		*0.205*	0.205	109	*1.00*	1.00	11/07/18	KCA	1	
Chloromethane	ND		*0.485*	0.485	ND	*1.00*	1.00	11/07/18	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.051*	0.051	ND	*0.20*	0.20	11/07/18	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	11/07/18	KCA	1	
Cyclohexane	0.996		*0.291*	0.291	3.43	*1.00*	1.00	11/07/18	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	11/07/18	KCA	1	
Dichlorodifluoromethane	0.524		*0.202*	0.202	2.59	*1.00*	1.00	11/07/18	KCA	1	
Ethanol	26.4		*0.531*	0.531	49.7	*1.00*	1.00	11/07/18	KCA	1	1
Ethyl acetate	ND		*0.278*	0.278	ND	*1.00*	1.00	11/07/18	KCA	1	1
Ethylbenzene	0.809		*0.230*	0.230	3.51	*1.00*	1.00	11/07/18	KCA	1	
Heptane	1.26		*0.244*	0.244	5.16	*1.00*	1.00	11/07/18	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	11/07/18	KCA	1	
Hexane	1.61	S	*0.284*	0.284	5.67	*1.00*	1.00	11/07/18	KCA	1	
Isopropylalcohol	13.2		*0.407*	0.407	32.4	*1.00*	1.00	11/07/18	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	11/07/18	KCA	1	
m,p-Xylene	2.97		*0.230*	0.230	12.9	*1.00*	1.00	11/07/18	KCA	1	
Methyl Ethyl Ketone	3.42		*0.339*	0.339	10.1	*1.00*	1.00	11/07/18	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	11/07/18	KCA	1	
Methylene Chloride	ND		*0.864*	0.864	ND	*3.00*	3.00	11/07/18	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	11/07/18	KCA	1	1
o-Xylene	1.25		*0.230*	0.230	5.42	*1.00*	1.00	11/07/18	KCA	1	
Propylene	69.3		*2.91*	2.91	119	*5.01*	5.01	11/08/18	KCA	5	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	11/07/18	KCA	1	1
Styrene	0.290		*0.235*	0.235	1.23	*1.00*	1.00	11/07/18	KCA	1	
Tetrachloroethene	0.962		*0.037*	0.037	6.52	*0.25*	0.25	11/07/18	KCA	1	
Tetrahydrofuran	1.91		*0.339*	0.339	5.63	*1.00*	1.00	11/07/18	KCA	1	1
Toluene	8.64		*0.266*	0.266	32.5	*1.00*	1.00	11/07/18	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	11/07/18	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	11/07/18	KCA	1	
Trichloroethene	ND		*0.037*	0.037	ND	*0.20*	0.20	11/07/18	KCA	1	
Trichlorofluoromethane	ND		*0.178*	0.178	ND	*1.00*	1.00	11/07/18	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	11/07/18	KCA	1	
Vinyl Chloride	ND		*0.078*	0.078	ND	*0.20*	0.20	11/07/18	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	98		*%*	%	98	*%*	%	11/07/18	KCA	1	

Ver 1

Project ID: 742-848 FLUSHING AVE., BROOKLYN

Phoenix I.D.: CB90211

Client ID: 18SV5

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (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 L=Biased Low 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.
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Phyllis Shiller, Laboratory Director

November 08, 2018

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 08, 2018

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

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	TC	11/06/18	10:00
Location Code:	EBC	Received by:	LB	11/07/18	16:24
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	495				

Laboratory Data

SDG ID: GCB90210
Phoenix ID: CB90212

Project ID: 742-848 FLUSHING AVE., BROOKLYN
Client ID: 18SV3

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	11/07/18	KCA	1	1
1,1,1-Trichloroethane	0.250	*0.183*	0.183	1.36	*1.00*	1.00	11/07/18	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	11/07/18	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	11/07/18	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	11/07/18	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	11/07/18	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	11/07/18	KCA	1	
1,2,4-Trimethylbenzene	4.54	*0.204*	0.204	22.3	*1.00*	1.00	11/07/18	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	11/07/18	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	11/07/18	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	11/07/18	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	11/07/18	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	11/07/18	KCA	1	
1,3,5-Trimethylbenzene	1.39	*0.204*	0.204	6.83	*1.00*	1.00	11/07/18	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	11/07/18	KCA	1	
1,3-Dichlorobenzene	0.265	*0.166*	0.166	1.59	*1.00*	1.00	11/07/18	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	11/07/18	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	11/07/18	KCA	1	
2-Hexanone(MBK)	2.95	*0.244*	0.244	12.1	*1.00*	1.00	11/07/18	KCA	1	1
4-Ethyltoluene	0.583	*0.204*	0.204	2.86	*1.00*	1.00	11/07/18	KCA	1	1
4-Isopropyltoluene	0.790	*0.182*	0.182	4.33	*1.00*	1.00	11/07/18	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	11/07/18	KCA	1	
Acetone	56.3	*2.11*	2.11	134	*5.01*	5.01	11/08/18	KCA	5	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	11/07/18	KCA	1	
Benzene	0.580	*0.313*	0.313	1.85	*1.00*	1.00	11/07/18	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	11/07/18	KCA	1	

Project ID: 742-848 FLUSHING AVE., BROOKLYN
Client ID: 18SV3

Phoenix I.D.: CB90212

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	11/07/18	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	11/07/18	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	11/07/18	KCA	1	
Carbon Disulfide	1.54		*0.321*	0.321	4.79	*1.00*	1.00	11/07/18	KCA	1	
Carbon Tetrachloride	0.053		*0.032*	0.032	0.33	*0.20*	0.20	11/07/18	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	11/07/18	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	11/07/18	KCA	1	
Chloroform	1.10		*0.205*	0.205	5.37	*1.00*	1.00	11/07/18	KCA	1	
Chloromethane	ND		*0.485*	0.485	ND	*1.00*	1.00	11/07/18	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.051*	0.051	ND	*0.20*	0.20	11/07/18	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	11/07/18	KCA	1	
Cyclohexane	ND		*0.291*	0.291	ND	*1.00*	1.00	11/07/18	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	11/07/18	KCA	1	
Dichlorodifluoromethane	0.530		*0.202*	0.202	2.62	*1.00*	1.00	11/07/18	KCA	1	
Ethanol	36.9		*0.531*	0.531	69.5	*1.00*	1.00	11/07/18	KCA	1	1
Ethyl acetate	ND		*0.278*	0.278	ND	*1.00*	1.00	11/07/18	KCA	1	1
Ethylbenzene	0.964		*0.230*	0.230	4.18	*1.00*	1.00	11/07/18	KCA	1	
Heptane	0.633		*0.244*	0.244	2.59	*1.00*	1.00	11/07/18	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	11/07/18	KCA	1	
Hexane	0.719	S	*0.284*	0.284	2.53	*1.00*	1.00	11/07/18	KCA	1	
Isopropylalcohol	13.6		*0.407*	0.407	33.4	*1.00*	1.00	11/07/18	KCA	1	
Isopropylbenzene	0.354		*0.204*	0.204	1.74	*1.00*	1.00	11/07/18	KCA	1	
m,p-Xylene	3.74		*0.230*	0.230	16.2	*1.00*	1.00	11/07/18	KCA	1	
Methyl Ethyl Ketone	8.54		*0.339*	0.339	25.2	*1.00*	1.00	11/07/18	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	11/07/18	KCA	1	
Methylene Chloride	ND		*0.864*	0.864	ND	*3.00*	3.00	11/07/18	KCA	1	
n-Butylbenzene	1.37		*0.182*	0.182	7.52	*1.00*	1.00	11/07/18	KCA	1	1
o-Xylene	1.67		*0.230*	0.230	7.25	*1.00*	1.00	11/07/18	KCA	1	
Propylene	1.96		*0.581*	0.581	3.37	*1.00*	1.00	11/07/18	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	11/07/18	KCA	1	1
Styrene	0.571		*0.235*	0.235	2.43	*1.00*	1.00	11/07/18	KCA	1	
Tetrachloroethene	16.7		*0.037*	0.037	113	*0.25*	0.25	11/07/18	KCA	1	
Tetrahydrofuran	ND		*0.339*	0.339	ND	*1.00*	1.00	11/07/18	KCA	1	1
Toluene	12.4		*0.266*	0.266	46.7	*1.00*	1.00	11/07/18	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	11/07/18	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	11/07/18	KCA	1	
Trichloroethene	0.065		*0.037*	0.037	0.35	*0.20*	0.20	11/07/18	KCA	1	
Trichlorofluoromethane	0.256		*0.178*	0.178	1.44	*1.00*	1.00	11/07/18	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	11/07/18	KCA	1	
Vinyl Chloride	ND		*0.078*	0.078	ND	*0.20*	0.20	11/07/18	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	115		*%*	%	115	*%*	%	11/07/18	KCA	1	

Ver 1

Project ID: 742-848 FLUSHING AVE., BROOKLYN

Client ID: 18SV3

Phoenix I.D.: CB90212

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (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 L=Biased Low 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.
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Phyllis Shiller, Laboratory Director

November 08, 2018

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 08, 2018

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

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	TC	11/06/18	10:10
Location Code:	EBC	Received by:	LB	11/07/18	16:24
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	23350				

Laboratory Data

SDG ID: GCB90210
Phoenix ID: CB90213

Project ID: 742-848 FLUSHING AVE., BROOKLYN
Client ID: 18SV1

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	11/07/18	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	11/07/18	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	11/07/18	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	11/07/18	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	11/07/18	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	11/07/18	KCA	1	
1,2,4-Trichlorobenzene	0.314	*0.135*	0.135	2.33	*1.00*	1.00	11/07/18	KCA	1	
1,2,4-Trimethylbenzene	1.23	*0.204*	0.204	6.04	*1.00*	1.00	11/07/18	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	11/07/18	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	11/07/18	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	11/07/18	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	11/07/18	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	11/07/18	KCA	1	
1,3,5-Trimethylbenzene	0.357	*0.204*	0.204	1.75	*1.00*	1.00	11/07/18	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	11/07/18	KCA	1	
1,3-Dichlorobenzene	0.337	*0.166*	0.166	2.02	*1.00*	1.00	11/07/18	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	11/07/18	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	11/07/18	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	11/07/18	KCA	1	1
4-Ethyltoluene	0.296	*0.204*	0.204	1.45	*1.00*	1.00	11/07/18	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	11/07/18	KCA	1	1
4-Methyl-2-pentanone(MIBK)	0.796	*0.244*	0.244	3.26	*1.00*	1.00	11/07/18	KCA	1	
Acetone	38.8	*0.421*	0.421	92.1	*1.00*	1.00	11/07/18	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	11/07/18	KCA	1	
Benzene	0.617	*0.313*	0.313	1.97	*1.00*	1.00	11/07/18	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	11/07/18	KCA	1	

Project ID: 742-848 FLUSHING AVE., BROOKLYN
Client ID: 18SV1

Phoenix I.D.: CB90213

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	11/07/18	KCA	1	
Bromoform	ND	*0.097*	0.097	ND	*1.00*	1.00	11/07/18	KCA	1	
Bromomethane	ND	*0.258*	0.258	ND	*1.00*	1.00	11/07/18	KCA	1	
Carbon Disulfide	0.685	*0.321*	0.321	2.13	*1.00*	1.00	11/07/18	KCA	1	
Carbon Tetrachloride	0.033	*0.032*	0.032	0.21	*0.20*	0.20	11/07/18	KCA	1	
Chlorobenzene	ND	*0.217*	0.217	ND	*1.00*	1.00	11/07/18	KCA	1	
Chloroethane	ND	*0.379*	0.379	ND	*1.00*	1.00	11/07/18	KCA	1	
Chloroform	1.36	*0.205*	0.205	6.64	*1.00*	1.00	11/07/18	KCA	1	
Chloromethane	ND	*0.485*	0.485	ND	*1.00*	1.00	11/07/18	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	11/07/18	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	11/07/18	KCA	1	
Cyclohexane	0.418	*0.291*	0.291	1.44	*1.00*	1.00	11/07/18	KCA	1	
Dibromochloromethane	ND	*0.118*	0.118	ND	*1.00*	1.00	11/07/18	KCA	1	
Dichlorodifluoromethane	0.361	*0.202*	0.202	1.78	*1.00*	1.00	11/07/18	KCA	1	
Ethanol	22.4	*0.531*	0.531	42.2	*1.00*	1.00	11/07/18	KCA	1	1
Ethyl acetate	1.28	*0.278*	0.278	4.61	*1.00*	1.00	11/07/18	KCA	1	1
Ethylbenzene	0.904	*0.230*	0.230	3.92	*1.00*	1.00	11/07/18	KCA	1	
Heptane	1.51	*0.244*	0.244	6.18	*1.00*	1.00	11/07/18	KCA	1	
Hexachlorobutadiene	ND	*0.094*	0.094	ND	*1.00*	1.00	11/07/18	KCA	1	
Hexane	6.32	*0.284*	0.284	22.3	*1.00*	1.00	11/07/18	KCA	1	
Isopropylalcohol	19.1	*0.407*	0.407	46.9	*1.00*	1.00	11/07/18	KCA	1	
Isopropylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	11/07/18	KCA	1	
m,p-Xylene	3.27	*0.230*	0.230	14.2	*1.00*	1.00	11/07/18	KCA	1	
Methyl Ethyl Ketone	2.01	*0.339*	0.339	5.92	*1.00*	1.00	11/07/18	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	0.278	ND	*1.00*	1.00	11/07/18	KCA	1	
Methylene Chloride	ND	*0.864*	0.864	ND	*3.00*	3.00	11/07/18	KCA	1	
n-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	11/07/18	KCA	1	1
o-Xylene	1.39	*0.230*	0.230	6.03	*1.00*	1.00	11/07/18	KCA	1	
Propylene	16.7	*0.581*	0.581	28.7	*1.00*	1.00	11/07/18	KCA	1	1
sec-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	11/07/18	KCA	1	1
Styrene	0.395	*0.235*	0.235	1.68	*1.00*	1.00	11/07/18	KCA	1	
Tetrachloroethene	2.42	*0.037*	0.037	16.4	*0.25*	0.25	11/07/18	KCA	1	
Tetrahydrofuran	1.90	*0.339*	0.339	5.60	*1.00*	1.00	11/07/18	KCA	1	1
Toluene	7.33	*0.266*	0.266	27.6	*1.00*	1.00	11/07/18	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	11/07/18	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	11/07/18	KCA	1	
Trichloroethene	0.088	*0.037*	0.037	0.47	*0.20*	0.20	11/07/18	KCA	1	
Trichlorofluoromethane	ND	*0.178*	0.178	ND	*1.00*	1.00	11/07/18	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	0.131	ND	*1.00*	1.00	11/07/18	KCA	1	
Vinyl Chloride	ND	*0.078*	0.078	ND	*0.20*	0.20	11/07/18	KCA	1	
QA/QC Surrogates										
% Bromofluorobenzene	99	%	%	99	%	%	11/07/18	KCA	1	

Ver 1

Project ID: 742-848 FLUSHING AVE., BROOKLYN

Client ID: 18SV1

Phoenix I.D.: CB90213

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (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 L=Biased Low 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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

November 08, 2018

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 08, 2018

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

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	TC	11/06/18	9:32
Location Code:	EBC	Received by:	LB	11/07/18	16:24
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	13639				

Laboratory Data

SDG ID: GCB90210
Phoenix ID: CB90214

Project ID: 742-848 FLUSHING AVE., BROOKLYN
Client ID: 18SV4

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	11/08/18	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	11/08/18	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	11/08/18	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	11/08/18	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	11/08/18	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	11/08/18	KCA	1	
1,2,4-Trichlorobenzene	0.155	*0.135*	0.135	1.15	*1.00*	1.00	11/08/18	KCA	1	
1,2,4-Trimethylbenzene	4.37	*0.204*	0.204	21.5	*1.00*	1.00	11/08/18	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	11/08/18	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	11/08/18	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	11/08/18	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	11/08/18	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	11/08/18	KCA	1	
1,3,5-Trimethylbenzene	1.12	*0.204*	0.204	5.50	*1.00*	1.00	11/08/18	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	11/08/18	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	11/08/18	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	11/08/18	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	11/08/18	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	11/08/18	KCA	1	1
4-Ethyltoluene	0.620	*0.204*	0.204	3.05	*1.00*	1.00	11/08/18	KCA	1	1
4-Isopropyltoluene	0.457	*0.182*	0.182	2.51	*1.00*	1.00	11/08/18	KCA	1	1
4-Methyl-2-pentanone(MIBK)	0.866	*0.244*	0.244	3.55	*1.00*	1.00	11/08/18	KCA	1	
Acetone	49.6	*2.11*	2.11	118	*5.01*	5.01	11/08/18	KCA	5	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	11/08/18	KCA	1	
Benzene	3.07	*0.313*	0.313	9.8	*1.00*	1.00	11/08/18	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	11/08/18	KCA	1	

Ver 1

Project ID: 742-848 FLUSHING AVE., BROOKLYN
Client ID: 18SV4

Phoenix I.D.: CB90214

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	11/08/18	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	11/08/18	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	11/08/18	KCA	1	
Carbon Disulfide	7.14		*0.321*	0.321	22.2	*1.00*	1.00	11/08/18	KCA	1	
Carbon Tetrachloride	0.072		*0.032*	0.032	0.45	*0.20*	0.20	11/08/18	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	11/08/18	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	11/08/18	KCA	1	
Chloroform	6.48		*0.205*	0.205	31.6	*1.00*	1.00	11/08/18	KCA	1	
Chloromethane	0.511		*0.485*	0.485	1.05	*1.00*	1.00	11/08/18	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.051*	0.051	ND	*0.20*	0.20	11/08/18	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	11/08/18	KCA	1	
Cyclohexane	1.92		*0.291*	0.291	6.60	*1.00*	1.00	11/08/18	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	11/08/18	KCA	1	
Dichlorodifluoromethane	3.07		*0.202*	0.202	15.2	*1.00*	1.00	11/08/18	KCA	1	
Ethanol	54.7	E	*0.531*	0.531	103	*1.00*	1.00	11/08/18	KCA	1	1
Ethyl acetate	ND		*0.278*	0.278	ND	*1.00*	1.00	11/08/18	KCA	1	1
Ethylbenzene	1.03		*0.230*	0.230	4.47	*1.00*	1.00	11/08/18	KCA	1	
Heptane	2.71		*0.244*	0.244	11.1	*1.00*	1.00	11/08/18	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	11/08/18	KCA	1	
Hexane	5.94		*0.284*	0.284	20.9	*1.00*	1.00	11/08/18	KCA	1	
Isopropylalcohol	13.9		*0.407*	0.407	34.1	*1.00*	1.00	11/08/18	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	11/08/18	KCA	1	
m,p-Xylene	3.54		*0.230*	0.230	15.4	*1.00*	1.00	11/08/18	KCA	1	
Methyl Ethyl Ketone	4.53		*0.339*	0.339	13.4	*1.00*	1.00	11/08/18	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	11/08/18	KCA	1	
Methylene Chloride	2.97	S	*0.864*	0.864	10.3	*3.00*	3.00	11/08/18	KCA	1	
n-Butylbenzene	0.980		*0.182*	0.182	5.38	*1.00*	1.00	11/08/18	KCA	1	1
o-Xylene	1.56		*0.230*	0.230	6.77	*1.00*	1.00	11/08/18	KCA	1	
Propylene	35.3		*2.91*	2.91	60.7	*5.01*	5.01	11/08/18	KCA	5	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	11/08/18	KCA	1	1
Styrene	0.357		*0.235*	0.235	1.52	*1.00*	1.00	11/08/18	KCA	1	
Tetrachloroethene	4.18		*0.037*	0.037	28.3	*0.25*	0.25	11/08/18	KCA	1	
Tetrahydrofuran	3.29		*0.339*	0.339	9.7	*1.00*	1.00	11/08/18	KCA	1	1
Toluene	9.00		*0.266*	0.266	33.9	*1.00*	1.00	11/08/18	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	11/08/18	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	11/08/18	KCA	1	
Trichloroethene	0.097		*0.037*	0.037	0.52	*0.20*	0.20	11/08/18	KCA	1	
Trichlorofluoromethane	0.477		*0.178*	0.178	2.68	*1.00*	1.00	11/08/18	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	11/08/18	KCA	1	
Vinyl Chloride	ND		*0.078*	0.078	ND	*0.20*	0.20	11/08/18	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	91		%	%	91	%	%	11/08/18	KCA	1	

Ver 1

Project ID: 742-848 FLUSHING AVE., BROOKLYN

Client ID: 18SV4

Phoenix I.D.: CB90214

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (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 L=Biased Low 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.
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Phyllis Shiller, Laboratory Director

November 08, 2018

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Thursday, November 08, 2018

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCB90210 - 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 exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

PHOENIX Environmental Laboratories, Inc.

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CHAIN OF CUSTODY RECORD
AIR ANALYSES

800-827-5426

email: greg@phoenixlabs.com

P.O. # | Page 1 of 1

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

Report to: Maggie Ellis

Customer: EBC

Address:

Invoice to: EBC

Sampled by: Tenzin Chogying

Project Name: 842-848 Flushing Ave, Brooklyn

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

State where samples collected: NY

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-14	TO-15
		THIS SECTION FOR LAB USE ONLY											MATRIX			ANALYSES	
90210	18SV2	13640	6.0	-30	-4	3957	43	7.59	9.59	-29	-5			X			X
90211	18SV5	23352			-5	5036		8.28	10.20	-29	-5			X			X
	Did not use	13637				5403											
90212	18SV3	495			-6	3220		07.35	10.00	-29	-5			X			X
90213	18SV1	23350			-6	3262		8.10	10.10	-29	-5			X			X
90214	18SV4	13639			-7	5710		07.45	9.32	-27	-5			X			X
	Did not use	19426				7428											

Relinquished by:	Accepted by:	Date:	Time:
		11-7-18	12:48
		11-7-18	16:25

Data Format: Excel ☒ Equis ☐ Other ☐ ( )

Turnaround Time: ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☒ Standard

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION: (7)(6.0)(24HR)

Requested Criteria

Quote Number:

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

Signature: Date:

PHOENIX
Environmental Laboratories, Inc.

Thursday, November 15, 2018

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

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Sample ID#s: CB90220 - CB90232

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,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
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
UT Lab Registration #CT00007
VT Lab Registration #VT11301

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG Comments

November 15, 2018

SDG I.D.: GCB90220

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

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 15, 2018

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		11/06/18	
Location Code:	EBC	Received by:	CP	11/07/18	16:24
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCB90220
Phoenix ID: CB90220

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB1 (2-4`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.40	0.40		mg/Kg	1	11/09/18	EK	SW6010C
Aluminum	7580	40		mg/Kg	10	11/08/18	EK	SW6010C
Arsenic	29.8	0.79		mg/Kg	1	11/09/18	EK	SW6010C
Barium	130	0.8		mg/Kg	1	11/09/18	EK	SW6010C
Beryllium	0.35	0.32		mg/Kg	1	11/09/18	EK	SW6010C
Calcium	39100	40		mg/Kg	10	11/08/18	EK	SW6010C
Cadmium	0.72	0.40		mg/Kg	1	11/09/18	EK	SW6010C
Cobalt	5.21	0.40		mg/Kg	1	11/09/18	EK	SW6010C
Chromium	38.6	0.40		mg/Kg	1	11/09/18	EK	SW6010C
Copper	36.6	0.8		mg/kg	1	11/09/18	EK	SW6010C
Iron	15300	40		mg/Kg	10	11/08/18	EK	SW6010C
Mercury	0.36	0.03		mg/Kg	1	11/08/18	RS	SW7471B
Potassium	1110	8		mg/Kg	1	11/09/18	EK	SW6010C
Magnesium	3790	4.0		mg/Kg	1	11/09/18	EK	SW6010C
Manganese	307	4.0		mg/Kg	10	11/08/18	EK	SW6010C
Sodium	147	8		mg/Kg	1	11/09/18	EK	SW6010C
Nickel	14.5	0.40		mg/Kg	1	11/09/18	EK	SW6010C
Lead	268	7.9		mg/Kg	10	11/08/18	EK	SW6010C
Antimony	< 4.0	4.0		mg/Kg	1	11/09/18	EK	SW6010C
Selenium	< 1.6	1.6		mg/Kg	1	11/09/18	EK	SW6010C
Thallium	< 1.6	1.6		mg/Kg	1	11/09/18	EK	SW6010C
Vanadium	23.2	0.40		mg/Kg	1	11/09/18	EK	SW6010C
Zinc	314	7.9		mg/Kg	10	11/08/18	EK	SW6010C
Percent Solid	90			%		11/07/18	AK	SW846-%Solid
Soil Extraction for PCB	Completed					11/08/18	MJ/V	SW3545A
Soil Extraction for Pesticides	Completed					11/08/18	MJ/V	SW3545A
Soil Extraction for SVOA	Completed					11/07/18	JJ/CKV	SW3545A
Mercury Digestion	Completed					11/08/18	EV/Q	SW7471B

Ver 1

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB1 (2-4`)

Phoenix I.D.: CB90220

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed					11/07/18	CK/AG/BF	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	74	74	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1221	ND	74	74	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1232	ND	74	74	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1242	ND	74	74	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1248	ND	74	74	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1254	ND	74	74	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1260	ND	74	74	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1262	ND	74	74	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1268	ND	74	74	ug/Kg	2	11/09/18	AW	SW8082A
QA/QC Surrogates								
% DCBP	104			%	2	11/09/18	AW	30 - 150 %
% TCMX	92			%	2	11/09/18	AW	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.2		ug/Kg	2	11/09/18	CW	SW8081B
4,4' -DDE	ND	2.2		ug/Kg	2	11/09/18	CW	SW8081B
4,4' -DDT	ND	2.2		ug/Kg	2	11/09/18	CW	SW8081B
a-BHC	ND	7.4		ug/Kg	2	11/09/18	CW	SW8081B
a-Chlordane	ND	3.7		ug/Kg	2	11/09/18	CW	SW8081B
Aldrin	ND	3.7		ug/Kg	2	11/09/18	CW	SW8081B
b-BHC	ND	7.4		ug/Kg	2	11/09/18	CW	SW8081B
Chlordane	ND	37		ug/Kg	2	11/09/18	CW	SW8081B
d-BHC	ND	7.4		ug/Kg	2	11/09/18	CW	SW8081B
Dieldrin	ND	3.7		ug/Kg	2	11/09/18	CW	SW8081B
Endosulfan I	ND	7.4		ug/Kg	2	11/09/18	CW	SW8081B
Endosulfan II	ND	7.4		ug/Kg	2	11/09/18	CW	SW8081B
Endosulfan sulfate	ND	7.4		ug/Kg	2	11/09/18	CW	SW8081B
Endrin	ND	7.4		ug/Kg	2	11/09/18	CW	SW8081B
Endrin aldehyde	ND	7.4		ug/Kg	2	11/09/18	CW	SW8081B
Endrin ketone	ND	7.4		ug/Kg	2	11/09/18	CW	SW8081B
g-BHC	ND	1.5		ug/Kg	2	11/09/18	CW	SW8081B
g-Chlordane	ND	3.7		ug/Kg	2	11/09/18	CW	SW8081B
Heptachlor	ND	7.4		ug/Kg	2	11/09/18	CW	SW8081B
Heptachlor epoxide	ND	7.4		ug/Kg	2	11/09/18	CW	SW8081B
Methoxychlor	ND	37		ug/Kg	2	11/09/18	CW	SW8081B
Toxaphene	ND	150		ug/Kg	2	11/09/18	CW	SW8081B
QA/QC Surrogates								
% DCBP	87			%	2	11/09/18	CW	30 - 150 %
% TCMX	70			%	2	11/09/18	CW	30 - 150 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	3.2	0.63	ug/Kg	1	11/10/18	JLI	SW8260C
1,1,1-Trichloroethane	ND	3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	3.2	0.63	ug/Kg	1	11/10/18	JLI	SW8260C
1,1,2-Trichloroethane	ND	3.2	0.63	ug/Kg	1	11/10/18	JLI	SW8260C
1,1-Dichloroethane	ND	3.2	0.63	ug/Kg	1	11/10/18	JLI	SW8260C
1,1-Dichloroethene	ND	3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB1 (2-4`)

Phoenix I.D.: CB90220

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloropropene	ND		3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		3.2	0.63	ug/Kg	1	11/10/18	JLI	SW8260C	
1,2,3-Trichloropropane	ND		3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		3.2	0.63	ug/Kg	1	11/10/18	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND		3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		3.2	0.63	ug/Kg	1	11/10/18	JLI	SW8260C	
1,2-Dibromoethane	ND		3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C	
1,2-Dichlorobenzene	ND		3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C	
1,2-Dichloroethane	ND		3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C	
1,2-Dichloropropane	ND		3.2	0.63	ug/Kg	1	11/10/18	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND		3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C	
1,3-Dichlorobenzene	ND		3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C	
1,3-Dichloropropane	ND		3.2	0.63	ug/Kg	1	11/10/18	JLI	SW8260C	
1,4-Dichlorobenzene	ND		3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C	
2,2-Dichloropropane	ND		3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C	
2-Chlorotoluene	ND		3.2	0.63	ug/Kg	1	11/10/18	JLI	SW8260C	
2-Hexanone	ND		16	3.2	ug/Kg	1	11/10/18	JLI	SW8260C	
2-Isopropyltoluene	ND		3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C	1
4-Chlorotoluene	ND		3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C	
4-Methyl-2-pentanone	ND		16	3.2	ug/Kg	1	11/10/18	JLI	SW8260C	
Acetone	19	S	16	3.2	ug/Kg	1	11/10/18	JLI	SW8260C	
Acrylonitrile	ND		6.3	0.63	ug/Kg	1	11/10/18	JLI	SW8260C	
Benzene	ND		3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C	
Bromobenzene	ND		3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C	
Bromochloromethane	ND		3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C	
Bromodichloromethane	ND		3.2	0.63	ug/Kg	1	11/10/18	JLI	SW8260C	
Bromoform	ND		3.2	0.63	ug/Kg	1	11/10/18	JLI	SW8260C	
Bromomethane	ND		3.2	1.3	ug/Kg	1	11/10/18	JLI	SW8260C	
Carbon Disulfide	ND		3.2	0.63	ug/Kg	1	11/10/18	JLI	SW8260C	
Carbon tetrachloride	ND		3.2	0.63	ug/Kg	1	11/10/18	JLI	SW8260C	
Chlorobenzene	ND		3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C	
Chloroethane	ND		3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C	
Chloroform	ND		3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C	
Chloromethane	ND		3.2	0.63	ug/Kg	1	11/10/18	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C	
Dibromochloromethane	ND		3.2	0.63	ug/Kg	1	11/10/18	JLI	SW8260C	
Dibromomethane	ND		3.2	0.63	ug/Kg	1	11/10/18	JLI	SW8260C	
Dichlorodifluoromethane	ND		3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C	
Ethylbenzene	ND		3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C	
Hexachlorobutadiene	ND		3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C	
Isopropylbenzene	ND		3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C	
m&p-Xylene	ND		3.2	0.63	ug/Kg	1	11/10/18	JLI	SW8260C	
Methyl Ethyl Ketone	ND		19	3.2	ug/Kg	1	11/10/18	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		6.3	0.63	ug/Kg	1	11/10/18	JLI	SW8260C	
Methylene chloride	ND		3.2	3.2	ug/Kg	1	11/10/18	JLI	SW8260C	
Naphthalene	ND		3.2	0.63	ug/Kg	1	11/10/18	JLI	SW8260C	
n-Butylbenzene	ND		3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C	
n-Propylbenzene	ND		3.2	0.63	ug/Kg	1	11/10/18	JLI	SW8260C	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB1 (2-4`)

Phoenix I.D.: CB90220

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
o-Xylene	ND		3.2	0.63	ug/Kg	1	11/10/18	JLI	SW8260C	
p-Isopropyltoluene	ND		3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C	
sec-Butylbenzene	ND		3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C	
Styrene	ND		3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C	
tert-Butylbenzene	ND		3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C	
Tetrachloroethene	78	J	330	67	ug/Kg	50	11/10/18	JLI	SW8260C	
Tetrahydrofuran (THF)	ND		6.3	1.6	ug/Kg	1	11/10/18	JLI	SW8260C	1
Toluene	0.65	J	3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C	
trans-1,2-Dichloroethene	ND		3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C	
trans-1,3-Dichloropropene	ND		3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND		6.3	1.6	ug/Kg	1	11/10/18	JLI	SW8260C	
Trichloroethene	ND		3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C	
Trichlorofluoromethane	ND		3.2	0.63	ug/Kg	1	11/10/18	JLI	SW8260C	
Trichlorotrifluoroethane	ND		3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C	
Vinyl chloride	ND		3.2	0.32	ug/Kg	1	11/10/18	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	100				%	1	11/10/18	JLI	70 - 130 %	
% Bromofluorobenzene	95				%	1	11/10/18	JLI	70 - 130 %	
% Dibromofluoromethane	84				%	1	11/10/18	JLI	70 - 130 %	
% Toluene-d8	97				%	1	11/10/18	JLI	70 - 130 %	
1,4-dioxane										
1,4-dioxane	ND		47		ug/kg	1	11/10/18	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	100				%	1	11/10/18	JLI	70 - 130 %	
% Bromofluorobenzene	95				%	1	11/10/18	JLI	70 - 130 %	
% Toluene-d8	97				%	1	11/10/18	JLI	70 - 130 %	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		13		ug/Kg	1	11/10/18	JLI	SW8260C	
Acrolein	ND		3.2		ug/Kg	1	11/10/18	JLI	SW8260C	
Acrylonitrile	ND		13		ug/Kg	1	11/10/18	JLI	SW8260C	
Tert-butyl alcohol	ND		63		ug/Kg	1	11/10/18	JLI	SW8260C	
Semivolatiles										
1,2,4,5-Tetrachlorobenzene	ND		250	130	ug/Kg	1	11/08/18	WB	SW8270D	
1,2,4-Trichlorobenzene	ND		250	110	ug/Kg	1	11/08/18	WB	SW8270D	
1,2-Dichlorobenzene	ND		250	100	ug/Kg	1	11/08/18	WB	SW8270D	
1,2-Diphenylhydrazine	ND		250	120	ug/Kg	1	11/08/18	WB	SW8270D	
1,3-Dichlorobenzene	ND		250	110	ug/Kg	1	11/08/18	WB	SW8270D	
1,4-Dichlorobenzene	ND		250	110	ug/Kg	1	11/08/18	WB	SW8270D	
2,4,5-Trichlorophenol	ND		250	200	ug/Kg	1	11/08/18	WB	SW8270D	
2,4,6-Trichlorophenol	ND		180	120	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dichlorophenol	ND		180	130	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dimethylphenol	ND		250	90	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dinitrophenol	ND		250	250	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dinitrotoluene	ND		180	140	ug/Kg	1	11/08/18	WB	SW8270D	
2,6-Dinitrotoluene	ND		180	110	ug/Kg	1	11/08/18	WB	SW8270D	
2-Chloronaphthalene	ND		250	100	ug/Kg	1	11/08/18	WB	SW8270D	
2-Chlorophenol	ND		250	100	ug/Kg	1	11/08/18	WB	SW8270D	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB1 (2-4`)

Phoenix I.D.: CB90220

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2-Methylnaphthalene	ND	250	110	ug/Kg	1	11/08/18	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	11/08/18	WB	SW8270D	
2-Nitroaniline	ND	250	250	ug/Kg	1	11/08/18	WB	SW8270D	
2-Nitrophenol	ND	250	230	ug/Kg	1	11/08/18	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	11/08/18	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	11/08/18	WB	SW8270D	
3-Nitroaniline	ND	360	720	ug/Kg	1	11/08/18	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	220	72	ug/Kg	1	11/08/18	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	1	11/08/18	WB	SW8270D	
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	1	11/08/18	WB	SW8270D	
4-Chloroaniline	ND	290	170	ug/Kg	1	11/08/18	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	11/08/18	WB	SW8270D	
4-Nitroaniline	ND	360	120	ug/Kg	1	11/08/18	WB	SW8270D	
4-Nitrophenol	ND	360	160	ug/Kg	1	11/08/18	WB	SW8270D	
Acenaphthene	ND	250	110	ug/Kg	1	11/08/18	WB	SW8270D	
Acenaphthylene	ND	250	100	ug/Kg	1	11/08/18	WB	SW8270D	
Acetophenone	ND	250	110	ug/Kg	1	11/08/18	WB	SW8270D	
Aniline	ND	290	290	ug/Kg	1	11/08/18	WB	SW8270D	
Anthracene	ND	250	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benz(a)anthracene	460	250	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzidine	ND	360	210	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(a)pyrene	490	180	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(b)fluoranthene	410	250	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(ghi)perylene	340	250	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(k)fluoranthene	400	250	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzoic acid	ND	1800	720	ug/Kg	1	11/08/18	WB	SW8270D	
Benzyl butyl phthalate	ND	250	93	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	250	100	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	180	98	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	250	100	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	11/08/18	WB	SW8270D	
Carbazole	ND	180	140	ug/Kg	1	11/08/18	WB	SW8270D	
Chrysene	510	250	120	ug/Kg	1	11/08/18	WB	SW8270D	
Dibenz(a,h)anthracene	ND	180	120	ug/Kg	1	11/08/18	WB	SW8270D	
Dibenzofuran	ND	250	110	ug/Kg	1	11/08/18	WB	SW8270D	
Diethyl phthalate	ND	250	110	ug/Kg	1	11/08/18	WB	SW8270D	
Dimethylphthalate	ND	250	110	ug/Kg	1	11/08/18	WB	SW8270D	
Di-n-butylphthalate	ND	250	96	ug/Kg	1	11/08/18	WB	SW8270D	
Di-n-octylphthalate	ND	250	93	ug/Kg	1	11/08/18	WB	SW8270D	
Fluoranthene	700	250	120	ug/Kg	1	11/08/18	WB	SW8270D	
Fluorene	ND	250	120	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachlorobenzene	ND	180	110	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachlorobutadiene	ND	250	130	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachloroethane	ND	180	110	ug/Kg	1	11/08/18	WB	SW8270D	
Indeno(1,2,3-cd)pyrene	330	250	120	ug/Kg	1	11/08/18	WB	SW8270D	
Isophorone	ND	2200	2200	ug/Kg	1	11/08/18	WB	SW8270D	
Naphthalene	ND	250	100	ug/Kg	1	11/08/18	WB	SW8270D	
Nitrobenzene	ND	180	130	ug/Kg	1	11/08/18	WB	SW8270D	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB1 (2-4`)

Phoenix I.D.: CB90220

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	11/08/18	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND	180	120	ug/Kg	1	11/08/18	WB	SW8270D	
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	1	11/08/18	WB	SW8270D	
Pentachloronitrobenzene	ND	250	130	ug/Kg	1	11/08/18	WB	SW8270D	
Pentachlorophenol	ND	220	140	ug/Kg	1	11/08/18	WB	SW8270D	
Phenanthrene	350	250	100	ug/Kg	1	11/08/18	WB	SW8270D	
Phenol	ND	250	120	ug/Kg	1	11/08/18	WB	SW8270D	
Pyrene	850	250	120	ug/Kg	1	11/08/18	WB	SW8270D	
Pyridine	ND	250	89	ug/Kg	1	11/08/18	WB	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	54			%	1	11/08/18	WB	30 - 130 %	
% 2-Fluorobiphenyl	58			%	1	11/08/18	WB	30 - 130 %	
% 2-Fluorophenol	29			%	1	11/08/18	WB	30 - 130 %	3
% Nitrobenzene-d5	62			%	1	11/08/18	WB	30 - 130 %	
% Phenol-d5	62			%	1	11/08/18	WB	30 - 130 %	
% Terphenyl-d14	49			%	1	11/08/18	WB	30 - 130 %	
Field Extraction	Completed					11/06/18		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.

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

S - Laboratory solvent, contamination is possible.

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

Phyllis Shiller, Laboratory Director
November 15, 2018
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 15, 2018

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		11/06/18	
Location Code:	EBC	Received by:	CP	11/07/18	16:24
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCB90220
Phoenix ID: CB90221

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB1 (5-7`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.37	0.37		mg/Kg	1	11/09/18	EK	SW6010C
Aluminum	7960	37		mg/Kg	10	11/08/18	EK	SW6010C
Arsenic	2.77	0.74		mg/Kg	1	11/09/18	EK	SW6010C
Barium	83.0	0.7		mg/Kg	1	11/09/18	EK	SW6010C
Beryllium	0.37	0.30		mg/Kg	1	11/09/18	EK	SW6010C
Calcium	2270	3.7		mg/Kg	1	11/09/18	EK	SW6010C
Cadmium	0.48	0.37		mg/Kg	1	11/09/18	EK	SW6010C
Cobalt	5.10	0.37		mg/Kg	1	11/09/18	EK	SW6010C
Chromium	13.9	0.37		mg/Kg	1	11/09/18	EK	SW6010C
Copper	18.9	0.7		mg/kg	1	11/09/18	EK	SW6010C
Iron	17400	37		mg/Kg	10	11/08/18	EK	SW6010C
Mercury	0.39	0.03		mg/Kg	1	11/08/18	RS	SW7471B
Potassium	767	7		mg/Kg	1	11/09/18	EK	SW6010C
Magnesium	1710	3.7		mg/Kg	1	11/09/18	EK	SW6010C
Manganese	232	3.7		mg/Kg	10	11/08/18	EK	SW6010C
Sodium	110	7		mg/Kg	1	11/09/18	EK	SW6010C
Nickel	10.1	0.37		mg/Kg	1	11/09/18	EK	SW6010C
Lead	64.9	0.7		mg/Kg	1	11/09/18	EK	SW6010C
Antimony	< 3.7	3.7		mg/Kg	1	11/09/18	EK	SW6010C
Selenium	< 1.5	1.5		mg/Kg	1	11/09/18	EK	SW6010C
Thallium	< 1.5	1.5		mg/Kg	1	11/09/18	EK	SW6010C
Vanadium	23.5	0.37		mg/Kg	1	11/09/18	EK	SW6010C
Zinc	209	7.4		mg/Kg	10	11/08/18	EK	SW6010C
Percent Solid	89			%		11/07/18	AK	SW846-%Solid
Soil Extraction for PCB	Completed					11/08/18	MJ/V	SW3545A
Soil Extraction for Pesticides	Completed					11/08/18	MJ/V	SW3545A
Soil Extraction for SVOA	Completed					11/07/18	JJ/CKV	SW3545A
Mercury Digestion	Completed					11/08/18	EV/Q	SW7471B

Ver 1

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB1 (5-7`)

Phoenix I.D.: CB90221

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed					11/07/18	CK/AG/BF	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	75	75	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1221	ND	75	75	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1232	ND	75	75	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1242	ND	75	75	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1248	ND	75	75	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1254	ND	75	75	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1260	ND	75	75	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1262	ND	75	75	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1268	ND	75	75	ug/Kg	2	11/09/18	AW	SW8082A
QA/QC Surrogates								
% DCBP	98			%	2	11/09/18	AW	30 - 150 %
% TCMX	86			%	2	11/09/18	AW	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.2		ug/Kg	2	11/09/18	CW	SW8081B
4,4' -DDE	ND	2.2		ug/Kg	2	11/09/18	CW	SW8081B
4,4' -DDT	ND	2.2		ug/Kg	2	11/09/18	CW	SW8081B
a-BHC	ND	7.5		ug/Kg	2	11/09/18	CW	SW8081B
a-Chlordane	ND	3.7		ug/Kg	2	11/09/18	CW	SW8081B
Aldrin	ND	3.7		ug/Kg	2	11/09/18	CW	SW8081B
b-BHC	ND	7.5		ug/Kg	2	11/09/18	CW	SW8081B
Chlordane	ND	37		ug/Kg	2	11/09/18	CW	SW8081B
d-BHC	ND	7.5		ug/Kg	2	11/09/18	CW	SW8081B
Dieldrin	ND	3.7		ug/Kg	2	11/09/18	CW	SW8081B
Endosulfan I	ND	7.5		ug/Kg	2	11/09/18	CW	SW8081B
Endosulfan II	ND	7.5		ug/Kg	2	11/09/18	CW	SW8081B
Endosulfan sulfate	ND	7.5		ug/Kg	2	11/09/18	CW	SW8081B
Endrin	ND	7.5		ug/Kg	2	11/09/18	CW	SW8081B
Endrin aldehyde	ND	7.5		ug/Kg	2	11/09/18	CW	SW8081B
Endrin ketone	ND	7.5		ug/Kg	2	11/09/18	CW	SW8081B
g-BHC	ND	1.5		ug/Kg	2	11/09/18	CW	SW8081B
g-Chlordane	ND	3.7		ug/Kg	2	11/09/18	CW	SW8081B
Heptachlor	ND	7.5		ug/Kg	2	11/09/18	CW	SW8081B
Heptachlor epoxide	ND	7.5		ug/Kg	2	11/09/18	CW	SW8081B
Methoxychlor	ND	37		ug/Kg	2	11/09/18	CW	SW8081B
Toxaphene	ND	150		ug/Kg	2	11/09/18	CW	SW8081B
QA/QC Surrogates								
% DCBP	99			%	2	11/09/18	CW	30 - 150 %
% TCMX	80			%	2	11/09/18	CW	30 - 150 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.2	1.0	ug/Kg	1	11/09/18	PS	SW8260C
1,1,1-Trichloroethane	ND	5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.2	1.0	ug/Kg	1	11/09/18	PS	SW8260C
1,1,2-Trichloroethane	ND	5.2	1.0	ug/Kg	1	11/09/18	PS	SW8260C
1,1-Dichloroethane	ND	5.2	1.0	ug/Kg	1	11/09/18	PS	SW8260C
1,1-Dichloroethene	ND	5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB1 (5-7`)

Phoenix I.D.: CB90221

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C	
1,2,3-Trichlorobenzene	ND		5.2	1.0	ug/Kg	1	11/09/18	PS	SW8260C	
1,2,3-Trichloropropane	ND		5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C	
1,2,4-Trichlorobenzene	ND		5.2	1.0	ug/Kg	1	11/09/18	PS	SW8260C	
1,2,4-Trimethylbenzene	ND		5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C	
1,2-Dibromo-3-chloropropane	ND		5.2	1.0	ug/Kg	1	11/09/18	PS	SW8260C	
1,2-Dibromoethane	ND		5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C	
1,2-Dichlorobenzene	ND		5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C	
1,2-Dichloroethane	ND		5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C	
1,2-Dichloropropane	ND		5.2	1.0	ug/Kg	1	11/09/18	PS	SW8260C	
1,3,5-Trimethylbenzene	ND		5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C	
1,3-Dichlorobenzene	ND		5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C	
1,3-Dichloropropane	ND		5.2	1.0	ug/Kg	1	11/09/18	PS	SW8260C	
1,4-Dichlorobenzene	ND		5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C	
2,2-Dichloropropane	ND		5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C	
2-Chlorotoluene	ND		5.2	1.0	ug/Kg	1	11/09/18	PS	SW8260C	
2-Hexanone	ND		26	5.2	ug/Kg	1	11/09/18	PS	SW8260C	
2-Isopropyltoluene	ND		5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C	1
4-Chlorotoluene	ND		5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C	
4-Methyl-2-pentanone	ND		26	5.2	ug/Kg	1	11/09/18	PS	SW8260C	
Acetone	ND	L	28	5.6	ug/Kg	1	11/13/18	PS	SW8260C	
Acrylonitrile	ND		10	1.0	ug/Kg	1	11/09/18	PS	SW8260C	
Benzene	ND		5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C	
Bromobenzene	ND		5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C	
Bromochloromethane	ND		5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C	
Bromodichloromethane	ND		5.2	1.0	ug/Kg	1	11/09/18	PS	SW8260C	
Bromoform	ND		5.2	1.0	ug/Kg	1	11/09/18	PS	SW8260C	
Bromomethane	ND		5.2	2.1	ug/Kg	1	11/09/18	PS	SW8260C	
Carbon Disulfide	ND		5.2	1.0	ug/Kg	1	11/09/18	PS	SW8260C	
Carbon tetrachloride	ND		5.2	1.0	ug/Kg	1	11/09/18	PS	SW8260C	
Chlorobenzene	ND		5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C	
Chloroethane	ND		5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C	
Chloroform	ND		5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C	
Chloromethane	ND		5.2	1.0	ug/Kg	1	11/09/18	PS	SW8260C	
cis-1,2-Dichloroethene	ND		5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C	
cis-1,3-Dichloropropene	ND		5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C	
Dibromochloromethane	ND		5.2	1.0	ug/Kg	1	11/09/18	PS	SW8260C	
Dibromomethane	ND		5.2	1.0	ug/Kg	1	11/09/18	PS	SW8260C	
Dichlorodifluoromethane	ND		5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C	
Ethylbenzene	ND		5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C	
Hexachlorobutadiene	ND		5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C	
Isopropylbenzene	ND		5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C	
m&p-Xylene	ND		5.2	1.0	ug/Kg	1	11/09/18	PS	SW8260C	
Methyl Ethyl Ketone	ND		31	5.2	ug/Kg	1	11/09/18	PS	SW8260C	
Methyl t-butyl ether (MTBE)	ND		10	1.0	ug/Kg	1	11/09/18	PS	SW8260C	
Methylene chloride	ND		5.2	5.2	ug/Kg	1	11/09/18	PS	SW8260C	
Naphthalene	ND		5.2	1.0	ug/Kg	1	11/09/18	PS	SW8260C	
n-Butylbenzene	ND		5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C	
n-Propylbenzene	ND		5.2	1.0	ug/Kg	1	11/09/18	PS	SW8260C	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB1 (5-7`)

Phoenix I.D.: CB90221

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
o-Xylene	ND		5.2	1.0	ug/Kg	1	11/09/18	PS	SW8260C	
p-Isopropyltoluene	ND		5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C	
sec-Butylbenzene	ND		5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C	
Styrene	ND		5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C	
tert-Butylbenzene	ND		5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C	
Tetrachloroethene	2.7	J	5.2	1.0	ug/Kg	1	11/09/18	PS	SW8260C	
Tetrahydrofuran (THF)	ND		10	2.6	ug/Kg	1	11/09/18	PS	SW8260C	1
Toluene	ND		5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C	
trans-1,2-Dichloroethene	ND		5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C	
trans-1,3-Dichloropropene	ND		5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C	
trans-1,4-dichloro-2-butene	ND		10	2.6	ug/Kg	1	11/09/18	PS	SW8260C	
Trichloroethene	ND		5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C	
Trichlorofluoromethane	ND		5.2	1.0	ug/Kg	1	11/09/18	PS	SW8260C	
Trichlorotrifluoroethane	ND		5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C	
Vinyl chloride	ND		5.2	0.52	ug/Kg	1	11/09/18	PS	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	100				%	1	11/09/18	PS	70 - 130 %	
% Bromofluorobenzene	95				%	1	11/09/18	PS	70 - 130 %	
% Dibromofluoromethane	99				%	1	11/09/18	PS	70 - 130 %	
% Toluene-d8	95				%	1	11/09/18	PS	70 - 130 %	
1,4-dioxane										
1,4-dioxane	ND		78		ug/kg	1	11/09/18	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	100				%	1	11/09/18	JLI	70 - 130 %	
% Bromofluorobenzene	95				%	1	11/09/18	JLI	70 - 130 %	
% Toluene-d8	95				%	1	11/09/18	JLI	70 - 130 %	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		21		ug/Kg	1	11/09/18	JLI	SW8260C	
Acrolein	ND		5.2		ug/Kg	1	11/09/18	JLI	SW8260C	
Acrylonitrile	ND		21		ug/Kg	1	11/09/18	JLI	SW8260C	
Tert-butyl alcohol	ND		100		ug/Kg	1	11/09/18	JLI	SW8260C	
Semivolatiles										
1,2,4,5-Tetrachlorobenzene	ND		260	130	ug/Kg	1	11/08/18	WB	SW8270D	
1,2,4-Trichlorobenzene	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
1,2-Dichlorobenzene	ND		260	100	ug/Kg	1	11/08/18	WB	SW8270D	
1,2-Diphenylhydrazine	ND		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
1,3-Dichlorobenzene	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
1,4-Dichlorobenzene	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
2,4,5-Trichlorophenol	ND		260	200	ug/Kg	1	11/08/18	WB	SW8270D	
2,4,6-Trichlorophenol	ND		180	120	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dichlorophenol	ND		180	130	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dimethylphenol	ND		260	91	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dinitrophenol	ND		260	260	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dinitrotoluene	ND		180	150	ug/Kg	1	11/08/18	WB	SW8270D	
2,6-Dinitrotoluene	ND		180	120	ug/Kg	1	11/08/18	WB	SW8270D	
2-Chloronaphthalene	ND		260	100	ug/Kg	1	11/08/18	WB	SW8270D	
2-Chlorophenol	ND		260	100	ug/Kg	1	11/08/18	WB	SW8270D	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB1 (5-7`)

Phoenix I.D.: CB90221

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2-Methylnaphthalene	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
2-Methylphenol (o-cresol)	ND		260	170	ug/Kg	1	11/08/18	WB	SW8270D	
2-Nitroaniline	ND		260	260	ug/Kg	1	11/08/18	WB	SW8270D	
2-Nitrophenol	ND		260	230	ug/Kg	1	11/08/18	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		260	150	ug/Kg	1	11/08/18	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND		180	170	ug/Kg	1	11/08/18	WB	SW8270D	
3-Nitroaniline	ND		370	740	ug/Kg	1	11/08/18	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND		220	74	ug/Kg	1	11/08/18	WB	SW8270D	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	1	11/08/18	WB	SW8270D	
4-Chloroaniline	ND		290	170	ug/Kg	1	11/08/18	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
4-Nitroaniline	ND		370	120	ug/Kg	1	11/08/18	WB	SW8270D	
4-Nitrophenol	ND		370	170	ug/Kg	1	11/08/18	WB	SW8270D	
Acenaphthene	350		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Acenaphthylene	ND		260	100	ug/Kg	1	11/08/18	WB	SW8270D	
Acetophenone	ND		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Aniline	ND		290	290	ug/Kg	1	11/08/18	WB	SW8270D	
Anthracene	580		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benz(a)anthracene	1200		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzidine	ND		370	220	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(a)pyrene	1000		180	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(b)fluoranthene	950		260	130	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(ghi)perylene	610		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(k)fluoranthene	900		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzoic acid	ND		1800	740	ug/Kg	1	11/08/18	WB	SW8270D	
Benzyl butyl phthalate	ND		260	95	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-chloroethyl)ether	ND		180	100	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Carbazole	300		180	150	ug/Kg	1	11/08/18	WB	SW8270D	
Chrysene	1400		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Dibenz(a,h)anthracene	150	J	180	120	ug/Kg	1	11/08/18	WB	SW8270D	
Dibenzofuran	170	J	260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Diethyl phthalate	ND		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Dimethylphthalate	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Di-n-butylphthalate	ND		260	98	ug/Kg	1	11/08/18	WB	SW8270D	
Di-n-octylphthalate	ND		260	95	ug/Kg	1	11/08/18	WB	SW8270D	
Fluoranthene	2500		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Fluorene	310		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachlorobenzene	ND		180	110	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachlorobutadiene	ND		260	130	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachlorocyclopentadiene	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachloroethane	ND		180	110	ug/Kg	1	11/08/18	WB	SW8270D	
Indeno(1,2,3-cd)pyrene	660		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Isophorone	ND		180	100	ug/Kg	1	11/08/18	WB	SW8270D	
Naphthalene	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Nitrobenzene	ND		180	130	ug/Kg	1	11/08/18	WB	SW8270D	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB1 (5-7`)

Phoenix I.D.: CB90221

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
N-Nitrosodimethylamine	ND	260	100	ug/Kg	1	11/08/18	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND	180	120	ug/Kg	1	11/08/18	WB	SW8270D	
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	1	11/08/18	WB	SW8270D	
Pentachloronitrobenzene	ND	260	140	ug/Kg	1	11/08/18	WB	SW8270D	
Pentachlorophenol	ND	220	140	ug/Kg	1	11/08/18	WB	SW8270D	
Phenanthrene	3000	260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Phenol	ND	260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Pyrene	2200	260	130	ug/Kg	1	11/08/18	WB	SW8270D	
Pyridine	ND	260	91	ug/Kg	1	11/08/18	WB	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	75			%	1	11/08/18	WB	30 - 130 %	
% 2-Fluorobiphenyl	64			%	1	11/08/18	WB	30 - 130 %	
% 2-Fluorophenol	55			%	1	11/08/18	WB	30 - 130 %	
% Nitrobenzene-d5	56			%	1	11/08/18	WB	30 - 130 %	
% Phenol-d5	64			%	1	11/08/18	WB	30 - 130 %	
% Terphenyl-d14	51			%	1	11/08/18	WB	30 - 130 %	
Field Extraction	Completed					11/06/18		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (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 at RL/PQL
BRL=Below Reporting Level L=Biased Low 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.

L - Acetone is reported from a Phoenix prepared low level. A negative bias is possible.

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.
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Phyllis Shiller, Laboratory Director
November 15, 2018
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 15, 2018

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		11/06/18	
Location Code:	EBC	Received by:	CP	11/07/18	16:24
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCB90220
Phoenix ID: CB90222

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB2 (2-4`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.36	0.36		mg/Kg	1	11/09/18	EK	SW6010C
Aluminum	8530	36		mg/Kg	10	11/08/18	EK	SW6010C
Arsenic	4.39	0.72		mg/Kg	1	11/09/18	EK	SW6010C
Barium	158	0.7		mg/Kg	1	11/09/18	EK	SW6010C
Beryllium	0.38	0.29		mg/Kg	1	11/09/18	EK	SW6010C
Calcium	18500	36		mg/Kg	10	11/08/18	EK	SW6010C
Cadmium	0.91	0.36		mg/Kg	1	11/09/18	EK	SW6010C
Cobalt	6.44	0.36		mg/Kg	1	11/09/18	EK	SW6010C
Chromium	18.2	0.36		mg/Kg	1	11/09/18	EK	SW6010C
Copper	36.5	0.7		mg/kg	1	11/09/18	EK	SW6010C
Iron	14700	36		mg/Kg	10	11/08/18	EK	SW6010C
Mercury	0.25	0.08		mg/Kg	1	11/08/18	RS	SW7471B
Potassium	1210	7		mg/Kg	1	11/09/18	EK	SW6010C
Magnesium	5720	36		mg/Kg	10	11/08/18	EK	SW6010C
Manganese	356	3.6		mg/Kg	10	11/08/18	EK	SW6010C
Sodium	469	7		mg/Kg	1	11/09/18	EK	SW6010C
Nickel	14.3	0.36		mg/Kg	1	11/09/18	EK	SW6010C
Lead	189	7.2		mg/Kg	10	11/08/18	EK	SW6010C
Antimony	< 3.6	3.6		mg/Kg	1	11/09/18	EK	SW6010C
Selenium	< 1.4	1.4		mg/Kg	1	11/09/18	EK	SW6010C
Thallium	< 1.4	1.4		mg/Kg	1	11/09/18	EK	SW6010C
Vanadium	25.6	0.36		mg/Kg	1	11/09/18	EK	SW6010C
Zinc	192	7.2		mg/Kg	10	11/08/18	EK	SW6010C
Percent Solid	85			%		11/07/18	AK	SW846-%Solid
Soil Extraction for PCB	Completed					11/08/18	MJ/V	SW3545A
Soil Extraction for Pesticides	Completed					11/08/18	MJ/V	SW3545A
Soil Extraction for SVOA	Completed					11/07/18	JJ/CKV	SW3545A
Mercury Digestion	Completed					11/08/18	EV/Q	SW7471B

Ver 1

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB2 (2-4`)

Phoenix I.D.: CB90222

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed					11/07/18	CK/AG/BF	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	78	78	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1221	ND	78	78	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1232	ND	78	78	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1242	ND	78	78	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1248	ND	78	78	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1254	ND	78	78	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1260	ND	78	78	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1262	ND	78	78	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1268	ND	78	78	ug/Kg	2	11/09/18	AW	SW8082A
QA/QC Surrogates								
% DCBP	83			%	2	11/09/18	AW	30 - 150 %
% TCMX	76			%	2	11/09/18	AW	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.4		ug/Kg	2	11/09/18	PS	SW8081B
4,4' -DDE	ND	2.4		ug/Kg	2	11/09/18	PS	SW8081B
4,4' -DDT	9.8	2.4		ug/Kg	2	11/09/18	PS	SW8081B
a-BHC	ND	7.8		ug/Kg	2	11/09/18	PS	SW8081B
a-Chlordane	5.3	3.9		ug/Kg	2	11/09/18	PS	SW8081B
Aldrin	ND	3.9		ug/Kg	2	11/09/18	PS	SW8081B
b-BHC	ND	7.8		ug/Kg	2	11/09/18	PS	SW8081B
Chlordane	26	16		ug/Kg	2	11/09/18	PS	SW8081B
d-BHC	ND	7.8		ug/Kg	2	11/09/18	PS	SW8081B
Dieldrin	ND	3.9		ug/Kg	2	11/09/18	PS	SW8081B
Endosulfan I	ND	7.8		ug/Kg	2	11/09/18	PS	SW8081B
Endosulfan II	ND	7.8		ug/Kg	2	11/09/18	PS	SW8081B
Endosulfan sulfate	ND	7.8		ug/Kg	2	11/09/18	PS	SW8081B
Endrin	ND	7.8		ug/Kg	2	11/09/18	PS	SW8081B
Endrin aldehyde	ND	7.8		ug/Kg	2	11/09/18	PS	SW8081B
Endrin ketone	ND	7.8		ug/Kg	2	11/09/18	PS	SW8081B
g-BHC	ND	1.6		ug/Kg	2	11/09/18	PS	SW8081B
g-Chlordane	4.5	3.9		ug/Kg	2	11/09/18	PS	SW8081B
Heptachlor	ND	7.8		ug/Kg	2	11/09/18	PS	SW8081B
Heptachlor epoxide	ND	7.8		ug/Kg	2	11/09/18	PS	SW8081B
Methoxychlor	ND	39		ug/Kg	2	11/09/18	PS	SW8081B
Toxaphene	ND	160		ug/Kg	2	11/09/18	PS	SW8081B
QA/QC Surrogates								
% DCBP	31			%	2	11/09/18	PS	30 - 150 %
% TCMX	49			%	2	11/09/18	PS	30 - 150 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.4	1.1	ug/Kg	1	11/09/18	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.4	1.1	ug/Kg	1	11/09/18	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.4	1.1	ug/Kg	1	11/09/18	JLI	SW8260C
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	1	11/09/18	JLI	SW8260C
1,1-Dichloroethene	ND	5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB2 (2-4`)

Phoenix I.D.: CB90222

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		5.4	1.1	ug/Kg	1	11/09/18	JLI	SW8260C	
1,2,3-Trichloropropane	ND		5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		5.4	1.1	ug/Kg	1	11/09/18	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND		5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		5.4	1.1	ug/Kg	1	11/09/18	JLI	SW8260C	
1,2-Dibromoethane	ND		5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C	
1,2-Dichlorobenzene	ND		5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C	
1,2-Dichloroethane	ND		5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C	
1,2-Dichloropropane	ND		5.4	1.1	ug/Kg	1	11/09/18	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND		5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C	
1,3-Dichlorobenzene	ND		5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C	
1,3-Dichloropropane	ND		5.4	1.1	ug/Kg	1	11/09/18	JLI	SW8260C	
1,4-Dichlorobenzene	ND		5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C	
2,2-Dichloropropane	ND		5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C	
2-Chlorotoluene	ND		5.4	1.1	ug/Kg	1	11/09/18	JLI	SW8260C	
2-Hexanone	ND		27	5.4	ug/Kg	1	11/09/18	JLI	SW8260C	
2-Isopropyltoluene	ND		5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C	1
4-Chlorotoluene	ND		5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C	
4-Methyl-2-pentanone	ND		27	5.4	ug/Kg	1	11/09/18	JLI	SW8260C	
Acetone	37	S	27	5.4	ug/Kg	1	11/09/18	JLI	SW8260C	
Acrylonitrile	ND		11	1.1	ug/Kg	1	11/09/18	JLI	SW8260C	
Benzene	ND		5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C	
Bromobenzene	ND		5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C	
Bromochloromethane	ND		5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C	
Bromodichloromethane	ND		5.4	1.1	ug/Kg	1	11/09/18	JLI	SW8260C	
Bromoform	ND		5.4	1.1	ug/Kg	1	11/09/18	JLI	SW8260C	
Bromomethane	ND		5.4	2.2	ug/Kg	1	11/09/18	JLI	SW8260C	
Carbon Disulfide	ND		5.4	1.1	ug/Kg	1	11/09/18	JLI	SW8260C	
Carbon tetrachloride	ND		5.4	1.1	ug/Kg	1	11/09/18	JLI	SW8260C	
Chlorobenzene	ND		5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C	
Chloroethane	ND		5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C	
Chloroform	ND		5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C	
Chloromethane	ND		5.4	1.1	ug/Kg	1	11/09/18	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C	
Dibromochloromethane	ND		5.4	1.1	ug/Kg	1	11/09/18	JLI	SW8260C	
Dibromomethane	ND		5.4	1.1	ug/Kg	1	11/09/18	JLI	SW8260C	
Dichlorodifluoromethane	ND		5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C	
Ethylbenzene	ND		5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C	
Hexachlorobutadiene	ND		5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C	
Isopropylbenzene	ND		5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C	
m&p-Xylene	ND		5.4	1.1	ug/Kg	1	11/09/18	JLI	SW8260C	
Methyl Ethyl Ketone	ND		32	5.4	ug/Kg	1	11/09/18	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		11	1.1	ug/Kg	1	11/09/18	JLI	SW8260C	
Methylene chloride	ND		5.4	5.4	ug/Kg	1	11/09/18	JLI	SW8260C	
Naphthalene	ND		5.4	1.1	ug/Kg	1	11/09/18	JLI	SW8260C	
n-Butylbenzene	ND		5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C	
n-Propylbenzene	ND		5.4	1.1	ug/Kg	1	11/09/18	JLI	SW8260C	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB2 (2-4`)

Phoenix I.D.: CB90222

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
o-Xylene	ND	5.4	1.1	ug/Kg	1	11/09/18	JLI	SW8260C	
p-Isopropyltoluene	ND	5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C	
sec-Butylbenzene	ND	5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C	
Styrene	ND	5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C	
tert-Butylbenzene	ND	5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C	
Tetrachloroethene	200	140	72	ug/Kg	50	11/10/18	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	11	2.7	ug/Kg	1	11/09/18	JLI	SW8260C	1
Toluene	ND	5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	11	2.7	ug/Kg	1	11/09/18	JLI	SW8260C	
Trichloroethene	ND	5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C	
Trichlorofluoromethane	ND	5.4	1.1	ug/Kg	1	11/09/18	JLI	SW8260C	
Trichlorotrifluoroethane	ND	5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C	
Vinyl chloride	ND	5.4	0.54	ug/Kg	1	11/09/18	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100			%	1	11/09/18	JLI	70 - 130 %	
% Bromofluorobenzene	94			%	1	11/09/18	JLI	70 - 130 %	
% Dibromofluoromethane	100			%	1	11/09/18	JLI	70 - 130 %	
% Toluene-d8	95			%	1	11/09/18	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	81		ug/kg	1	11/09/18	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100			%	1	11/09/18	JLI	70 - 130 %	
% Bromofluorobenzene	94			%	1	11/09/18	JLI	70 - 130 %	
% Toluene-d8	95			%	1	11/09/18	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	22		ug/Kg	1	11/09/18	JLI	SW8260C	
Acrolein	ND	5.4		ug/Kg	1	11/09/18	JLI	SW8260C	
Acrylonitrile	ND	22		ug/Kg	1	11/09/18	JLI	SW8260C	
Tert-butyl alcohol	ND	110		ug/Kg	1	11/09/18	JLI	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	270	140	ug/Kg	1	11/08/18	WB	SW8270D	
1,2,4-Trichlorobenzene	ND	270	120	ug/Kg	1	11/08/18	WB	SW8270D	
1,2-Dichlorobenzene	ND	270	110	ug/Kg	1	11/08/18	WB	SW8270D	
1,2-Diphenylhydrazine	ND	270	130	ug/Kg	1	11/08/18	WB	SW8270D	
1,3-Dichlorobenzene	ND	270	120	ug/Kg	1	11/08/18	WB	SW8270D	
1,4-Dichlorobenzene	ND	270	120	ug/Kg	1	11/08/18	WB	SW8270D	
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	1	11/08/18	WB	SW8270D	
2,4,6-Trichlorophenol	ND	190	120	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dichlorophenol	ND	190	140	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dimethylphenol	ND	270	96	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dinitrophenol	ND	270	270	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dinitrotoluene	ND	190	150	ug/Kg	1	11/08/18	WB	SW8270D	
2,6-Dinitrotoluene	ND	190	120	ug/Kg	1	11/08/18	WB	SW8270D	
2-Chloronaphthalene	ND	270	110	ug/Kg	1	11/08/18	WB	SW8270D	
2-Chlorophenol	ND	270	110	ug/Kg	1	11/08/18	WB	SW8270D	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB2 (2-4`)

Phoenix I.D.: CB90222

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2-Methylnaphthalene	ND		270	120	ug/Kg	1	11/08/18	WB	SW8270D	
2-Methylphenol (o-cresol)	ND		270	180	ug/Kg	1	11/08/18	WB	SW8270D	
2-Nitroaniline	ND		270	270	ug/Kg	1	11/08/18	WB	SW8270D	
2-Nitrophenol	ND		270	250	ug/Kg	1	11/08/18	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		270	150	ug/Kg	1	11/08/18	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND		190	180	ug/Kg	1	11/08/18	WB	SW8270D	
3-Nitroaniline	ND		390	780	ug/Kg	1	11/08/18	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND		230	78	ug/Kg	1	11/08/18	WB	SW8270D	
4-Bromophenyl phenyl ether	ND		270	110	ug/Kg	1	11/08/18	WB	SW8270D	
4-Chloro-3-methylphenol	ND		270	140	ug/Kg	1	11/08/18	WB	SW8270D	
4-Chloroaniline	ND		310	180	ug/Kg	1	11/08/18	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND		270	130	ug/Kg	1	11/08/18	WB	SW8270D	
4-Nitroaniline	ND		390	130	ug/Kg	1	11/08/18	WB	SW8270D	
4-Nitrophenol	ND		390	180	ug/Kg	1	11/08/18	WB	SW8270D	
Acenaphthene	240	J	270	120	ug/Kg	1	11/08/18	WB	SW8270D	
Acenaphthylene	ND		270	110	ug/Kg	1	11/08/18	WB	SW8270D	
Acetophenone	ND		270	120	ug/Kg	1	11/08/18	WB	SW8270D	
Aniline	ND		310	310	ug/Kg	1	11/08/18	WB	SW8270D	
Anthracene	400		270	130	ug/Kg	1	11/08/18	WB	SW8270D	
Benz(a)anthracene	830		270	130	ug/Kg	1	11/08/18	WB	SW8270D	
Benzidine	ND		390	230	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(a)pyrene	730		190	130	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(b)fluoranthene	620		270	130	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(ghi)perylene	410		270	130	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(k)fluoranthene	640		270	130	ug/Kg	1	11/08/18	WB	SW8270D	
Benzoic acid	ND		1900	780	ug/Kg	1	11/08/18	WB	SW8270D	
Benzyl butyl phthalate	500		270	100	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND		270	110	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-chloroethyl)ether	ND		190	110	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND		270	110	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	860		270	110	ug/Kg	1	11/08/18	WB	SW8270D	
Carbazole	250		190	160	ug/Kg	1	11/08/18	WB	SW8270D	
Chrysene	860		270	130	ug/Kg	1	11/08/18	WB	SW8270D	
Dibenz(a,h)anthracene	ND		190	130	ug/Kg	1	11/08/18	WB	SW8270D	
Dibenzofuran	160	J	270	110	ug/Kg	1	11/08/18	WB	SW8270D	
Diethyl phthalate	ND		270	120	ug/Kg	1	11/08/18	WB	SW8270D	
Dimethylphthalate	ND		270	120	ug/Kg	1	11/08/18	WB	SW8270D	
Di-n-butylphthalate	ND		270	100	ug/Kg	1	11/08/18	WB	SW8270D	
Di-n-octylphthalate	ND		270	100	ug/Kg	1	11/08/18	WB	SW8270D	
Fluoranthene	1800		270	130	ug/Kg	1	11/08/18	WB	SW8270D	
Fluorene	240	J	270	130	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachlorobenzene	ND		190	110	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachlorobutadiene	ND		270	140	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachlorocyclopentadiene	ND		270	120	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachloroethane	ND		190	120	ug/Kg	1	11/08/18	WB	SW8270D	
Indeno(1,2,3-cd)pyrene	470		270	130	ug/Kg	1	11/08/18	WB	SW8270D	
Isophorone	ND		190	110	ug/Kg	1	11/08/18	WB	SW8270D	
Naphthalene	ND		270	110	ug/Kg	1	11/08/18	WB	SW8270D	
Nitrobenzene	ND		190	140	ug/Kg	1	11/08/18	WB	SW8270D	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB2 (2-4`)

Phoenix I.D.: CB90222

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
N-Nitrosodimethylamine	ND	270	110	ug/Kg	1	11/08/18	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND	190	130	ug/Kg	1	11/08/18	WB	SW8270D	
N-Nitrosodiphenylamine	ND	270	150	ug/Kg	1	11/08/18	WB	SW8270D	
Pentachloronitrobenzene	ND	270	140	ug/Kg	1	11/08/18	WB	SW8270D	
Pentachlorophenol	ND	230	150	ug/Kg	1	11/08/18	WB	SW8270D	
Phenanthrene	2100	270	110	ug/Kg	1	11/08/18	WB	SW8270D	
Phenol	ND	270	120	ug/Kg	1	11/08/18	WB	SW8270D	
Pyrene	1500	270	130	ug/Kg	1	11/08/18	WB	SW8270D	
Pyridine	ND	270	96	ug/Kg	1	11/08/18	WB	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	63			%	1	11/08/18	WB	30 - 130 %	
% 2-Fluorobiphenyl	57			%	1	11/08/18	WB	30 - 130 %	
% 2-Fluorophenol	40			%	1	11/08/18	WB	30 - 130 %	
% Nitrobenzene-d5	51			%	1	11/08/18	WB	30 - 130 %	
% Phenol-d5	50			%	1	11/08/18	WB	30 - 130 %	
% Terphenyl-d14	46			%	1	11/08/18	WB	30 - 130 %	
Field Extraction	Completed					11/06/18		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (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 at RL/PQL
BRL=Below Reporting Level L=Biased Low 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.

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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
November 15, 2018
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 15, 2018

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		11/06/18	
Location Code:	EBC	Received by:	CP	11/07/18	16:24
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCB90220
Phoenix ID: CB90223

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB2 (5-7`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.36	0.36		mg/Kg	1	11/09/18	EK	SW6010C
Aluminum	5620	36		mg/Kg	10	11/08/18	EK	SW6010C
Arsenic	3.52	0.72		mg/Kg	1	11/09/18	EK	SW6010C
Barium	174	0.7		mg/Kg	1	11/09/18	EK	SW6010C
Beryllium	0.30	0.29		mg/Kg	1	11/09/18	EK	SW6010C
Calcium	9300	3.6		mg/Kg	1	11/09/18	EK	SW6010C
Cadmium	1.11	0.36		mg/Kg	1	11/09/18	EK	SW6010C
Cobalt	4.93	0.36		mg/Kg	1	11/09/18	EK	SW6010C
Chromium	20.1	0.36		mg/Kg	1	11/09/18	EK	SW6010C
Copper	40.5	0.7		mg/kg	1	11/09/18	EK	SW6010C
Iron	27600	36		mg/Kg	10	11/08/18	EK	SW6010C
Mercury	0.25	0.08		mg/Kg	1	11/08/18	RS	SW7471B
Potassium	1060	7		mg/Kg	1	11/09/18	EK	SW6010C
Magnesium	2620	3.6		mg/Kg	1	11/09/18	EK	SW6010C
Manganese	233	3.6		mg/Kg	10	11/08/18	EK	SW6010C
Sodium	329	7		mg/Kg	1	11/09/18	EK	SW6010C
Nickel	12.7	0.36		mg/Kg	1	11/09/18	EK	SW6010C
Lead	205	7.2		mg/Kg	10	11/08/18	EK	SW6010C
Antimony	< 7.8	7.8		mg/Kg	1	11/09/18	EK	SW6010C
Selenium	< 1.4	1.4		mg/Kg	1	11/09/18	EK	SW6010C
Thallium	< 1.4	1.4		mg/Kg	1	11/09/18	EK	SW6010C
Vanadium	25.1	0.36		mg/Kg	1	11/09/18	EK	SW6010C
Zinc	211	7.2		mg/Kg	10	11/08/18	EK	SW6010C
Percent Solid	86			%		11/07/18	AK	SW846-%Solid
Soil Extraction for PCB	Completed					11/08/18	MJ/V	SW3545A
Soil Extraction for Pesticides	Completed					11/08/18	MJ/V	SW3545A
Soil Extraction for SVOA	Completed					11/07/18	JJ/CKV	SW3545A
Mercury Digestion	Completed					11/08/18	EV/Q	SW7471B

Ver 1

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB2 (5-7`)

Phoenix I.D.: CB90223

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed					11/07/18	CK/AG/BF	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	76	76	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1221	ND	76	76	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1232	ND	76	76	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1242	ND	76	76	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1248	ND	76	76	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1254	ND	76	76	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1260	ND	76	76	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1262	ND	76	76	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1268	ND	76	76	ug/Kg	2	11/09/18	AW	SW8082A
QA/QC Surrogates								
% DCBP	104			%	2	11/09/18	AW	30 - 150 %
% TCMX	96			%	2	11/09/18	AW	30 - 150 %
Pesticides - Soil								
4,4' -DDD	12	2.3		ug/Kg	2	11/09/18	PS	SW8081B
4,4' -DDE	21	2.3		ug/Kg	2	11/09/18	PS	SW8081B
4,4' -DDT	77	2.3		ug/Kg	2	11/09/18	PS	SW8081B
a-BHC	ND	7.6		ug/Kg	2	11/09/18	PS	SW8081B
a-Chlordane	9.4	3.8		ug/Kg	2	11/09/18	PS	SW8081B
Aldrin	ND	3.8		ug/Kg	2	11/09/18	PS	SW8081B
b-BHC	ND	7.6		ug/Kg	2	11/09/18	PS	SW8081B
Chlordane	39	23		ug/Kg	2	11/09/18	PS	SW8081B
d-BHC	ND	7.6		ug/Kg	2	11/09/18	PS	SW8081B
Dieldrin	8.5	3.8		ug/Kg	2	11/09/18	PS	SW8081B
Endosulfan I	ND	7.6		ug/Kg	2	11/09/18	PS	SW8081B
Endosulfan II	ND	7.6		ug/Kg	2	11/09/18	PS	SW8081B
Endosulfan sulfate	ND	7.6		ug/Kg	2	11/09/18	PS	SW8081B
Endrin	ND	7.6		ug/Kg	2	11/09/18	PS	SW8081B
Endrin aldehyde	ND	7.6		ug/Kg	2	11/09/18	PS	SW8081B
Endrin ketone	ND	7.6		ug/Kg	2	11/09/18	PS	SW8081B
g-BHC	ND	1.5		ug/Kg	2	11/09/18	PS	SW8081B
g-Chlordane	5.5	3.8		ug/Kg	2	11/09/18	PS	SW8081B
Heptachlor	ND	7.6		ug/Kg	2	11/09/18	PS	SW8081B
Heptachlor epoxide	ND	7.6		ug/Kg	2	11/09/18	PS	SW8081B
Methoxychlor	ND	38		ug/Kg	2	11/09/18	PS	SW8081B
Toxaphene	ND	150		ug/Kg	2	11/09/18	PS	SW8081B
QA/QC Surrogates								
% DCBP	86			%	2	11/09/18	PS	30 - 150 %
% TCMX	76			%	2	11/09/18	PS	30 - 150 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	7.0	1.4	ug/Kg	1	11/10/18	PS	SW8260C
1,1,1-Trichloroethane	ND	7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C
1,1,2,2-Tetrachloroethane	ND	7.0	1.4	ug/Kg	1	11/10/18	PS	SW8260C
1,1,2-Trichloroethane	ND	7.0	1.4	ug/Kg	1	11/10/18	PS	SW8260C
1,1-Dichloroethane	ND	7.0	1.4	ug/Kg	1	11/10/18	PS	SW8260C
1,1-Dichloroethene	ND	7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB2 (5-7`)

Phoenix I.D.: CB90223

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloropropene	ND		7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C	
1,2,3-Trichlorobenzene	ND		7.0	1.4	ug/Kg	1	11/10/18	PS	SW8260C	
1,2,3-Trichloropropane	ND		7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C	
1,2,4-Trichlorobenzene	ND		7.0	1.4	ug/Kg	1	11/10/18	PS	SW8260C	
1,2,4-Trimethylbenzene	ND		7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C	
1,2-Dibromo-3-chloropropane	ND		7.0	1.4	ug/Kg	1	11/10/18	PS	SW8260C	
1,2-Dibromoethane	ND		7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C	
1,2-Dichlorobenzene	ND		7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C	
1,2-Dichloroethane	ND		7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C	
1,2-Dichloropropane	ND		7.0	1.4	ug/Kg	1	11/10/18	PS	SW8260C	
1,3,5-Trimethylbenzene	ND		7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C	
1,3-Dichlorobenzene	ND		7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C	
1,3-Dichloropropane	ND		7.0	1.4	ug/Kg	1	11/10/18	PS	SW8260C	
1,4-Dichlorobenzene	ND		7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C	
2,2-Dichloropropane	ND		7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C	
2-Chlorotoluene	ND		7.0	1.4	ug/Kg	1	11/10/18	PS	SW8260C	
2-Hexanone	ND		35	7.0	ug/Kg	1	11/10/18	PS	SW8260C	
2-Isopropyltoluene	ND		7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C	1
4-Chlorotoluene	ND		7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C	
4-Methyl-2-pentanone	ND		35	7.0	ug/Kg	1	11/10/18	PS	SW8260C	
Acetone	ND	L	29	5.9	ug/Kg	1	11/14/18	PS	SW8260C	
Acrylonitrile	ND		14	1.4	ug/Kg	1	11/10/18	PS	SW8260C	
Benzene	0.89	J	7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C	
Bromobenzene	ND		7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C	
Bromochloromethane	ND		7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C	
Bromodichloromethane	ND		7.0	1.4	ug/Kg	1	11/10/18	PS	SW8260C	
Bromoform	ND		7.0	1.4	ug/Kg	1	11/10/18	PS	SW8260C	
Bromomethane	ND		7.0	2.8	ug/Kg	1	11/10/18	PS	SW8260C	
Carbon Disulfide	ND		7.0	1.4	ug/Kg	1	11/10/18	PS	SW8260C	
Carbon tetrachloride	ND		7.0	1.4	ug/Kg	1	11/10/18	PS	SW8260C	
Chlorobenzene	ND		7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C	
Chloroethane	ND		7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C	
Chloroform	ND		7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C	
Chloromethane	ND		7.0	1.4	ug/Kg	1	11/10/18	PS	SW8260C	
cis-1,2-Dichloroethene	ND		7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C	
cis-1,3-Dichloropropene	ND		7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C	
Dibromochloromethane	ND		7.0	1.4	ug/Kg	1	11/10/18	PS	SW8260C	
Dibromomethane	ND		7.0	1.4	ug/Kg	1	11/10/18	PS	SW8260C	
Dichlorodifluoromethane	ND		7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C	
Ethylbenzene	ND		7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C	
Hexachlorobutadiene	ND		7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C	
Isopropylbenzene	ND		7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C	
m&p-Xylene	ND		7.0	1.4	ug/Kg	1	11/10/18	PS	SW8260C	
Methyl Ethyl Ketone	ND		42	7.0	ug/Kg	1	11/10/18	PS	SW8260C	
Methyl t-butyl ether (MTBE)	ND		14	1.4	ug/Kg	1	11/10/18	PS	SW8260C	
Methylene chloride	ND		7.0	7.0	ug/Kg	1	11/10/18	PS	SW8260C	
Naphthalene	ND		7.0	1.4	ug/Kg	1	11/10/18	PS	SW8260C	
n-Butylbenzene	ND		7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C	
n-Propylbenzene	ND		7.0	1.4	ug/Kg	1	11/10/18	PS	SW8260C	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB2 (5-7`)

Phoenix I.D.: CB90223

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
o-Xylene	ND	7.0	1.4	ug/Kg	1	11/10/18	PS	SW8260C	
p-Isopropyltoluene	ND	7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C	
sec-Butylbenzene	ND	7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C	
Styrene	ND	7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C	
tert-Butylbenzene	ND	7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C	
Tetrachloroethene	7.9	7.0	1.4	ug/Kg	1	11/10/18	PS	SW8260C	
Tetrahydrofuran (THF)	ND	14	3.5	ug/Kg	1	11/10/18	PS	SW8260C	1
Toluene	ND	7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C	
trans-1,2-Dichloroethene	ND	7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C	
trans-1,3-Dichloropropene	ND	7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C	
trans-1,4-dichloro-2-butene	ND	14	3.5	ug/Kg	1	11/10/18	PS	SW8260C	
Trichloroethene	ND	7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C	
Trichlorofluoromethane	ND	7.0	1.4	ug/Kg	1	11/10/18	PS	SW8260C	
Trichlorotrifluoroethane	ND	7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C	
Vinyl chloride	ND	7.0	0.70	ug/Kg	1	11/10/18	PS	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	98			%	1	11/10/18	PS	70 - 130 %	
% Bromofluorobenzene	86			%	1	11/10/18	PS	70 - 130 %	
% Dibromofluoromethane	103			%	1	11/10/18	PS	70 - 130 %	
% Toluene-d8	92			%	1	11/10/18	PS	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	100		ug/kg	1	11/10/18	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	98			%	1	11/10/18	JLI	70 - 130 %	
% Bromofluorobenzene	86			%	1	11/10/18	JLI	70 - 130 %	
% Toluene-d8	92			%	1	11/10/18	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	28		ug/Kg	1	11/10/18	JLI	SW8260C	
Acrolein	ND	7.0		ug/Kg	1	11/10/18	JLI	SW8260C	
Acrylonitrile	ND	28		ug/Kg	1	11/10/18	JLI	SW8260C	
Tert-butyl alcohol	ND	140		ug/Kg	1	11/10/18	JLI	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	11/08/18	WB	SW8270D	
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	1	11/08/18	WB	SW8270D	
1,2-Dichlorobenzene	ND	260	110	ug/Kg	1	11/08/18	WB	SW8270D	
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	1	11/08/18	WB	SW8270D	
1,3-Dichlorobenzene	ND	260	110	ug/Kg	1	11/08/18	WB	SW8270D	
1,4-Dichlorobenzene	ND	260	110	ug/Kg	1	11/08/18	WB	SW8270D	
2,4,5-Trichlorophenol	ND	260	210	ug/Kg	1	11/08/18	WB	SW8270D	
2,4,6-Trichlorophenol	ND	190	120	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dichlorophenol	ND	190	130	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dimethylphenol	ND	260	94	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dinitrotoluene	ND	190	150	ug/Kg	1	11/08/18	WB	SW8270D	
2,6-Dinitrotoluene	ND	190	120	ug/Kg	1	11/08/18	WB	SW8270D	
2-Chloronaphthalene	ND	260	110	ug/Kg	1	11/08/18	WB	SW8270D	
2-Chlorophenol	ND	260	110	ug/Kg	1	11/08/18	WB	SW8270D	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB2 (5-7`)

Phoenix I.D.: CB90223

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2-Methylnaphthalene	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
2-Methylphenol (o-cresol)	ND		260	180	ug/Kg	1	11/08/18	WB	SW8270D	
2-Nitroaniline	ND		260	260	ug/Kg	1	11/08/18	WB	SW8270D	
2-Nitrophenol	ND		260	240	ug/Kg	1	11/08/18	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		260	150	ug/Kg	1	11/08/18	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND		190	180	ug/Kg	1	11/08/18	WB	SW8270D	
3-Nitroaniline	ND		380	760	ug/Kg	1	11/08/18	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND		230	76	ug/Kg	1	11/08/18	WB	SW8270D	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	1	11/08/18	WB	SW8270D	
4-Chloroaniline	ND		300	180	ug/Kg	1	11/08/18	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND		260	130	ug/Kg	1	11/08/18	WB	SW8270D	
4-Nitroaniline	ND		380	130	ug/Kg	1	11/08/18	WB	SW8270D	
4-Nitrophenol	ND		380	170	ug/Kg	1	11/08/18	WB	SW8270D	
Acenaphthene	120	J	260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Acenaphthylene	170	J	260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Acetophenone	ND		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Aniline	ND		300	300	ug/Kg	1	11/08/18	WB	SW8270D	
Anthracene	380		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benz(a)anthracene	1400		260	130	ug/Kg	1	11/08/18	WB	SW8270D	
Benzidine	ND		380	220	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(a)pyrene	1400		190	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(b)fluoranthene	1400		260	130	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(ghi)perylene	870		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(k)fluoranthene	1300		260	130	ug/Kg	1	11/08/18	WB	SW8270D	
Benzoic acid	ND		1900	760	ug/Kg	1	11/08/18	WB	SW8270D	
Benzyl butyl phthalate	240	J	260	98	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-chloroethyl)ether	ND		190	100	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	340		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Carbazole	230		190	150	ug/Kg	1	11/08/18	WB	SW8270D	
Chrysene	1700		260	130	ug/Kg	1	11/08/18	WB	SW8270D	
Dibenz(a,h)anthracene	260		190	120	ug/Kg	1	11/08/18	WB	SW8270D	
Dibenzofuran	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Diethyl phthalate	ND		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Dimethylphthalate	ND		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Di-n-butylphthalate	ND		260	100	ug/Kg	1	11/08/18	WB	SW8270D	
Di-n-octylphthalate	ND		260	98	ug/Kg	1	11/08/18	WB	SW8270D	
Fluoranthene	2500		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Fluorene	ND		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachlorobenzene	ND		190	110	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachlorobutadiene	ND		260	140	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachlorocyclopentadiene	ND		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachloroethane	ND		190	110	ug/Kg	1	11/08/18	WB	SW8270D	
Indeno(1,2,3-cd)pyrene	960		260	130	ug/Kg	1	11/08/18	WB	SW8270D	
Isophorone	ND		190	110	ug/Kg	1	11/08/18	WB	SW8270D	
Naphthalene	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Nitrobenzene	ND		190	130	ug/Kg	1	11/08/18	WB	SW8270D	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB2 (5-7`)

Phoenix I.D.: CB90223

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
N-Nitrosodimethylamine	ND	260	110	ug/Kg	1	11/08/18	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND	190	120	ug/Kg	1	11/08/18	WB	SW8270D	
N-Nitrosodiphenylamine	ND	260	150	ug/Kg	1	11/08/18	WB	SW8270D	
Pentachloronitrobenzene	ND	260	140	ug/Kg	1	11/08/18	WB	SW8270D	
Pentachlorophenol	ND	230	140	ug/Kg	1	11/08/18	WB	SW8270D	
Phenanthrene	1600	260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Phenol	ND	260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Pyrene	2300	260	130	ug/Kg	1	11/08/18	WB	SW8270D	
Pyridine	ND	260	93	ug/Kg	1	11/08/18	WB	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	60			%	1	11/08/18	WB	30 - 130 %	
% 2-Fluorobiphenyl	49			%	1	11/08/18	WB	30 - 130 %	
% 2-Fluorophenol	52			%	1	11/08/18	WB	30 - 130 %	
% Nitrobenzene-d5	60			%	1	11/08/18	WB	30 - 130 %	
% Phenol-d5	68			%	1	11/08/18	WB	30 - 130 %	
% Terphenyl-d14	40			%	1	11/08/18	WB	30 - 130 %	
Field Extraction	Completed					11/06/18		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (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 at RL/PQL
BRL=Below Reporting Level L=Biased Low 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.

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.

L - Acetone is reported from a Phoenix prepared low level. A negative bias is possible.

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.
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Phyllis Shiller, Laboratory Director
November 15, 2018
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 15, 2018

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		11/06/18	
Location Code:	EBC	Received by:	CP	11/07/18	16:24
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCB90220
Phoenix ID: CB90224

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB3 (2-4`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.36	0.36		mg/Kg	1	11/09/18	EK	SW6010C
Aluminum	8250	36		mg/Kg	10	11/08/18	EK	SW6010C
Arsenic	4.72	0.72		mg/Kg	1	11/09/18	EK	SW6010C
Barium	142	0.7		mg/Kg	1	11/09/18	EK	SW6010C
Beryllium	0.35	0.29		mg/Kg	1	11/09/18	EK	SW6010C
Calcium	50300	36		mg/Kg	10	11/08/18	EK	SW6010C
Cadmium	0.44	0.36		mg/Kg	1	11/09/18	EK	SW6010C
Cobalt	6.71	0.36		mg/Kg	1	11/09/18	EK	SW6010C
Chromium	17.2	0.36		mg/Kg	1	11/09/18	EK	SW6010C
Copper	37.0	0.7		mg/kg	1	11/09/18	EK	SW6010C
Iron	21800	36		mg/Kg	10	11/08/18	EK	SW6010C
Mercury	0.16	0.03		mg/Kg	1	11/08/18	RS	SW7471B
Potassium	1250	7		mg/Kg	1	11/09/18	EK	SW6010C
Magnesium	5200	36		mg/Kg	10	11/08/18	EK	SW6010C
Manganese	273	3.6		mg/Kg	10	11/08/18	EK	SW6010C
Sodium	540	7		mg/Kg	1	11/09/18	EK	SW6010C
Nickel	13.8	0.36		mg/Kg	1	11/09/18	EK	SW6010C
Lead	114	0.7		mg/Kg	1	11/09/18	EK	SW6010C
Antimony	< 3.6	3.6		mg/Kg	1	11/09/18	EK	SW6010C
Selenium	< 1.4	1.4		mg/Kg	1	11/09/18	EK	SW6010C
Thallium	< 1.4	1.4		mg/Kg	1	11/09/18	EK	SW6010C
Vanadium	34.4	0.36		mg/Kg	1	11/09/18	EK	SW6010C
Zinc	698	7.2		mg/Kg	10	11/08/18	EK	SW6010C
Percent Solid	91			%		11/07/18	AK	SW846-%Solid
Soil Extraction for PCB	Completed					11/08/18	MJ/V	SW3545A
Soil Extraction for Pesticides	Completed					11/08/18	MJ/V	SW3545A
Soil Extraction for SVOA	Completed					11/07/18	JJ/CKV	SW3545A
Mercury Digestion	Completed					11/08/18	EV/Q	SW7471B

Ver 1

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB3 (2-4`)

Phoenix I.D.: CB90224

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed					11/07/18	CK/AG/BF	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	73	73	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1221	ND	73	73	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1232	ND	73	73	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1242	ND	73	73	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1248	ND	73	73	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1254	ND	73	73	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1260	ND	73	73	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1262	ND	73	73	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1268	ND	73	73	ug/Kg	2	11/09/18	AW	SW8082A
QA/QC Surrogates								
% DCBP	83			%	2	11/09/18	AW	30 - 150 %
% TCMX	79			%	2	11/09/18	AW	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.2		ug/Kg	2	11/09/18	CW	SW8081B
4,4' -DDE	10	2.2		ug/Kg	2	11/09/18	CW	SW8081B
4,4' -DDT	39	2.2		ug/Kg	2	11/09/18	CW	SW8081B
a-BHC	ND	7.3		ug/Kg	2	11/09/18	CW	SW8081B
a-Chlordane	8.4	3.6		ug/Kg	2	11/09/18	CW	SW8081B
Aldrin	ND	3.6		ug/Kg	2	11/09/18	CW	SW8081B
b-BHC	ND	7.3		ug/Kg	2	11/09/18	CW	SW8081B
Chlordane	43	36		ug/Kg	2	11/09/18	CW	SW8081B
d-BHC	ND	7.3		ug/Kg	2	11/09/18	CW	SW8081B
Dieldrin	4.4	3.6		ug/Kg	2	11/09/18	CW	SW8081B
Endosulfan I	ND	7.3		ug/Kg	2	11/09/18	CW	SW8081B
Endosulfan II	ND	7.3		ug/Kg	2	11/09/18	CW	SW8081B
Endosulfan sulfate	ND	7.3		ug/Kg	2	11/09/18	CW	SW8081B
Endrin	ND	7.3		ug/Kg	2	11/09/18	CW	SW8081B
Endrin aldehyde	ND	7.3		ug/Kg	2	11/09/18	CW	SW8081B
Endrin ketone	ND	7.3		ug/Kg	2	11/09/18	CW	SW8081B
g-BHC	ND	1.5		ug/Kg	2	11/09/18	CW	SW8081B
g-Chlordane	7.0	3.6		ug/Kg	2	11/09/18	CW	SW8081B
Heptachlor	ND	7.3		ug/Kg	2	11/09/18	CW	SW8081B
Heptachlor epoxide	ND	7.3		ug/Kg	2	11/09/18	CW	SW8081B
Methoxychlor	ND	36		ug/Kg	2	11/09/18	CW	SW8081B
Toxaphene	ND	150		ug/Kg	2	11/09/18	CW	SW8081B
QA/QC Surrogates								
% DCBP	83			%	2	11/09/18	CW	30 - 150 %
% TCMX	65			%	2	11/09/18	CW	30 - 150 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.9	1.2	ug/Kg	1	11/10/18	PS	SW8260C
1,1,1-Trichloroethane	ND	5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.9	1.2	ug/Kg	1	11/10/18	PS	SW8260C
1,1,2-Trichloroethane	ND	5.9	1.2	ug/Kg	1	11/10/18	PS	SW8260C
1,1-Dichloroethane	ND	5.9	1.2	ug/Kg	1	11/10/18	PS	SW8260C
1,1-Dichloroethene	ND	5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB3 (2-4`)

Phoenix I.D.: CB90224

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C	
1,2,3-Trichlorobenzene	ND		5.9	1.2	ug/Kg	1	11/10/18	PS	SW8260C	
1,2,3-Trichloropropane	ND		5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C	
1,2,4-Trichlorobenzene	ND		5.9	1.2	ug/Kg	1	11/10/18	PS	SW8260C	
1,2,4-Trimethylbenzene	ND		5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C	
1,2-Dibromo-3-chloropropane	ND		5.9	1.2	ug/Kg	1	11/10/18	PS	SW8260C	
1,2-Dibromoethane	ND		5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C	
1,2-Dichlorobenzene	ND		5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C	
1,2-Dichloroethane	ND		5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C	
1,2-Dichloropropane	ND		5.9	1.2	ug/Kg	1	11/10/18	PS	SW8260C	
1,3,5-Trimethylbenzene	ND		5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C	
1,3-Dichlorobenzene	ND		5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C	
1,3-Dichloropropane	ND		5.9	1.2	ug/Kg	1	11/10/18	PS	SW8260C	
1,4-Dichlorobenzene	ND		5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C	
2,2-Dichloropropane	ND		5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C	
2-Chlorotoluene	ND		5.9	1.2	ug/Kg	1	11/10/18	PS	SW8260C	
2-Hexanone	ND		30	5.9	ug/Kg	1	11/10/18	PS	SW8260C	
2-Isopropyltoluene	ND		5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C	1
4-Chlorotoluene	ND		5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C	
4-Methyl-2-pentanone	ND		30	5.9	ug/Kg	1	11/10/18	PS	SW8260C	
Acetone	35	SL	27	5.5	ug/Kg	1	11/13/18	PS	SW8260C	
Acrylonitrile	ND		12	1.2	ug/Kg	1	11/10/18	PS	SW8260C	
Benzene	ND		5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C	
Bromobenzene	ND		5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C	
Bromochloromethane	ND		5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C	
Bromodichloromethane	ND		5.9	1.2	ug/Kg	1	11/10/18	PS	SW8260C	
Bromoform	ND		5.9	1.2	ug/Kg	1	11/10/18	PS	SW8260C	
Bromomethane	ND		5.9	2.4	ug/Kg	1	11/10/18	PS	SW8260C	
Carbon Disulfide	ND		5.9	1.2	ug/Kg	1	11/10/18	PS	SW8260C	
Carbon tetrachloride	ND		5.9	1.2	ug/Kg	1	11/10/18	PS	SW8260C	
Chlorobenzene	ND		5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C	
Chloroethane	ND		5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C	
Chloroform	ND		5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C	
Chloromethane	ND		5.9	1.2	ug/Kg	1	11/10/18	PS	SW8260C	
cis-1,2-Dichloroethene	ND		5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C	
cis-1,3-Dichloropropene	ND		5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C	
Dibromochloromethane	ND		5.9	1.2	ug/Kg	1	11/10/18	PS	SW8260C	
Dibromomethane	ND		5.9	1.2	ug/Kg	1	11/10/18	PS	SW8260C	
Dichlorodifluoromethane	ND		5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C	
Ethylbenzene	ND		5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C	
Hexachlorobutadiene	ND		5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C	
Isopropylbenzene	ND		5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C	
m&p-Xylene	ND		5.9	1.2	ug/Kg	1	11/10/18	PS	SW8260C	
Methyl Ethyl Ketone	9.8	J	36	5.9	ug/Kg	1	11/10/18	PS	SW8260C	
Methyl t-butyl ether (MTBE)	ND		12	1.2	ug/Kg	1	11/10/18	PS	SW8260C	
Methylene chloride	ND		5.9	5.9	ug/Kg	1	11/10/18	PS	SW8260C	
Naphthalene	ND		5.9	1.2	ug/Kg	1	11/10/18	PS	SW8260C	
n-Butylbenzene	ND		5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C	
n-Propylbenzene	ND		5.9	1.2	ug/Kg	1	11/10/18	PS	SW8260C	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB3 (2-4`)

Phoenix I.D.: CB90224

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
o-Xylene	ND		5.9	1.2	ug/Kg	1	11/10/18	PS	SW8260C	
p-Isopropyltoluene	ND		5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C	
sec-Butylbenzene	ND		5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C	
Styrene	ND		5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C	
tert-Butylbenzene	ND		5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C	
Tetrachloroethene	ND		5.9	1.2	ug/Kg	1	11/10/18	PS	SW8260C	
Tetrahydrofuran (THF)	ND		12	3.0	ug/Kg	1	11/10/18	PS	SW8260C	1
Toluene	0.94	J	5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C	
trans-1,2-Dichloroethene	ND		5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C	
trans-1,3-Dichloropropene	ND		5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C	
trans-1,4-dichloro-2-butene	ND		12	3.0	ug/Kg	1	11/10/18	PS	SW8260C	
Trichloroethene	ND		5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C	
Trichlorofluoromethane	ND		5.9	1.2	ug/Kg	1	11/10/18	PS	SW8260C	
Trichlorotrifluoroethane	ND		5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C	
Vinyl chloride	ND		5.9	0.59	ug/Kg	1	11/10/18	PS	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	101				%	1	11/10/18	PS	70 - 130 %	
% Bromofluorobenzene	95				%	1	11/10/18	PS	70 - 130 %	
% Dibromofluoromethane	57				%	1	11/10/18	PS	70 - 130 %	3
% Toluene-d8	97				%	1	11/10/18	PS	70 - 130 %	
1,4-dioxane										
1,4-dioxane	ND		89		ug/kg	1	11/10/18	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	101				%	1	11/10/18	JLI	70 - 130 %	
% Bromofluorobenzene	95				%	1	11/10/18	JLI	70 - 130 %	
% Toluene-d8	97				%	1	11/10/18	JLI	70 - 130 %	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		24		ug/Kg	1	11/10/18	JLI	SW8260C	
Acrolein	ND		5.9		ug/Kg	1	11/10/18	JLI	SW8260C	
Acrylonitrile	ND		24		ug/Kg	1	11/10/18	JLI	SW8260C	
Tert-butyl alcohol	ND		120		ug/Kg	1	11/10/18	JLI	SW8260C	
Semivolatiles										
1,2,4,5-Tetrachlorobenzene	ND		260	130	ug/Kg	1	11/08/18	WB	SW8270D	
1,2,4-Trichlorobenzene	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
1,2-Dichlorobenzene	ND		260	100	ug/Kg	1	11/08/18	WB	SW8270D	
1,2-Diphenylhydrazine	ND		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
1,3-Dichlorobenzene	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
1,4-Dichlorobenzene	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
2,4,5-Trichlorophenol	ND		260	200	ug/Kg	1	11/08/18	WB	SW8270D	
2,4,6-Trichlorophenol	ND		180	120	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dichlorophenol	ND		180	130	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dimethylphenol	ND		260	91	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dinitrophenol	ND		260	260	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dinitrotoluene	ND		180	140	ug/Kg	1	11/08/18	WB	SW8270D	
2,6-Dinitrotoluene	ND		180	120	ug/Kg	1	11/08/18	WB	SW8270D	
2-Chloronaphthalene	ND		260	100	ug/Kg	1	11/08/18	WB	SW8270D	
2-Chlorophenol	ND		260	100	ug/Kg	1	11/08/18	WB	SW8270D	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB3 (2-4`)

Phoenix I.D.: CB90224

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2-Methylnaphthalene	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
2-Methylphenol (o-cresol)	ND		260	170	ug/Kg	1	11/08/18	WB	SW8270D	
2-Nitroaniline	ND		260	260	ug/Kg	1	11/08/18	WB	SW8270D	
2-Nitrophenol	ND		260	230	ug/Kg	1	11/08/18	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		260	140	ug/Kg	1	11/08/18	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND		180	170	ug/Kg	1	11/08/18	WB	SW8270D	
3-Nitroaniline	ND		370	730	ug/Kg	1	11/08/18	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND		220	73	ug/Kg	1	11/08/18	WB	SW8270D	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	1	11/08/18	WB	SW8270D	
4-Chloroaniline	ND		290	170	ug/Kg	1	11/08/18	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
4-Nitroaniline	ND		370	120	ug/Kg	1	11/08/18	WB	SW8270D	
4-Nitrophenol	ND		370	170	ug/Kg	1	11/08/18	WB	SW8270D	
Acenaphthene	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Acenaphthylene	ND		260	100	ug/Kg	1	11/08/18	WB	SW8270D	
Acetophenone	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Aniline	ND		290	290	ug/Kg	1	11/08/18	WB	SW8270D	
Anthracene	190	J	260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benz(a)anthracene	540		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzidine	ND		370	220	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(a)pyrene	500		180	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(b)fluoranthene	430		260	130	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(ghi)perylene	290		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(k)fluoranthene	440		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzoic acid	ND		1800	730	ug/Kg	1	11/08/18	WB	SW8270D	
Benzyl butyl phthalate	150	J	260	94	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-chloroethyl)ether	ND		180	99	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	190	J	260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Carbazole	ND		180	150	ug/Kg	1	11/08/18	WB	SW8270D	
Chrysene	570		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Dibenz(a,h)anthracene	ND		180	120	ug/Kg	1	11/08/18	WB	SW8270D	
Dibenzofuran	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Diethyl phthalate	ND		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Dimethylphthalate	310		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Di-n-butylphthalate	ND		260	97	ug/Kg	1	11/08/18	WB	SW8270D	
Di-n-octylphthalate	ND		260	94	ug/Kg	1	11/08/18	WB	SW8270D	
Fluoranthene	1100		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Fluorene	ND		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachlorobenzene	ND		180	110	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachlorobutadiene	ND		260	130	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachlorocyclopentadiene	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachloroethane	ND		180	110	ug/Kg	1	11/08/18	WB	SW8270D	
Indeno(1,2,3-cd)pyrene	310		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Isophorone	ND		1800	1800	ug/Kg	1	11/08/18	WB	SW8270D	
Naphthalene	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Nitrobenzene	ND		180	130	ug/Kg	1	11/08/18	WB	SW8270D	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB3 (2-4`)

Phoenix I.D.: CB90224

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
N-Nitrosodimethylamine	ND	260	100	ug/Kg	1	11/08/18	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND	180	120	ug/Kg	1	11/08/18	WB	SW8270D	
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	1	11/08/18	WB	SW8270D	
Pentachloronitrobenzene	ND	260	140	ug/Kg	1	11/08/18	WB	SW8270D	
Pentachlorophenol	ND	220	140	ug/Kg	1	11/08/18	WB	SW8270D	
Phenanthrene	770	260	100	ug/Kg	1	11/08/18	WB	SW8270D	
Phenol	ND	260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Pyrene	1000	260	130	ug/Kg	1	11/08/18	WB	SW8270D	
Pyridine	ND	260	90	ug/Kg	1	11/08/18	WB	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	62			%	1	11/08/18	WB	30 - 130 %	
% 2-Fluorobiphenyl	58			%	1	11/08/18	WB	30 - 130 %	
% 2-Fluorophenol	37			%	1	11/08/18	WB	30 - 130 %	
% Nitrobenzene-d5	71			%	1	11/08/18	WB	30 - 130 %	
% Phenol-d5	77			%	1	11/08/18	WB	30 - 130 %	
% Terphenyl-d14	55			%	1	11/08/18	WB	30 - 130 %	
Field Extraction	Completed					11/06/18		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.

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

Volatile comment:
**Poor surrogate recovery was observed for volatiles. Sample was analyzed twice with similar results indicating matrix interference.

L - Acetone is reported from a Phoenix prepared low level. A negative bias is possible.

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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
November 15, 2018
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 15, 2018

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		11/06/18	
Location Code:	EBC	Received by:	CP	11/07/18	16:24
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCB90220
Phoenix ID: CB90225

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB3 (5-7`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.40	0.40		mg/Kg	1	11/09/18	EK	SW6010C
Aluminum	4910	40		mg/Kg	10	11/08/18	EK	SW6010C
Arsenic	4.54	0.80		mg/Kg	1	11/09/18	EK	SW6010C
Barium	184	0.8		mg/Kg	1	11/09/18	EK	SW6010C
Beryllium	< 0.32	0.32		mg/Kg	1	11/09/18	EK	SW6010C
Calcium	41200	40		mg/Kg	10	11/08/18	EK	SW6010C
Cadmium	0.43	0.40		mg/Kg	1	11/09/18	EK	SW6010C
Cobalt	2.42	0.40		mg/Kg	1	11/09/18	EK	SW6010C
Chromium	12.5	0.40		mg/Kg	1	11/09/18	EK	SW6010C
Copper	14.7	0.8		mg/kg	1	11/09/18	EK	SW6010C
Iron	7310	4.0		mg/Kg	1	11/09/18	EK	SW6010C
Mercury	0.15	0.03		mg/Kg	1	11/08/18	RS	SW7471B
Potassium	1050	8		mg/Kg	1	11/09/18	EK	SW6010C
Magnesium	2240	4.0		mg/Kg	1	11/09/18	EK	SW6010C
Manganese	130	0.40		mg/Kg	1	11/09/18	EK	SW6010C
Sodium	393	8		mg/Kg	1	11/09/18	EK	SW6010C
Nickel	8.27	0.40		mg/Kg	1	11/09/18	EK	SW6010C
Lead	260	8.0		mg/Kg	10	11/08/18	EK	SW6010C
Antimony	< 4.0	4.0		mg/Kg	1	11/09/18	EK	SW6010C
Selenium	< 1.6	1.6		mg/Kg	1	11/09/18	EK	SW6010C
Thallium	< 1.6	1.6		mg/Kg	1	11/09/18	EK	SW6010C
Vanadium	10.6	0.40		mg/Kg	1	11/09/18	EK	SW6010C
Zinc	186	8.0		mg/Kg	10	11/08/18	EK	SW6010C
Percent Solid	88			%		11/07/18	AK	SW846-%Solid
Soil Extraction for PCB	Completed					11/08/18	MJ/V	SW3545A
Soil Extraction for Pesticides	Completed					11/08/18	MJ/V	SW3545A
Soil Extraction for SVOA	Completed					11/07/18	JJ/CKV	SW3545A
Mercury Digestion	Completed					11/08/18	EV/Q	SW7471B

Ver 1

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB3 (5-7`)

Phoenix I.D.: CB90225

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed					11/07/18	CK/AG/BF	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	74	74	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1221	ND	74	74	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1232	ND	74	74	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1242	ND	74	74	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1248	ND	74	74	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1254	ND	74	74	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1260	ND	74	74	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1262	ND	74	74	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1268	ND	74	74	ug/Kg	2	11/09/18	AW	SW8082A
QA/QC Surrogates								
% DCBP	95			%	2	11/09/18	AW	30 - 150 %
% TCMX	85			%	2	11/09/18	AW	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.2		ug/Kg	2	11/09/18	CW	SW8081B
4,4' -DDE	8.8	2.2		ug/Kg	2	11/09/18	CW	SW8081B
4,4' -DDT	54	2.2		ug/Kg	2	11/09/18	CW	SW8081B
a-BHC	ND	7.4		ug/Kg	2	11/09/18	CW	SW8081B
a-Chlordane	20	3.7		ug/Kg	2	11/09/18	CW	SW8081B
Aldrin	ND	3.7		ug/Kg	2	11/09/18	CW	SW8081B
b-BHC	ND	7.4		ug/Kg	2	11/09/18	CW	SW8081B
Chlordane	70	37		ug/Kg	2	11/09/18	CW	SW8081B
d-BHC	ND	7.4		ug/Kg	2	11/09/18	CW	SW8081B
Dieldrin	22	3.7		ug/Kg	2	11/09/18	CW	SW8081B
Endosulfan I	ND	7.4		ug/Kg	2	11/09/18	CW	SW8081B
Endosulfan II	ND	7.4		ug/Kg	2	11/09/18	CW	SW8081B
Endosulfan sulfate	ND	7.4		ug/Kg	2	11/09/18	CW	SW8081B
Endrin	ND	7.4		ug/Kg	2	11/09/18	CW	SW8081B
Endrin aldehyde	ND	7.4		ug/Kg	2	11/09/18	CW	SW8081B
Endrin ketone	ND	7.4		ug/Kg	2	11/09/18	CW	SW8081B
g-BHC	ND	1.5		ug/Kg	2	11/09/18	CW	SW8081B
g-Chlordane	12	3.7		ug/Kg	2	11/09/18	CW	SW8081B
Heptachlor	ND	7.4		ug/Kg	2	11/09/18	CW	SW8081B
Heptachlor epoxide	ND	7.4		ug/Kg	2	11/09/18	CW	SW8081B
Methoxychlor	ND	37		ug/Kg	2	11/09/18	CW	SW8081B
Toxaphene	ND	150		ug/Kg	2	11/09/18	CW	SW8081B
QA/QC Surrogates								
% DCBP	71			%	2	11/09/18	CW	30 - 150 %
% TCMX	72			%	2	11/09/18	CW	30 - 150 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	9.3	1.9	ug/Kg	1	11/09/18	PS	SW8260C
1,1,1-Trichloroethane	ND	9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C
1,1,2,2-Tetrachloroethane	ND	9.3	1.9	ug/Kg	1	11/09/18	PS	SW8260C
1,1,2-Trichloroethane	ND	9.3	1.9	ug/Kg	1	11/09/18	PS	SW8260C
1,1-Dichloroethane	ND	9.3	1.9	ug/Kg	1	11/09/18	PS	SW8260C
1,1-Dichloroethene	ND	9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB3 (5-7`)

Phoenix I.D.: CB90225

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloropropene	ND		9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C	
1,2,3-Trichlorobenzene	ND		9.3	1.9	ug/Kg	1	11/09/18	PS	SW8260C	
1,2,3-Trichloropropane	ND		9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C	
1,2,4-Trichlorobenzene	ND		9.3	1.9	ug/Kg	1	11/09/18	PS	SW8260C	
1,2,4-Trimethylbenzene	ND		9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C	
1,2-Dibromo-3-chloropropane	ND		9.3	1.9	ug/Kg	1	11/09/18	PS	SW8260C	
1,2-Dibromoethane	ND		9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C	
1,2-Dichlorobenzene	ND		9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C	
1,2-Dichloroethane	ND		9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C	
1,2-Dichloropropane	ND		9.3	1.9	ug/Kg	1	11/09/18	PS	SW8260C	
1,3,5-Trimethylbenzene	ND		9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C	
1,3-Dichlorobenzene	ND		9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C	
1,3-Dichloropropane	ND		9.3	1.9	ug/Kg	1	11/09/18	PS	SW8260C	
1,4-Dichlorobenzene	ND		9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C	
2,2-Dichloropropane	ND		9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C	
2-Chlorotoluene	ND		9.3	1.9	ug/Kg	1	11/09/18	PS	SW8260C	
2-Hexanone	ND		46	9.3	ug/Kg	1	11/09/18	PS	SW8260C	
2-Isopropyltoluene	ND		9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C	1
4-Chlorotoluene	ND		9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C	
4-Methyl-2-pentanone	ND		46	9.3	ug/Kg	1	11/09/18	PS	SW8260C	
Acetone	10	JSL	28	5.6	ug/Kg	1	11/13/18	PS	SW8260C	
Acrylonitrile	ND		19	1.9	ug/Kg	1	11/09/18	PS	SW8260C	
Benzene	ND		9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C	
Bromobenzene	ND		9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C	
Bromochloromethane	ND		9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C	
Bromodichloromethane	ND		9.3	1.9	ug/Kg	1	11/09/18	PS	SW8260C	
Bromoform	ND		9.3	1.9	ug/Kg	1	11/09/18	PS	SW8260C	
Bromomethane	ND		9.3	3.7	ug/Kg	1	11/09/18	PS	SW8260C	
Carbon Disulfide	ND		9.3	1.9	ug/Kg	1	11/09/18	PS	SW8260C	
Carbon tetrachloride	ND		9.3	1.9	ug/Kg	1	11/09/18	PS	SW8260C	
Chlorobenzene	ND		9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C	
Chloroethane	ND		9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C	
Chloroform	ND		9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C	
Chloromethane	ND		9.3	1.9	ug/Kg	1	11/09/18	PS	SW8260C	
cis-1,2-Dichloroethene	ND		9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C	
cis-1,3-Dichloropropene	ND		9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C	
Dibromochloromethane	ND		9.3	1.9	ug/Kg	1	11/09/18	PS	SW8260C	
Dibromomethane	ND		9.3	1.9	ug/Kg	1	11/09/18	PS	SW8260C	
Dichlorodifluoromethane	ND		9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C	
Ethylbenzene	ND		9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C	
Hexachlorobutadiene	ND		9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C	
Isopropylbenzene	ND		9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C	
m&p-Xylene	ND		9.3	1.9	ug/Kg	1	11/09/18	PS	SW8260C	
Methyl Ethyl Ketone	ND		56	9.3	ug/Kg	1	11/09/18	PS	SW8260C	
Methyl t-butyl ether (MTBE)	ND		19	1.9	ug/Kg	1	11/09/18	PS	SW8260C	
Methylene chloride	ND		9.3	9.3	ug/Kg	1	11/09/18	PS	SW8260C	
Naphthalene	ND		9.3	1.9	ug/Kg	1	11/09/18	PS	SW8260C	
n-Butylbenzene	ND		9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C	
n-Propylbenzene	ND		9.3	1.9	ug/Kg	1	11/09/18	PS	SW8260C	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB3 (5-7`)

Phoenix I.D.: CB90225

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
o-Xylene	ND	9.3	1.9	ug/Kg	1	11/09/18	PS	SW8260C	
p-Isopropyltoluene	ND	9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C	
sec-Butylbenzene	ND	9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C	
Styrene	ND	9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C	
tert-Butylbenzene	ND	9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C	
Tetrachloroethene	ND	9.3	1.9	ug/Kg	1	11/09/18	PS	SW8260C	
Tetrahydrofuran (THF)	ND	19	4.6	ug/Kg	1	11/09/18	PS	SW8260C	1
Toluene	ND	9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C	
trans-1,2-Dichloroethene	ND	9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C	
trans-1,3-Dichloropropene	ND	9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C	
trans-1,4-dichloro-2-butene	ND	19	4.6	ug/Kg	1	11/09/18	PS	SW8260C	
Trichloroethene	ND	9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C	
Trichlorofluoromethane	ND	9.3	1.9	ug/Kg	1	11/09/18	PS	SW8260C	
Trichlorotrifluoroethane	ND	9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C	
Vinyl chloride	ND	9.3	0.93	ug/Kg	1	11/09/18	PS	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	101			%	1	11/09/18	PS	70 - 130 %	
% Bromofluorobenzene	97			%	1	11/09/18	PS	70 - 130 %	
% Dibromofluoromethane	105			%	1	11/09/18	PS	70 - 130 %	
% Toluene-d8	96			%	1	11/09/18	PS	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	100		ug/kg	1	11/09/18	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	101			%	1	11/09/18	JLI	70 - 130 %	
% Bromofluorobenzene	97			%	1	11/09/18	JLI	70 - 130 %	
% Toluene-d8	96			%	1	11/09/18	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	37		ug/Kg	1	11/09/18	JLI	SW8260C	
Acrolein	ND	9.3		ug/Kg	1	11/09/18	JLI	SW8260C	
Acrylonitrile	ND	37		ug/Kg	1	11/09/18	JLI	SW8260C	
Tert-butyl alcohol	ND	190		ug/Kg	1	11/09/18	JLI	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	11/08/18	WB	SW8270D	
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	1	11/08/18	WB	SW8270D	
1,2-Dichlorobenzene	ND	260	110	ug/Kg	1	11/08/18	WB	SW8270D	
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	1	11/08/18	WB	SW8270D	
1,3-Dichlorobenzene	ND	260	110	ug/Kg	1	11/08/18	WB	SW8270D	
1,4-Dichlorobenzene	ND	260	110	ug/Kg	1	11/08/18	WB	SW8270D	
2,4,5-Trichlorophenol	ND	260	210	ug/Kg	1	11/08/18	WB	SW8270D	
2,4,6-Trichlorophenol	ND	190	120	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dichlorophenol	ND	190	130	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dimethylphenol	ND	260	93	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dinitrotoluene	ND	190	150	ug/Kg	1	11/08/18	WB	SW8270D	
2,6-Dinitrotoluene	ND	190	120	ug/Kg	1	11/08/18	WB	SW8270D	
2-Chloronaphthalene	ND	260	110	ug/Kg	1	11/08/18	WB	SW8270D	
2-Chlorophenol	ND	260	110	ug/Kg	1	11/08/18	WB	SW8270D	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB3 (5-7`)

Phoenix I.D.: CB90225

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2-Methylnaphthalene	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
2-Methylphenol (o-cresol)	ND		260	180	ug/Kg	1	11/08/18	WB	SW8270D	
2-Nitroaniline	ND		260	260	ug/Kg	1	11/08/18	WB	SW8270D	
2-Nitrophenol	ND		260	240	ug/Kg	1	11/08/18	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		260	150	ug/Kg	1	11/08/18	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND		190	180	ug/Kg	1	11/08/18	WB	SW8270D	
3-Nitroaniline	ND		380	750	ug/Kg	1	11/08/18	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND		230	75	ug/Kg	1	11/08/18	WB	SW8270D	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	1	11/08/18	WB	SW8270D	
4-Chloroaniline	ND		300	180	ug/Kg	1	11/08/18	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND		260	130	ug/Kg	1	11/08/18	WB	SW8270D	
4-Nitroaniline	ND		380	130	ug/Kg	1	11/08/18	WB	SW8270D	
4-Nitrophenol	ND		380	170	ug/Kg	1	11/08/18	WB	SW8270D	
Acenaphthene	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Acenaphthylene	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Acetophenone	ND		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Aniline	ND		300	300	ug/Kg	1	11/08/18	WB	SW8270D	
Anthracene	ND		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benz(a)anthracene	ND		260	130	ug/Kg	1	11/08/18	WB	SW8270D	
Benzidine	ND		380	220	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(a)pyrene	ND		190	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(b)fluoranthene	ND		260	130	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(ghi)perylene	ND		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(k)fluoranthene	ND		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzoic acid	ND		1900	750	ug/Kg	1	11/08/18	WB	SW8270D	
Benzyl butyl phthalate	ND		260	97	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-chloroethyl)ether	ND		190	100	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	140	J	260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Carbazole	ND		190	150	ug/Kg	1	11/08/18	WB	SW8270D	
Chrysene	ND		260	130	ug/Kg	1	11/08/18	WB	SW8270D	
Dibenz(a,h)anthracene	ND		190	120	ug/Kg	1	11/08/18	WB	SW8270D	
Dibenzofuran	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Diethyl phthalate	ND		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Dimethylphthalate	ND		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Di-n-butylphthalate	ND		260	100	ug/Kg	1	11/08/18	WB	SW8270D	
Di-n-octylphthalate	ND		260	97	ug/Kg	1	11/08/18	WB	SW8270D	
Fluoranthene	160	J	260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Fluorene	ND		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachlorobenzene	ND		190	110	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachlorobutadiene	ND		260	140	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachlorocyclopentadiene	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachloroethane	ND		190	110	ug/Kg	1	11/08/18	WB	SW8270D	
Indeno(1,2,3-cd)pyrene	ND		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Isophorone	ND		190	110	ug/Kg	1	11/08/18	WB	SW8270D	
Naphthalene	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Nitrobenzene	ND		190	130	ug/Kg	1	11/08/18	WB	SW8270D	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB3 (5-7`)

Phoenix I.D.: CB90225

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
N-Nitrosodimethylamine	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND		190	120	ug/Kg	1	11/08/18	WB	SW8270D	
N-Nitrosodiphenylamine	ND		260	140	ug/Kg	1	11/08/18	WB	SW8270D	
Pentachloronitrobenzene	ND		260	140	ug/Kg	1	11/08/18	WB	SW8270D	
Pentachlorophenol	ND		230	140	ug/Kg	1	11/08/18	WB	SW8270D	
Phenanthrene	150	J	260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Phenol	ND		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Pyrene	140	J	260	130	ug/Kg	1	11/08/18	WB	SW8270D	
Pyridine	ND		260	92	ug/Kg	1	11/08/18	WB	SW8270D	
QA/QC Surrogates										
% 2,4,6-Tribromophenol	68				%	1	11/08/18	WB	30 - 130 %	
% 2-Fluorobiphenyl	57				%	1	11/08/18	WB	30 - 130 %	
% 2-Fluorophenol	56				%	1	11/08/18	WB	30 - 130 %	
% Nitrobenzene-d5	62				%	1	11/08/18	WB	30 - 130 %	
% Phenol-d5	72				%	1	11/08/18	WB	30 - 130 %	
% Terphenyl-d14	50				%	1	11/08/18	WB	30 - 130 %	
Field Extraction	Completed						11/06/18		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (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 at RL/PQL
BRL=Below Reporting Level L=Biased Low 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.

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.

L - Acetone is reported from a Phoenix prepared low level. A negative bias is possible.

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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
November 15, 2018
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 15, 2018

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		11/06/18	
Location Code:	EBC	Received by:	CP	11/07/18	16:24
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCB90220
Phoenix ID: CB90226

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB4 (2-4`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.38	0.38		mg/Kg	1	11/09/18	EK	SW6010C
Aluminum	8440	38		mg/Kg	10	11/08/18	EK	SW6010C
Arsenic	4.84	0.75		mg/Kg	1	11/09/18	EK	SW6010C
Barium	91.2	0.8		mg/Kg	1	11/09/18	EK	SW6010C
Beryllium	0.77	0.30		mg/Kg	1	11/09/18	EK	SW6010C
Calcium	7050	3.8		mg/Kg	1	11/09/18	EK	SW6010C
Cadmium	1.17	0.38		mg/Kg	1	11/09/18	EK	SW6010C
Cobalt	10.5	0.38		mg/Kg	1	11/09/18	EK	SW6010C
Chromium	31.2	0.38		mg/Kg	1	11/09/18	EK	SW6010C
Copper	48.8	0.8		mg/kg	1	11/09/18	EK	SW6010C
Iron	56300	38		mg/Kg	10	11/08/18	EK	SW6010C
Mercury	0.31	0.03		mg/Kg	1	11/08/18	RS	SW7471B
Potassium	1100	8		mg/Kg	1	11/09/18	EK	SW6010C
Magnesium	1960	3.8		mg/Kg	1	11/09/18	EK	SW6010C
Manganese	981	3.8		mg/Kg	10	11/08/18	EK	SW6010C
Sodium	139	8		mg/Kg	1	11/09/18	EK	SW6010C
Nickel	21.8	0.38		mg/Kg	1	11/09/18	EK	SW6010C
Lead	106	0.8		mg/Kg	1	11/09/18	EK	SW6010C
Antimony	< 3.8	3.8		mg/Kg	1	11/09/18	EK	SW6010C
Selenium	< 1.5	1.5		mg/Kg	1	11/09/18	EK	SW6010C
Thallium	< 1.5	1.5		mg/Kg	1	11/09/18	EK	SW6010C
Vanadium	33.3	0.38		mg/Kg	1	11/09/18	EK	SW6010C
Zinc	96.0	0.8		mg/Kg	1	11/09/18	EK	SW6010C
Percent Solid	92			%		11/07/18	AK	SW846-%Solid
Soil Extraction for PCB	Completed					11/08/18	MJ/V	SW3545A
Soil Extraction for Pesticides	Completed					11/08/18	MJ/V	SW3545A
Soil Extraction for SVOA	Completed					11/07/18	JJ/CKV	SW3545A
Mercury Digestion	Completed					11/08/18	EV/Q	SW7471B

Ver 1

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB4 (2-4`)

Phoenix I.D.: CB90226

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed					11/07/18	CK/AG/BF	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	72	72	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1221	ND	72	72	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1232	ND	72	72	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1242	ND	72	72	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1248	ND	72	72	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1254	ND	72	72	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1260	ND	72	72	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1262	ND	72	72	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1268	ND	72	72	ug/Kg	2	11/09/18	AW	SW8082A
QA/QC Surrogates								
% DCBP	102			%	2	11/09/18	AW	30 - 150 %
% TCMX	98			%	2	11/09/18	AW	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.1		ug/Kg	2	11/09/18	CW	SW8081B
4,4' -DDE	ND	2.1		ug/Kg	2	11/09/18	CW	SW8081B
4,4' -DDT	ND	2.1		ug/Kg	2	11/09/18	CW	SW8081B
a-BHC	ND	7.2		ug/Kg	2	11/09/18	CW	SW8081B
a-Chlordane	ND	3.6		ug/Kg	2	11/09/18	CW	SW8081B
Aldrin	ND	3.6		ug/Kg	2	11/09/18	CW	SW8081B
b-BHC	ND	7.2		ug/Kg	2	11/09/18	CW	SW8081B
Chlordane	ND	36		ug/Kg	2	11/09/18	CW	SW8081B
d-BHC	ND	7.2		ug/Kg	2	11/09/18	CW	SW8081B
Dieldrin	ND	3.6		ug/Kg	2	11/09/18	CW	SW8081B
Endosulfan I	ND	7.2		ug/Kg	2	11/09/18	CW	SW8081B
Endosulfan II	ND	7.2		ug/Kg	2	11/09/18	CW	SW8081B
Endosulfan sulfate	ND	7.2		ug/Kg	2	11/09/18	CW	SW8081B
Endrin	ND	7.2		ug/Kg	2	11/09/18	CW	SW8081B
Endrin aldehyde	ND	7.2		ug/Kg	2	11/09/18	CW	SW8081B
Endrin ketone	ND	7.2		ug/Kg	2	11/09/18	CW	SW8081B
g-BHC	ND	1.4		ug/Kg	2	11/09/18	CW	SW8081B
g-Chlordane	ND	3.6		ug/Kg	2	11/09/18	CW	SW8081B
Heptachlor	ND	7.2		ug/Kg	2	11/09/18	CW	SW8081B
Heptachlor epoxide	ND	7.2		ug/Kg	2	11/09/18	CW	SW8081B
Methoxychlor	ND	36		ug/Kg	2	11/09/18	CW	SW8081B
Toxaphene	ND	140		ug/Kg	2	11/09/18	CW	SW8081B
QA/QC Surrogates								
% DCBP	82			%	2	11/09/18	CW	30 - 150 %
% TCMX	70			%	2	11/09/18	CW	30 - 150 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.5	1.1	ug/Kg	1	11/10/18	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.5	1.1	ug/Kg	1	11/10/18	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.5	1.1	ug/Kg	1	11/10/18	JLI	SW8260C
1,1-Dichloroethane	ND	5.5	1.1	ug/Kg	1	11/10/18	JLI	SW8260C
1,1-Dichloroethene	ND	5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB4 (2-4`)

Phoenix I.D.: CB90226

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		5.5	1.1	ug/Kg	1	11/10/18	JLI	SW8260C	
1,2,3-Trichloropropane	ND		5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		5.5	1.1	ug/Kg	1	11/10/18	JLI	SW8260C	
1,2,4-Trimethylbenzene	14		5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		5.5	1.1	ug/Kg	1	11/10/18	JLI	SW8260C	
1,2-Dibromoethane	ND		5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C	
1,2-Dichlorobenzene	ND		5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C	
1,2-Dichloroethane	ND		5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C	
1,2-Dichloropropane	ND		5.5	1.1	ug/Kg	1	11/10/18	JLI	SW8260C	
1,3,5-Trimethylbenzene	3.4	J	5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C	
1,3-Dichlorobenzene	ND		5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C	
1,3-Dichloropropane	ND		5.5	1.1	ug/Kg	1	11/10/18	JLI	SW8260C	
1,4-Dichlorobenzene	ND		5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C	
2,2-Dichloropropane	ND		5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C	
2-Chlorotoluene	ND		5.5	1.1	ug/Kg	1	11/10/18	JLI	SW8260C	
2-Hexanone	ND		27	5.5	ug/Kg	1	11/10/18	JLI	SW8260C	
2-Isopropyltoluene	1.1	J	5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C	1
4-Chlorotoluene	ND		5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C	
4-Methyl-2-pentanone	ND		27	5.5	ug/Kg	1	11/10/18	JLI	SW8260C	
Acetone	17	JS	27	5.5	ug/Kg	1	11/10/18	JLI	SW8260C	
Acrylonitrile	ND		11	1.1	ug/Kg	1	11/10/18	JLI	SW8260C	
Benzene	ND		5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C	
Bromobenzene	ND		5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C	
Bromochloromethane	ND		5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C	
Bromodichloromethane	ND		5.5	1.1	ug/Kg	1	11/10/18	JLI	SW8260C	
Bromoform	ND		5.5	1.1	ug/Kg	1	11/10/18	JLI	SW8260C	
Bromomethane	ND		5.5	2.2	ug/Kg	1	11/10/18	JLI	SW8260C	
Carbon Disulfide	ND		5.5	1.1	ug/Kg	1	11/10/18	JLI	SW8260C	
Carbon tetrachloride	ND		5.5	1.1	ug/Kg	1	11/10/18	JLI	SW8260C	
Chlorobenzene	ND		5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C	
Chloroethane	ND		5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C	
Chloroform	ND		5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C	
Chloromethane	ND		5.5	1.1	ug/Kg	1	11/10/18	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C	
Dibromochloromethane	ND		5.5	1.1	ug/Kg	1	11/10/18	JLI	SW8260C	
Dibromomethane	ND		5.5	1.1	ug/Kg	1	11/10/18	JLI	SW8260C	
Dichlorodifluoromethane	ND		5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C	
Ethylbenzene	ND		5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C	
Hexachlorobutadiene	ND		5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C	
Isopropylbenzene	ND		5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C	
m&p-Xylene	ND		5.5	1.1	ug/Kg	1	11/10/18	JLI	SW8260C	
Methyl Ethyl Ketone	ND		33	5.5	ug/Kg	1	11/10/18	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		11	1.1	ug/Kg	1	11/10/18	JLI	SW8260C	
Methylene chloride	ND		5.5	5.5	ug/Kg	1	11/10/18	JLI	SW8260C	
Naphthalene	1.7	J	5.5	1.1	ug/Kg	1	11/10/18	JLI	SW8260C	
n-Butylbenzene	4.8	J	5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C	
n-Propylbenzene	ND		5.5	1.1	ug/Kg	1	11/10/18	JLI	SW8260C	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB4 (2-4`)

Phoenix I.D.: CB90226

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
o-Xylene	ND		5.5	1.1	ug/Kg	1	11/10/18	JLI	SW8260C	
p-Isopropyltoluene	2.8	J	5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C	
sec-Butylbenzene	3.2	J	5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C	
Styrene	ND		5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C	
tert-Butylbenzene	ND		5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C	
Tetrachloroethene	ND		5.5	1.1	ug/Kg	1	11/10/18	JLI	SW8260C	
Tetrahydrofuran (THF)	ND		11	2.7	ug/Kg	1	11/10/18	JLI	SW8260C	1
Toluene	ND		5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C	
trans-1,2-Dichloroethene	ND		5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C	
trans-1,3-Dichloropropene	ND		5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND		11	2.7	ug/Kg	1	11/10/18	JLI	SW8260C	
Trichloroethene	ND		5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C	
Trichlorofluoromethane	ND		5.5	1.1	ug/Kg	1	11/10/18	JLI	SW8260C	
Trichlorotrifluoroethane	ND		5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C	
Vinyl chloride	ND		5.5	0.55	ug/Kg	1	11/10/18	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	99				%	1	11/10/18	JLI	70 - 130 %	
% Bromofluorobenzene	100				%	1	11/10/18	JLI	70 - 130 %	
% Dibromofluoromethane	99				%	1	11/10/18	JLI	70 - 130 %	
% Toluene-d8	97				%	1	11/10/18	JLI	70 - 130 %	
1,4-dioxane										
1,4-dioxane	ND		82		ug/kg	1	11/10/18	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	99				%	1	11/10/18	JLI	70 - 130 %	
% Bromofluorobenzene	100				%	1	11/10/18	JLI	70 - 130 %	
% Toluene-d8	97				%	1	11/10/18	JLI	70 - 130 %	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		22		ug/Kg	1	11/10/18	JLI	SW8260C	
Acrolein	ND		5.5		ug/Kg	1	11/10/18	JLI	SW8260C	
Acrylonitrile	ND		22		ug/Kg	1	11/10/18	JLI	SW8260C	
Tert-butyl alcohol	ND		110		ug/Kg	1	11/10/18	JLI	SW8260C	
Semivolatiles										
1,2,4,5-Tetrachlorobenzene	ND		250	130	ug/Kg	1	11/08/18	WB	SW8270D	
1,2,4-Trichlorobenzene	ND		250	110	ug/Kg	1	11/08/18	WB	SW8270D	
1,2-Dichlorobenzene	ND		250	100	ug/Kg	1	11/08/18	WB	SW8270D	
1,2-Diphenylhydrazine	ND		250	120	ug/Kg	1	11/08/18	WB	SW8270D	
1,3-Dichlorobenzene	ND		250	110	ug/Kg	1	11/08/18	WB	SW8270D	
1,4-Dichlorobenzene	ND		250	110	ug/Kg	1	11/08/18	WB	SW8270D	
2,4,5-Trichlorophenol	ND		250	200	ug/Kg	1	11/08/18	WB	SW8270D	
2,4,6-Trichlorophenol	ND		180	110	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dichlorophenol	ND		180	130	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dimethylphenol	ND		250	89	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dinitrophenol	ND		250	250	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dinitrotoluene	ND		180	140	ug/Kg	1	11/08/18	WB	SW8270D	
2,6-Dinitrotoluene	ND		180	110	ug/Kg	1	11/08/18	WB	SW8270D	
2-Chloronaphthalene	ND		250	100	ug/Kg	1	11/08/18	WB	SW8270D	
2-Chlorophenol	ND		250	100	ug/Kg	1	11/08/18	WB	SW8270D	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB4 (2-4`)

Phoenix I.D.: CB90226

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2-Methylnaphthalene	ND		250	110	ug/Kg	1	11/08/18	WB	SW8270D	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	1	11/08/18	WB	SW8270D	
2-Nitroaniline	ND		250	250	ug/Kg	1	11/08/18	WB	SW8270D	
2-Nitrophenol	ND		250	230	ug/Kg	1	11/08/18	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	1	11/08/18	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND		180	170	ug/Kg	1	11/08/18	WB	SW8270D	
3-Nitroaniline	ND		360	720	ug/Kg	1	11/08/18	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND		220	72	ug/Kg	1	11/08/18	WB	SW8270D	
4-Bromophenyl phenyl ether	ND		250	110	ug/Kg	1	11/08/18	WB	SW8270D	
4-Chloro-3-methylphenol	ND		250	130	ug/Kg	1	11/08/18	WB	SW8270D	
4-Chloroaniline	ND		290	170	ug/Kg	1	11/08/18	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	1	11/08/18	WB	SW8270D	
4-Nitroaniline	ND		360	120	ug/Kg	1	11/08/18	WB	SW8270D	
4-Nitrophenol	ND		360	160	ug/Kg	1	11/08/18	WB	SW8270D	
Acenaphthene	ND		250	110	ug/Kg	1	11/08/18	WB	SW8270D	
Acenaphthylene	ND		250	100	ug/Kg	1	11/08/18	WB	SW8270D	
Acetophenone	ND		250	110	ug/Kg	1	11/08/18	WB	SW8270D	
Aniline	ND		290	290	ug/Kg	1	11/08/18	WB	SW8270D	
Anthracene	ND		250	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benz(a)anthracene	220	J	250	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzidine	ND		360	210	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(a)pyrene	230		180	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(b)fluoranthene	200	J	250	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(ghi)perylene	160	J	250	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(k)fluoranthene	170	J	250	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzoic acid	ND		1800	720	ug/Kg	1	11/08/18	WB	SW8270D	
Benzyl butyl phthalate	ND		250	92	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND		250	99	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-chloroethyl)ether	ND		180	97	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND		250	100	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	1	11/08/18	WB	SW8270D	
Carbazole	ND		180	140	ug/Kg	1	11/08/18	WB	SW8270D	
Chrysene	240	J	250	120	ug/Kg	1	11/08/18	WB	SW8270D	
Dibenz(a,h)anthracene	ND		180	120	ug/Kg	1	11/08/18	WB	SW8270D	
Dibenzofuran	ND		250	100	ug/Kg	1	11/08/18	WB	SW8270D	
Diethyl phthalate	ND		250	110	ug/Kg	1	11/08/18	WB	SW8270D	
Dimethylphthalate	ND		250	110	ug/Kg	1	11/08/18	WB	SW8270D	
Di-n-butylphthalate	ND		250	95	ug/Kg	1	11/08/18	WB	SW8270D	
Di-n-octylphthalate	ND		250	92	ug/Kg	1	11/08/18	WB	SW8270D	
Fluoranthene	430		250	120	ug/Kg	1	11/08/18	WB	SW8270D	
Fluorene	ND		250	120	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachlorobenzene	ND		180	100	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachlorobutadiene	ND		250	130	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachloroethane	ND		180	110	ug/Kg	1	11/08/18	WB	SW8270D	
Indeno(1,2,3-cd)pyrene	150	J	250	120	ug/Kg	1	11/08/18	WB	SW8270D	
Isophorone	ND		360	360	ug/Kg	1	11/08/18	WB	SW8270D	
Naphthalene	ND		250	100	ug/Kg	1	11/08/18	WB	SW8270D	
Nitrobenzene	ND		180	130	ug/Kg	1	11/08/18	WB	SW8270D	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB4 (2-4`)

Phoenix I.D.: CB90226

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	1	11/08/18	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND		180	120	ug/Kg	1	11/08/18	WB	SW8270D	
N-Nitrosodiphenylamine	ND		250	140	ug/Kg	1	11/08/18	WB	SW8270D	
Pentachloronitrobenzene	ND		250	130	ug/Kg	1	11/08/18	WB	SW8270D	
Pentachlorophenol	ND		220	140	ug/Kg	1	11/08/18	WB	SW8270D	
Phenanthrene	240	J	250	100	ug/Kg	1	11/08/18	WB	SW8270D	
Phenol	ND		250	110	ug/Kg	1	11/08/18	WB	SW8270D	
Pyrene	480		250	120	ug/Kg	1	11/08/18	WB	SW8270D	
Pyridine	ND		250	88	ug/Kg	1	11/08/18	WB	SW8270D	
QA/QC Surrogates										
% 2,4,6-Tribromophenol	49				%	1	11/08/18	WB	30 - 130 %	
% 2-Fluorobiphenyl	55				%	1	11/08/18	WB	30 - 130 %	
% 2-Fluorophenol	71				%	1	11/08/18	WB	30 - 130 %	
% Nitrobenzene-d5	57				%	1	11/08/18	WB	30 - 130 %	
% Phenol-d5	74				%	1	11/08/18	WB	30 - 130 %	
% Terphenyl-d14	57				%	1	11/08/18	WB	30 - 130 %	
Field Extraction	Completed						11/06/18		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (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 at RL/PQL
BRL=Below Reporting Level L=Biased Low 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.

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.
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Phyllis Shiller, Laboratory Director
November 15, 2018
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 15, 2018

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		11/06/18	
Location Code:	EBC	Received by:	CP	11/07/18	16:24
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCB90220
Phoenix ID: CB90227

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB4 (5-7`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.33	0.33		mg/Kg	1	11/08/18	EK	SW6010C
Aluminum	7120	33		mg/Kg	10	11/08/18	EK	SW6010C
Arsenic	1.96	0.66		mg/Kg	1	11/08/18	EK	SW6010C
Barium	39.7	0.7		mg/Kg	1	11/08/18	EK	SW6010C
Beryllium	0.43	0.27		mg/Kg	1	11/08/18	EK	SW6010C
Calcium	849	3.3		mg/Kg	1	11/08/18	EK	SW6010C
Cadmium	0.40	0.33		mg/Kg	1	11/08/18	EK	SW6010C
Cobalt	8.25	0.33		mg/Kg	1	11/08/18	EK	SW6010C
Chromium	17.4	0.33		mg/Kg	1	11/08/18	EK	SW6010C
Copper	20.5	0.7		mg/kg	1	11/08/18	EK	SW6010C
Iron	20700	33		mg/Kg	10	11/08/18	EK	SW6010C
Mercury	< 0.03	0.03		mg/Kg	1	11/08/18	RS	SW7471B
Potassium	1360	7		mg/Kg	1	11/08/18	EK	SW6010C
Magnesium	1690	3.3		mg/Kg	1	11/08/18	EK	SW6010C
Manganese	444	3.3		mg/Kg	10	11/08/18	EK	SW6010C
Sodium	83	7		mg/Kg	1	11/08/18	EK	SW6010C
Nickel	12.3	0.33		mg/Kg	1	11/08/18	EK	SW6010C
Lead	6.2	0.7		mg/Kg	1	11/08/18	EK	SW6010C
Antimony	< 3.3	3.3		mg/Kg	1	11/08/18	EK	SW6010C
Selenium	< 1.3	1.3		mg/Kg	1	11/08/18	EK	SW6010C
Thallium	< 1.3	1.3		mg/Kg	1	11/08/18	EK	SW6010C
Vanadium	31.2	0.33		mg/Kg	1	11/08/18	EK	SW6010C
Zinc	27.0	0.7		mg/Kg	1	11/08/18	EK	SW6010C
Percent Solid	92			%		11/07/18	AK	SW846-%Solid
Soil Extraction for PCB	Completed					11/08/18	MJ/V	SW3545A
Soil Extraction for Pesticides	Completed					11/08/18	MJ/V	SW3545A
Soil Extraction for SVOA	Completed					11/07/18	JJ/CKV	SW3545A
Mercury Digestion	Completed					11/08/18	EV/Q	SW7471B

Ver 1

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB4 (5-7`)

Phoenix I.D.: CB90227

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed					11/07/18	CK/AG/BF	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	71	71	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1221	ND	71	71	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1232	ND	71	71	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1242	ND	71	71	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1248	ND	71	71	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1254	ND	71	71	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1260	ND	71	71	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1262	ND	71	71	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1268	ND	71	71	ug/Kg	2	11/09/18	AW	SW8082A
QA/QC Surrogates								
% DCBP	100			%	2	11/09/18	AW	30 - 150 %
% TCMX	91			%	2	11/09/18	AW	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.1		ug/Kg	2	11/09/18	CW	SW8081B
4,4' -DDE	ND	2.1		ug/Kg	2	11/09/18	CW	SW8081B
4,4' -DDT	ND	2.1		ug/Kg	2	11/09/18	CW	SW8081B
a-BHC	ND	7.1		ug/Kg	2	11/09/18	CW	SW8081B
a-Chlordane	ND	3.6		ug/Kg	2	11/09/18	CW	SW8081B
Aldrin	ND	3.6		ug/Kg	2	11/09/18	CW	SW8081B
b-BHC	ND	7.1		ug/Kg	2	11/09/18	CW	SW8081B
Chlordane	ND	36		ug/Kg	2	11/09/18	CW	SW8081B
d-BHC	ND	7.1		ug/Kg	2	11/09/18	CW	SW8081B
Dieldrin	ND	3.6		ug/Kg	2	11/09/18	CW	SW8081B
Endosulfan I	ND	7.1		ug/Kg	2	11/09/18	CW	SW8081B
Endosulfan II	ND	7.1		ug/Kg	2	11/09/18	CW	SW8081B
Endosulfan sulfate	ND	7.1		ug/Kg	2	11/09/18	CW	SW8081B
Endrin	ND	7.1		ug/Kg	2	11/09/18	CW	SW8081B
Endrin aldehyde	ND	7.1		ug/Kg	2	11/09/18	CW	SW8081B
Endrin ketone	ND	7.1		ug/Kg	2	11/09/18	CW	SW8081B
g-BHC	ND	1.4		ug/Kg	2	11/09/18	CW	SW8081B
g-Chlordane	ND	3.6		ug/Kg	2	11/09/18	CW	SW8081B
Heptachlor	ND	7.1		ug/Kg	2	11/09/18	CW	SW8081B
Heptachlor epoxide	ND	7.1		ug/Kg	2	11/09/18	CW	SW8081B
Methoxychlor	ND	36		ug/Kg	2	11/09/18	CW	SW8081B
Toxaphene	ND	140		ug/Kg	2	11/09/18	CW	SW8081B
QA/QC Surrogates								
% DCBP	81			%	2	11/09/18	CW	30 - 150 %
% TCMX	69			%	2	11/09/18	CW	30 - 150 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	4.8	0.97	ug/Kg	1	11/09/18	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.8	0.97	ug/Kg	1	11/09/18	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.8	0.97	ug/Kg	1	11/09/18	JLI	SW8260C
1,1-Dichloroethane	ND	4.8	0.97	ug/Kg	1	11/09/18	JLI	SW8260C
1,1-Dichloroethene	ND	4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB4 (5-7`)

Phoenix I.D.: CB90227

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloropropene	ND		4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		4.8	0.97	ug/Kg	1	11/09/18	JLI	SW8260C	
1,2,3-Trichloropropane	ND		4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		4.8	0.97	ug/Kg	1	11/09/18	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND		4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		4.8	0.97	ug/Kg	1	11/09/18	JLI	SW8260C	
1,2-Dibromoethane	ND		4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C	
1,2-Dichlorobenzene	ND		4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C	
1,2-Dichloroethane	ND		4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C	
1,2-Dichloropropane	ND		4.8	0.97	ug/Kg	1	11/09/18	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND		4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C	
1,3-Dichlorobenzene	ND		4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C	
1,3-Dichloropropane	ND		4.8	0.97	ug/Kg	1	11/09/18	JLI	SW8260C	
1,4-Dichlorobenzene	ND		4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C	
2,2-Dichloropropane	ND		4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C	
2-Chlorotoluene	ND		4.8	0.97	ug/Kg	1	11/09/18	JLI	SW8260C	
2-Hexanone	ND		24	4.8	ug/Kg	1	11/09/18	JLI	SW8260C	
2-Isopropyltoluene	ND		4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C	1
4-Chlorotoluene	ND		4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C	
4-Methyl-2-pentanone	ND		24	4.8	ug/Kg	1	11/09/18	JLI	SW8260C	
Acetone	46	S	24	4.8	ug/Kg	1	11/09/18	JLI	SW8260C	
Acrylonitrile	ND		9.7	0.97	ug/Kg	1	11/09/18	JLI	SW8260C	
Benzene	ND		4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C	
Bromobenzene	ND		4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C	
Bromochloromethane	ND		4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C	
Bromodichloromethane	ND		4.8	0.97	ug/Kg	1	11/09/18	JLI	SW8260C	
Bromoform	ND		4.8	0.97	ug/Kg	1	11/09/18	JLI	SW8260C	
Bromomethane	ND		4.8	1.9	ug/Kg	1	11/09/18	JLI	SW8260C	
Carbon Disulfide	ND		4.8	0.97	ug/Kg	1	11/09/18	JLI	SW8260C	
Carbon tetrachloride	ND		4.8	0.97	ug/Kg	1	11/09/18	JLI	SW8260C	
Chlorobenzene	ND		4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C	
Chloroethane	ND		4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C	
Chloroform	ND		4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C	
Chloromethane	ND		4.8	0.97	ug/Kg	1	11/09/18	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C	
Dibromochloromethane	ND		4.8	0.97	ug/Kg	1	11/09/18	JLI	SW8260C	
Dibromomethane	ND		4.8	0.97	ug/Kg	1	11/09/18	JLI	SW8260C	
Dichlorodifluoromethane	ND		4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C	
Ethylbenzene	ND		4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C	
Hexachlorobutadiene	ND		4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C	
Isopropylbenzene	ND		4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C	
m&p-Xylene	ND		4.8	0.97	ug/Kg	1	11/09/18	JLI	SW8260C	
Methyl Ethyl Ketone	ND		29	4.8	ug/Kg	1	11/09/18	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		9.7	0.97	ug/Kg	1	11/09/18	JLI	SW8260C	
Methylene chloride	ND		4.8	4.8	ug/Kg	1	11/09/18	JLI	SW8260C	
Naphthalene	ND		4.8	0.97	ug/Kg	1	11/09/18	JLI	SW8260C	
n-Butylbenzene	ND		4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C	
n-Propylbenzene	ND		4.8	0.97	ug/Kg	1	11/09/18	JLI	SW8260C	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB4 (5-7`)

Phoenix I.D.: CB90227

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
o-Xylene	ND	4.8	0.97	ug/Kg	1	11/09/18	JLI	SW8260C	
p-Isopropyltoluene	ND	4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C	
sec-Butylbenzene	ND	4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C	
Styrene	ND	4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C	
tert-Butylbenzene	ND	4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C	
Tetrachloroethene	ND	4.8	0.97	ug/Kg	1	11/09/18	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	9.7	2.4	ug/Kg	1	11/09/18	JLI	SW8260C	1
Toluene	ND	4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	9.7	2.4	ug/Kg	1	11/09/18	JLI	SW8260C	
Trichloroethene	ND	4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C	
Trichlorofluoromethane	ND	4.8	0.97	ug/Kg	1	11/09/18	JLI	SW8260C	
Trichlorotrifluoroethane	ND	4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C	
Vinyl chloride	ND	4.8	0.48	ug/Kg	1	11/09/18	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	101			%	1	11/09/18	JLI	70 - 130 %	
% Bromofluorobenzene	99			%	1	11/09/18	JLI	70 - 130 %	
% Dibromofluoromethane	102			%	1	11/09/18	JLI	70 - 130 %	
% Toluene-d8	96			%	1	11/09/18	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	73		ug/kg	1	11/09/18	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	101			%	1	11/09/18	JLI	70 - 130 %	
% Bromofluorobenzene	99			%	1	11/09/18	JLI	70 - 130 %	
% Toluene-d8	96			%	1	11/09/18	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	19		ug/Kg	1	11/09/18	JLI	SW8260C	
Acrolein	ND	4.8		ug/Kg	1	11/09/18	JLI	SW8260C	
Acrylonitrile	ND	19		ug/Kg	1	11/09/18	JLI	SW8260C	
Tert-butyl alcohol	ND	97		ug/Kg	1	11/09/18	JLI	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	11/08/18	WB	SW8270D	
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	1	11/08/18	WB	SW8270D	
1,2-Dichlorobenzene	ND	250	100	ug/Kg	1	11/08/18	WB	SW8270D	
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	1	11/08/18	WB	SW8270D	
1,3-Dichlorobenzene	ND	250	110	ug/Kg	1	11/08/18	WB	SW8270D	
1,4-Dichlorobenzene	ND	250	110	ug/Kg	1	11/08/18	WB	SW8270D	
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	1	11/08/18	WB	SW8270D	
2,4,6-Trichlorophenol	ND	180	120	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dimethylphenol	ND	250	90	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	11/08/18	WB	SW8270D	
2,6-Dinitrotoluene	ND	180	110	ug/Kg	1	11/08/18	WB	SW8270D	
2-Chloronaphthalene	ND	250	100	ug/Kg	1	11/08/18	WB	SW8270D	
2-Chlorophenol	ND	250	100	ug/Kg	1	11/08/18	WB	SW8270D	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB4 (5-7`)

Phoenix I.D.: CB90227

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2-Methylnaphthalene	ND	250	110	ug/Kg	1	11/08/18	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	11/08/18	WB	SW8270D	
2-Nitroaniline	ND	250	250	ug/Kg	1	11/08/18	WB	SW8270D	
2-Nitrophenol	ND	250	230	ug/Kg	1	11/08/18	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	11/08/18	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	11/08/18	WB	SW8270D	
3-Nitroaniline	ND	360	720	ug/Kg	1	11/08/18	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	220	72	ug/Kg	1	11/08/18	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	1	11/08/18	WB	SW8270D	
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	1	11/08/18	WB	SW8270D	
4-Chloroaniline	ND	290	170	ug/Kg	1	11/08/18	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	11/08/18	WB	SW8270D	
4-Nitroaniline	ND	360	120	ug/Kg	1	11/08/18	WB	SW8270D	
4-Nitrophenol	ND	360	160	ug/Kg	1	11/08/18	WB	SW8270D	
Acenaphthene	ND	250	110	ug/Kg	1	11/08/18	WB	SW8270D	
Acenaphthylene	ND	250	100	ug/Kg	1	11/08/18	WB	SW8270D	
Acetophenone	ND	250	110	ug/Kg	1	11/08/18	WB	SW8270D	
Aniline	ND	290	290	ug/Kg	1	11/08/18	WB	SW8270D	
Anthracene	ND	250	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benz(a)anthracene	ND	250	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzidine	ND	360	210	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(a)pyrene	ND	180	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(b)fluoranthene	ND	250	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(ghi)perylene	ND	250	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(k)fluoranthene	ND	250	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzoic acid	ND	1800	720	ug/Kg	1	11/08/18	WB	SW8270D	
Benzyl butyl phthalate	ND	250	93	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	250	100	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	180	98	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	250	100	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	11/08/18	WB	SW8270D	
Carbazole	ND	180	140	ug/Kg	1	11/08/18	WB	SW8270D	
Chrysene	ND	250	120	ug/Kg	1	11/08/18	WB	SW8270D	
Dibenz(a,h)anthracene	ND	180	120	ug/Kg	1	11/08/18	WB	SW8270D	
Dibenzofuran	ND	250	110	ug/Kg	1	11/08/18	WB	SW8270D	
Diethyl phthalate	ND	250	110	ug/Kg	1	11/08/18	WB	SW8270D	
Dimethylphthalate	ND	250	110	ug/Kg	1	11/08/18	WB	SW8270D	
Di-n-butylphthalate	ND	250	96	ug/Kg	1	11/08/18	WB	SW8270D	
Di-n-octylphthalate	ND	250	93	ug/Kg	1	11/08/18	WB	SW8270D	
Fluoranthene	ND	250	120	ug/Kg	1	11/08/18	WB	SW8270D	
Fluorene	ND	250	120	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachlorobenzene	ND	180	110	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachlorobutadiene	ND	250	130	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachloroethane	ND	180	110	ug/Kg	1	11/08/18	WB	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	1	11/08/18	WB	SW8270D	
Isophorone	ND	180	100	ug/Kg	1	11/08/18	WB	SW8270D	
Naphthalene	ND	250	100	ug/Kg	1	11/08/18	WB	SW8270D	
Nitrobenzene	ND	180	130	ug/Kg	1	11/08/18	WB	SW8270D	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB4 (5-7`)

Phoenix I.D.: CB90227

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	11/08/18	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND	180	120	ug/Kg	1	11/08/18	WB	SW8270D	
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	1	11/08/18	WB	SW8270D	
Pentachloronitrobenzene	ND	250	130	ug/Kg	1	11/08/18	WB	SW8270D	
Pentachlorophenol	ND	220	140	ug/Kg	1	11/08/18	WB	SW8270D	
Phenanthrene	ND	250	100	ug/Kg	1	11/08/18	WB	SW8270D	
Phenol	ND	250	120	ug/Kg	1	11/08/18	WB	SW8270D	
Pyrene	ND	250	120	ug/Kg	1	11/08/18	WB	SW8270D	
Pyridine	ND	250	89	ug/Kg	1	11/08/18	WB	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	48			%	1	11/08/18	WB	30 - 130 %	
% 2-Fluorobiphenyl	52			%	1	11/08/18	WB	30 - 130 %	
% 2-Fluorophenol	54			%	1	11/08/18	WB	30 - 130 %	
% Nitrobenzene-d5	53			%	1	11/08/18	WB	30 - 130 %	
% Phenol-d5	62			%	1	11/08/18	WB	30 - 130 %	
% Terphenyl-d14	54			%	1	11/08/18	WB	30 - 130 %	
Field Extraction	Completed					11/06/18		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (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 at RL/PQL
BRL=Below Reporting Level L=Biased Low 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.

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.
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Phyllis Shiller, Laboratory Director
November 15, 2018
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 15, 2018

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		11/06/18	
Location Code:	EBC	Received by:	CP	11/07/18	16:24
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCB90220
Phoenix ID: CB90228

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB5 (2-4`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.37	0.37		mg/Kg	1	11/09/18	EK	SW6010C
Aluminum	9210	37		mg/Kg	10	11/08/18	EK	SW6010C
Arsenic	2.89	0.74		mg/Kg	1	11/09/18	EK	SW6010C
Barium	74.5	0.7		mg/Kg	1	11/09/18	EK	SW6010C
Beryllium	0.46	0.30		mg/Kg	1	11/09/18	EK	SW6010C
Calcium	9880	3.7		mg/Kg	1	11/09/18	EK	SW6010C
Cadmium	0.54	0.37		mg/Kg	1	11/09/18	EK	SW6010C
Cobalt	7.61	0.37		mg/Kg	1	11/09/18	EK	SW6010C
Chromium	20.7	0.37		mg/Kg	1	11/09/18	EK	SW6010C
Copper	22.9	0.7		mg/kg	1	11/09/18	EK	SW6010C
Iron	21700	37		mg/Kg	10	11/08/18	EK	SW6010C
Mercury	0.08	0.03		mg/Kg	1	11/08/18	RS	SW7471B
Potassium	1600	7		mg/Kg	1	11/09/18	EK	SW6010C
Magnesium	2820	3.7		mg/Kg	1	11/09/18	EK	SW6010C
Manganese	384	3.7		mg/Kg	10	11/08/18	EK	SW6010C
Sodium	257	7		mg/Kg	1	11/09/18	EK	SW6010C
Nickel	13.2	0.37		mg/Kg	1	11/09/18	EK	SW6010C
Lead	68.3	0.7		mg/Kg	1	11/09/18	EK	SW6010C
Antimony	< 3.7	3.7		mg/Kg	1	11/09/18	EK	SW6010C
Selenium	< 1.5	1.5		mg/Kg	1	11/09/18	EK	SW6010C
Thallium	< 1.5	1.5		mg/Kg	1	11/09/18	EK	SW6010C
Vanadium	32.6	0.37		mg/Kg	1	11/09/18	EK	SW6010C
Zinc	193	7.4		mg/Kg	10	11/08/18	EK	SW6010C
Percent Solid	91			%		11/07/18	AK	SW846-%Solid
Soil Extraction for PCB	Completed					11/08/18	MJ/V	SW3545A
Soil Extraction for Pesticides	Completed					11/08/18	MJ/V	SW3545A
Soil Extraction for SVOA	Completed					11/07/18	JJ/CKV	SW3545A
Mercury Digestion	Completed					11/08/18	EV/Q	SW7471B

Ver 1

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB5 (2-4`)

Phoenix I.D.: CB90228

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed					11/07/18	CK/AG/BF	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	73	73	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1221	ND	73	73	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1232	ND	73	73	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1242	ND	73	73	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1248	ND	73	73	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1254	ND	73	73	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1260	ND	73	73	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1262	ND	73	73	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1268	ND	73	73	ug/Kg	2	11/09/18	AW	SW8082A
QA/QC Surrogates								
% DCBP	90			%	2	11/09/18	AW	30 - 150 %
% TCMX	90			%	2	11/09/18	AW	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.2		ug/Kg	2	11/12/18	CW	SW8081B
4,4' -DDE	ND	2.2		ug/Kg	2	11/12/18	CW	SW8081B
4,4' -DDT	ND	2.2		ug/Kg	2	11/12/18	CW	SW8081B
a-BHC	ND	7.3		ug/Kg	2	11/12/18	CW	SW8081B
a-Chlordane	ND	3.6		ug/Kg	2	11/12/18	CW	SW8081B
Aldrin	ND	3.6		ug/Kg	2	11/12/18	CW	SW8081B
b-BHC	ND	7.3		ug/Kg	2	11/12/18	CW	SW8081B
Chlordane	ND	36		ug/Kg	2	11/12/18	CW	SW8081B
d-BHC	ND	7.3		ug/Kg	2	11/12/18	CW	SW8081B
Dieldrin	ND	3.6		ug/Kg	2	11/12/18	CW	SW8081B
Endosulfan I	ND	7.3		ug/Kg	2	11/12/18	CW	SW8081B
Endosulfan II	ND	7.3		ug/Kg	2	11/12/18	CW	SW8081B
Endosulfan sulfate	ND	7.3		ug/Kg	2	11/12/18	CW	SW8081B
Endrin	ND	7.3		ug/Kg	2	11/12/18	CW	SW8081B
Endrin aldehyde	ND	7.3		ug/Kg	2	11/12/18	CW	SW8081B
Endrin ketone	ND	7.3		ug/Kg	2	11/12/18	CW	SW8081B
g-BHC	ND	1.5		ug/Kg	2	11/12/18	CW	SW8081B
g-Chlordane	ND	3.6		ug/Kg	2	11/12/18	CW	SW8081B
Heptachlor	ND	7.3		ug/Kg	2	11/12/18	CW	SW8081B
Heptachlor epoxide	ND	7.3		ug/Kg	2	11/12/18	CW	SW8081B
Methoxychlor	ND	36		ug/Kg	2	11/12/18	CW	SW8081B
Toxaphene	ND	150		ug/Kg	2	11/12/18	CW	SW8081B
QA/QC Surrogates								
% DCBP	59			%	2	11/12/18	CW	30 - 150 %
% TCMX	52			%	2	11/12/18	CW	30 - 150 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	3.0	0.60	ug/Kg	1	11/10/18	JLI	SW8260C
1,1,1-Trichloroethane	ND	3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	3.0	0.60	ug/Kg	1	11/10/18	JLI	SW8260C
1,1,2-Trichloroethane	ND	3.0	0.60	ug/Kg	1	11/10/18	JLI	SW8260C
1,1-Dichloroethane	ND	3.0	0.60	ug/Kg	1	11/10/18	JLI	SW8260C
1,1-Dichloroethene	ND	3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB5 (2-4`)

Phoenix I.D.: CB90228

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloropropene	ND		3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		3.0	0.60	ug/Kg	1	11/10/18	JLI	SW8260C	
1,2,3-Trichloropropane	ND		3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		3.0	0.60	ug/Kg	1	11/10/18	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND		3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		3.0	0.60	ug/Kg	1	11/10/18	JLI	SW8260C	
1,2-Dibromoethane	ND		3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C	
1,2-Dichlorobenzene	ND		3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C	
1,2-Dichloroethane	ND		3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C	
1,2-Dichloropropane	ND		3.0	0.60	ug/Kg	1	11/10/18	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND		3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C	
1,3-Dichlorobenzene	ND		3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C	
1,3-Dichloropropane	ND		3.0	0.60	ug/Kg	1	11/10/18	JLI	SW8260C	
1,4-Dichlorobenzene	ND		3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C	
2,2-Dichloropropane	ND		3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C	
2-Chlorotoluene	ND		3.0	0.60	ug/Kg	1	11/10/18	JLI	SW8260C	
2-Hexanone	ND		15	3.0	ug/Kg	1	11/10/18	JLI	SW8260C	
2-Isopropyltoluene	ND		3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C	1
4-Chlorotoluene	ND		3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C	
4-Methyl-2-pentanone	ND		15	3.0	ug/Kg	1	11/10/18	JLI	SW8260C	
Acetone	9.1	JS	15	3.0	ug/Kg	1	11/10/18	JLI	SW8260C	
Acrylonitrile	ND		6.0	0.60	ug/Kg	1	11/10/18	JLI	SW8260C	
Benzene	ND		3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C	
Bromobenzene	ND		3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C	
Bromochloromethane	ND		3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C	
Bromodichloromethane	ND		3.0	0.60	ug/Kg	1	11/10/18	JLI	SW8260C	
Bromoform	ND		3.0	0.60	ug/Kg	1	11/10/18	JLI	SW8260C	
Bromomethane	ND		3.0	1.2	ug/Kg	1	11/10/18	JLI	SW8260C	
Carbon Disulfide	ND		3.0	0.60	ug/Kg	1	11/10/18	JLI	SW8260C	
Carbon tetrachloride	ND		3.0	0.60	ug/Kg	1	11/10/18	JLI	SW8260C	
Chlorobenzene	ND		3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C	
Chloroethane	ND		3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C	
Chloroform	ND		3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C	
Chloromethane	ND		3.0	0.60	ug/Kg	1	11/10/18	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C	
Dibromochloromethane	ND		3.0	0.60	ug/Kg	1	11/10/18	JLI	SW8260C	
Dibromomethane	ND		3.0	0.60	ug/Kg	1	11/10/18	JLI	SW8260C	
Dichlorodifluoromethane	ND		3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C	
Ethylbenzene	ND		3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C	
Hexachlorobutadiene	ND		3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C	
Isopropylbenzene	ND		3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C	
m&p-Xylene	ND		3.0	0.60	ug/Kg	1	11/10/18	JLI	SW8260C	
Methyl Ethyl Ketone	ND		18	3.0	ug/Kg	1	11/10/18	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		6.0	0.60	ug/Kg	1	11/10/18	JLI	SW8260C	
Methylene chloride	ND		3.0	3.0	ug/Kg	1	11/10/18	JLI	SW8260C	
Naphthalene	ND		3.0	0.60	ug/Kg	1	11/10/18	JLI	SW8260C	
n-Butylbenzene	ND		3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C	
n-Propylbenzene	ND		3.0	0.60	ug/Kg	1	11/10/18	JLI	SW8260C	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB5 (2-4`)

Phoenix I.D.: CB90228

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
o-Xylene	ND	3.0	0.60	ug/Kg	1	11/10/18	JLI	SW8260C	
p-Isopropyltoluene	ND	3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C	
sec-Butylbenzene	ND	3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C	
Styrene	ND	3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C	
tert-Butylbenzene	ND	3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C	
Tetrachloroethene	ND	3.0	0.60	ug/Kg	1	11/10/18	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	6.0	1.5	ug/Kg	1	11/10/18	JLI	SW8260C	1
Toluene	ND	3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	6.0	1.5	ug/Kg	1	11/10/18	JLI	SW8260C	
Trichloroethene	ND	3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C	
Trichlorofluoromethane	ND	3.0	0.60	ug/Kg	1	11/10/18	JLI	SW8260C	
Trichlorotrifluoroethane	ND	3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C	
Vinyl chloride	ND	3.0	0.30	ug/Kg	1	11/10/18	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100			%	1	11/10/18	JLI	70 - 130 %	
% Bromofluorobenzene	97			%	1	11/10/18	JLI	70 - 130 %	
% Dibromofluoromethane	101			%	1	11/10/18	JLI	70 - 130 %	
% Toluene-d8	96			%	1	11/10/18	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	45		ug/kg	1	11/10/18	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100			%	1	11/10/18	JLI	70 - 130 %	
% Bromofluorobenzene	97			%	1	11/10/18	JLI	70 - 130 %	
% Toluene-d8	96			%	1	11/10/18	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	12		ug/Kg	1	11/10/18	JLI	SW8260C	
Acrolein	ND	3.0		ug/Kg	1	11/10/18	JLI	SW8260C	
Acrylonitrile	ND	12		ug/Kg	1	11/10/18	JLI	SW8260C	
Tert-butyl alcohol	ND	60		ug/Kg	1	11/10/18	JLI	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	11/08/18	WB	SW8270D	
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	1	11/08/18	WB	SW8270D	
1,2-Dichlorobenzene	ND	260	100	ug/Kg	1	11/08/18	WB	SW8270D	
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	1	11/08/18	WB	SW8270D	
1,3-Dichlorobenzene	ND	260	110	ug/Kg	1	11/08/18	WB	SW8270D	
1,4-Dichlorobenzene	ND	260	110	ug/Kg	1	11/08/18	WB	SW8270D	
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	1	11/08/18	WB	SW8270D	
2,4,6-Trichlorophenol	ND	180	120	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dimethylphenol	ND	260	91	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	11/08/18	WB	SW8270D	
2,6-Dinitrotoluene	ND	180	120	ug/Kg	1	11/08/18	WB	SW8270D	
2-Chloronaphthalene	ND	260	100	ug/Kg	1	11/08/18	WB	SW8270D	
2-Chlorophenol	ND	260	100	ug/Kg	1	11/08/18	WB	SW8270D	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB5 (2-4`)

Phoenix I.D.: CB90228

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2-Methylnaphthalene	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
2-Methylphenol (o-cresol)	ND		260	170	ug/Kg	1	11/08/18	WB	SW8270D	
2-Nitroaniline	ND		260	260	ug/Kg	1	11/08/18	WB	SW8270D	
2-Nitrophenol	ND		260	230	ug/Kg	1	11/08/18	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		260	140	ug/Kg	1	11/08/18	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND		180	170	ug/Kg	1	11/08/18	WB	SW8270D	
3-Nitroaniline	ND		370	730	ug/Kg	1	11/08/18	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND		220	73	ug/Kg	1	11/08/18	WB	SW8270D	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	1	11/08/18	WB	SW8270D	
4-Chloroaniline	ND		290	170	ug/Kg	1	11/08/18	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
4-Nitroaniline	ND		370	120	ug/Kg	1	11/08/18	WB	SW8270D	
4-Nitrophenol	ND		370	170	ug/Kg	1	11/08/18	WB	SW8270D	
Acenaphthene	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Acenaphthylene	ND		260	100	ug/Kg	1	11/08/18	WB	SW8270D	
Acetophenone	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Aniline	ND		290	290	ug/Kg	1	11/08/18	WB	SW8270D	
Anthracene	ND		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benz(a)anthracene	190	J	260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzidine	ND		370	210	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(a)pyrene	190		180	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(b)fluoranthene	170	J	260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(ghi)perylene	150	J	260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(k)fluoranthene	170	J	260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzoic acid	ND		1800	730	ug/Kg	1	11/08/18	WB	SW8270D	
Benzyl butyl phthalate	ND		260	94	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-chloroethyl)ether	ND		180	99	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Carbazole	ND		180	150	ug/Kg	1	11/08/18	WB	SW8270D	
Chrysene	210	J	260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Dibenz(a,h)anthracene	ND		180	120	ug/Kg	1	11/08/18	WB	SW8270D	
Dibenzofuran	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Diethyl phthalate	ND		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Dimethylphthalate	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Di-n-butylphthalate	ND		260	97	ug/Kg	1	11/08/18	WB	SW8270D	
Di-n-octylphthalate	ND		260	94	ug/Kg	1	11/08/18	WB	SW8270D	
Fluoranthene	360		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Fluorene	ND		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachlorobenzene	ND		180	110	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachlorobutadiene	ND		260	130	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachlorocyclopentadiene	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachloroethane	ND		180	110	ug/Kg	1	11/08/18	WB	SW8270D	
Indeno(1,2,3-cd)pyrene	130	J	260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Isophorone	ND		180	100	ug/Kg	1	11/08/18	WB	SW8270D	
Naphthalene	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Nitrobenzene	ND		180	130	ug/Kg	1	11/08/18	WB	SW8270D	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB5 (2-4`)

Phoenix I.D.: CB90228

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
N-Nitrosodimethylamine	ND		260	100	ug/Kg	1	11/08/18	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND		180	120	ug/Kg	1	11/08/18	WB	SW8270D	
N-Nitrosodiphenylamine	ND		260	140	ug/Kg	1	11/08/18	WB	SW8270D	
Pentachloronitrobenzene	ND		260	140	ug/Kg	1	11/08/18	WB	SW8270D	
Pentachlorophenol	ND		220	140	ug/Kg	1	11/08/18	WB	SW8270D	
Phenanthrene	200	J	260	100	ug/Kg	1	11/08/18	WB	SW8270D	
Phenol	ND		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Pyrene	390		260	130	ug/Kg	1	11/08/18	WB	SW8270D	
Pyridine	ND		260	90	ug/Kg	1	11/08/18	WB	SW8270D	
QA/QC Surrogates										
% 2,4,6-Tribromophenol	49				%	1	11/08/18	WB	30 - 130 %	
% 2-Fluorobiphenyl	52				%	1	11/08/18	WB	30 - 130 %	
% 2-Fluorophenol	67				%	1	11/08/18	WB	30 - 130 %	
% Nitrobenzene-d5	52				%	1	11/08/18	WB	30 - 130 %	
% Phenol-d5	67				%	1	11/08/18	WB	30 - 130 %	
% Terphenyl-d14	55				%	1	11/08/18	WB	30 - 130 %	
Field Extraction	Completed						11/06/18		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (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 at RL/PQL
BRL=Below Reporting Level L=Biased Low 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.

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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
November 15, 2018
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 15, 2018

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		11/06/18	
Location Code:	EBC	Received by:	CP	11/07/18	16:24
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCB90220
Phoenix ID: CB90229

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB5 (5-7`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.34	0.34		mg/Kg	1	11/09/18	EK	SW6010C
Aluminum	10800	34		mg/Kg	10	11/08/18	EK	SW6010C
Arsenic	2.59	0.69		mg/Kg	1	11/09/18	EK	SW6010C
Barium	39.6	0.7		mg/Kg	1	11/09/18	EK	SW6010C
Beryllium	0.52	0.27		mg/Kg	1	11/09/18	EK	SW6010C
Calcium	3510	3.4		mg/Kg	1	11/09/18	EK	SW6010C
Cadmium	0.40	0.34		mg/Kg	1	11/09/18	EK	SW6010C
Cobalt	9.36	0.34		mg/Kg	1	11/09/18	EK	SW6010C
Chromium	27.2	0.34		mg/Kg	1	11/09/18	EK	SW6010C
Copper	21.6	0.7		mg/kg	1	11/09/18	EK	SW6010C
Iron	24200	34		mg/Kg	10	11/08/18	EK	SW6010C
Mercury	< 0.03	0.03		mg/Kg	1	11/08/18	RS	SW7471B
Potassium	2090	7		mg/Kg	1	11/09/18	EK	SW6010C
Magnesium	3440	3.4		mg/Kg	1	11/09/18	EK	SW6010C
Manganese	372	3.4		mg/Kg	10	11/08/18	EK	SW6010C
Sodium	170	7		mg/Kg	1	11/09/18	EK	SW6010C
Nickel	15.3	0.34		mg/Kg	1	11/09/18	EK	SW6010C
Lead	13.8	0.7		mg/Kg	1	11/09/18	EK	SW6010C
Antimony	< 3.4	3.4		mg/Kg	1	11/09/18	EK	SW6010C
Selenium	< 1.4	1.4		mg/Kg	1	11/09/18	EK	SW6010C
Thallium	< 1.4	1.4		mg/Kg	1	11/09/18	EK	SW6010C
Vanadium	38.9	0.34		mg/Kg	1	11/09/18	EK	SW6010C
Zinc	57.3	0.7		mg/Kg	1	11/09/18	EK	SW6010C
Percent Solid	89			%		11/07/18	AK	SW846-%Solid
Soil Extraction for PCB	Completed					11/08/18	MJ/V	SW3545A
Soil Extraction for Pesticides	Completed					11/08/18	MJ/V	SW3545A
Soil Extraction for SVOA	Completed					11/07/18	JJ/CKV	SW3545A
Mercury Digestion	Completed					11/08/18	EV/Q	SW7471B

Ver 1

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB5 (5-7`)

Phoenix I.D.: CB90229

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed					11/07/18	CK/AG/BF	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	74	74	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1221	ND	74	74	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1232	ND	74	74	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1242	ND	74	74	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1248	ND	74	74	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1254	ND	74	74	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1260	ND	74	74	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1262	ND	74	74	ug/Kg	2	11/09/18	AW	SW8082A
PCB-1268	ND	74	74	ug/Kg	2	11/09/18	AW	SW8082A
QA/QC Surrogates								
% DCBP	100			%	2	11/09/18	AW	30 - 150 %
% TCMX	94			%	2	11/09/18	AW	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.2		ug/Kg	2	11/09/18	CW	SW8081B
4,4' -DDE	ND	2.2		ug/Kg	2	11/09/18	CW	SW8081B
4,4' -DDT	ND	2.2		ug/Kg	2	11/09/18	CW	SW8081B
a-BHC	ND	7.4		ug/Kg	2	11/09/18	CW	SW8081B
a-Chlordane	ND	3.7		ug/Kg	2	11/09/18	CW	SW8081B
Aldrin	ND	3.7		ug/Kg	2	11/09/18	CW	SW8081B
b-BHC	ND	7.4		ug/Kg	2	11/09/18	CW	SW8081B
Chlordane	ND	37		ug/Kg	2	11/09/18	CW	SW8081B
d-BHC	ND	7.4		ug/Kg	2	11/09/18	CW	SW8081B
Dieldrin	ND	3.7		ug/Kg	2	11/09/18	CW	SW8081B
Endosulfan I	ND	7.4		ug/Kg	2	11/09/18	CW	SW8081B
Endosulfan II	ND	7.4		ug/Kg	2	11/09/18	CW	SW8081B
Endosulfan sulfate	ND	7.4		ug/Kg	2	11/09/18	CW	SW8081B
Endrin	ND	7.4		ug/Kg	2	11/09/18	CW	SW8081B
Endrin aldehyde	ND	7.4		ug/Kg	2	11/09/18	CW	SW8081B
Endrin ketone	ND	7.4		ug/Kg	2	11/09/18	CW	SW8081B
g-BHC	ND	1.5		ug/Kg	2	11/09/18	CW	SW8081B
g-Chlordane	ND	3.7		ug/Kg	2	11/09/18	CW	SW8081B
Heptachlor	ND	7.4		ug/Kg	2	11/09/18	CW	SW8081B
Heptachlor epoxide	ND	7.4		ug/Kg	2	11/09/18	CW	SW8081B
Methoxychlor	ND	37		ug/Kg	2	11/09/18	CW	SW8081B
Toxaphene	ND	150		ug/Kg	2	11/09/18	CW	SW8081B
QA/QC Surrogates								
% DCBP	88			%	2	11/09/18	CW	30 - 150 %
% TCMX	76			%	2	11/09/18	CW	30 - 150 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	6.5	1.3	ug/Kg	1	11/09/18	PS	SW8260C
1,1,1-Trichloroethane	ND	6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C
1,1,2,2-Tetrachloroethane	ND	6.5	1.3	ug/Kg	1	11/09/18	PS	SW8260C
1,1,2-Trichloroethane	ND	6.5	1.3	ug/Kg	1	11/09/18	PS	SW8260C
1,1-Dichloroethane	ND	6.5	1.3	ug/Kg	1	11/09/18	PS	SW8260C
1,1-Dichloroethene	ND	6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB5 (5-7`)

Phoenix I.D.: CB90229

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloropropene	ND		6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C	
1,2,3-Trichlorobenzene	ND		6.5	1.3	ug/Kg	1	11/09/18	PS	SW8260C	
1,2,3-Trichloropropane	ND		6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C	
1,2,4-Trichlorobenzene	ND		6.5	1.3	ug/Kg	1	11/09/18	PS	SW8260C	
1,2,4-Trimethylbenzene	ND		6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C	
1,2-Dibromo-3-chloropropane	ND		6.5	1.3	ug/Kg	1	11/09/18	PS	SW8260C	
1,2-Dibromoethane	ND		6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C	
1,2-Dichlorobenzene	ND		6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C	
1,2-Dichloroethane	ND		6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C	
1,2-Dichloropropane	ND		6.5	1.3	ug/Kg	1	11/09/18	PS	SW8260C	
1,3,5-Trimethylbenzene	ND		6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C	
1,3-Dichlorobenzene	ND		6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C	
1,3-Dichloropropane	ND		6.5	1.3	ug/Kg	1	11/09/18	PS	SW8260C	
1,4-Dichlorobenzene	ND		6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C	
2,2-Dichloropropane	ND		6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C	
2-Chlorotoluene	ND		6.5	1.3	ug/Kg	1	11/09/18	PS	SW8260C	
2-Hexanone	ND		33	6.5	ug/Kg	1	11/09/18	PS	SW8260C	
2-Isopropyltoluene	ND		6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C	1
4-Chlorotoluene	ND		6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C	
4-Methyl-2-pentanone	ND		33	6.5	ug/Kg	1	11/09/18	PS	SW8260C	
Acetone	23	JSL	28	5.7	ug/Kg	1	11/13/18	PS	SW8260C	
Acrylonitrile	ND		13	1.3	ug/Kg	1	11/09/18	PS	SW8260C	
Benzene	ND		6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C	
Bromobenzene	ND		6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C	
Bromochloromethane	ND		6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C	
Bromodichloromethane	ND		6.5	1.3	ug/Kg	1	11/09/18	PS	SW8260C	
Bromoform	ND		6.5	1.3	ug/Kg	1	11/09/18	PS	SW8260C	
Bromomethane	ND		6.5	2.6	ug/Kg	1	11/09/18	PS	SW8260C	
Carbon Disulfide	ND		6.5	1.3	ug/Kg	1	11/09/18	PS	SW8260C	
Carbon tetrachloride	ND		6.5	1.3	ug/Kg	1	11/09/18	PS	SW8260C	
Chlorobenzene	ND		6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C	
Chloroethane	ND		6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C	
Chloroform	ND		6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C	
Chloromethane	ND		6.5	1.3	ug/Kg	1	11/09/18	PS	SW8260C	
cis-1,2-Dichloroethene	ND		6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C	
cis-1,3-Dichloropropene	ND		6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C	
Dibromochloromethane	ND		6.5	1.3	ug/Kg	1	11/09/18	PS	SW8260C	
Dibromomethane	ND		6.5	1.3	ug/Kg	1	11/09/18	PS	SW8260C	
Dichlorodifluoromethane	ND		6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C	
Ethylbenzene	ND		6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C	
Hexachlorobutadiene	ND		6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C	
Isopropylbenzene	ND		6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C	
m&p-Xylene	ND		6.5	1.3	ug/Kg	1	11/09/18	PS	SW8260C	
Methyl Ethyl Ketone	ND		39	6.5	ug/Kg	1	11/09/18	PS	SW8260C	
Methyl t-butyl ether (MTBE)	ND		13	1.3	ug/Kg	1	11/09/18	PS	SW8260C	
Methylene chloride	ND		6.5	6.5	ug/Kg	1	11/09/18	PS	SW8260C	
Naphthalene	ND		6.5	1.3	ug/Kg	1	11/09/18	PS	SW8260C	
n-Butylbenzene	ND		6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C	
n-Propylbenzene	ND		6.5	1.3	ug/Kg	1	11/09/18	PS	SW8260C	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB5 (5-7`)

Phoenix I.D.: CB90229

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
o-Xylene	ND		6.5	1.3	ug/Kg	1	11/09/18	PS	SW8260C	
p-Isopropyltoluene	ND		6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C	
sec-Butylbenzene	ND		6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C	
Styrene	ND		6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C	
tert-Butylbenzene	ND		6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C	
Tetrachloroethene	ND		6.5	1.3	ug/Kg	1	11/09/18	PS	SW8260C	
Tetrahydrofuran (THF)	ND		13	3.3	ug/Kg	1	11/09/18	PS	SW8260C	1
Toluene	0.96	J	6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C	
trans-1,2-Dichloroethene	ND		6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C	
trans-1,3-Dichloropropene	ND		6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C	
trans-1,4-dichloro-2-butene	ND		13	3.3	ug/Kg	1	11/09/18	PS	SW8260C	
Trichloroethene	ND		6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C	
Trichlorofluoromethane	ND		6.5	1.3	ug/Kg	1	11/09/18	PS	SW8260C	
Trichlorotrifluoroethane	ND		6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C	
Vinyl chloride	ND		6.5	0.65	ug/Kg	1	11/09/18	PS	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	101				%	1	11/09/18	PS	70 - 130 %	
% Bromofluorobenzene	99				%	1	11/09/18	PS	70 - 130 %	
% Dibromofluoromethane	101				%	1	11/09/18	PS	70 - 130 %	
% Toluene-d8	96				%	1	11/09/18	PS	70 - 130 %	
1,4-dioxane										
1,4-dioxane	ND		98		ug/kg	1	11/09/18	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	101				%	1	11/09/18	JLI	70 - 130 %	
% Bromofluorobenzene	99				%	1	11/09/18	JLI	70 - 130 %	
% Toluene-d8	96				%	1	11/09/18	JLI	70 - 130 %	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		26		ug/Kg	1	11/09/18	JLI	SW8260C	
Acrolein	ND		6.5		ug/Kg	1	11/09/18	JLI	SW8260C	
Acrylonitrile	ND		26		ug/Kg	1	11/09/18	JLI	SW8260C	
Tert-butyl alcohol	ND		130		ug/Kg	1	11/09/18	JLI	SW8260C	
Semivolatiles										
1,2,4,5-Tetrachlorobenzene	ND		260	130	ug/Kg	1	11/08/18	WB	SW8270D	
1,2,4-Trichlorobenzene	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
1,2-Dichlorobenzene	ND		260	100	ug/Kg	1	11/08/18	WB	SW8270D	
1,2-Diphenylhydrazine	ND		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
1,3-Dichlorobenzene	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
1,4-Dichlorobenzene	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
2,4,5-Trichlorophenol	ND		260	200	ug/Kg	1	11/08/18	WB	SW8270D	
2,4,6-Trichlorophenol	ND		180	120	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dichlorophenol	ND		180	130	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dimethylphenol	ND		260	92	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dinitrophenol	ND		260	260	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dinitrotoluene	ND		180	150	ug/Kg	1	11/08/18	WB	SW8270D	
2,6-Dinitrotoluene	ND		180	120	ug/Kg	1	11/08/18	WB	SW8270D	
2-Chloronaphthalene	ND		260	100	ug/Kg	1	11/08/18	WB	SW8270D	
2-Chlorophenol	ND		260	100	ug/Kg	1	11/08/18	WB	SW8270D	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB5 (5-7`)

Phoenix I.D.: CB90229

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2-Methylnaphthalene	ND	260	110	ug/Kg	1	11/08/18	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	1	11/08/18	WB	SW8270D	
2-Nitroaniline	ND	260	260	ug/Kg	1	11/08/18	WB	SW8270D	
2-Nitrophenol	ND	260	230	ug/Kg	1	11/08/18	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	1	11/08/18	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	11/08/18	WB	SW8270D	
3-Nitroaniline	ND	370	740	ug/Kg	1	11/08/18	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	220	74	ug/Kg	1	11/08/18	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	11/08/18	WB	SW8270D	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	11/08/18	WB	SW8270D	
4-Chloroaniline	ND	300	170	ug/Kg	1	11/08/18	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	1	11/08/18	WB	SW8270D	
4-Nitroaniline	ND	370	120	ug/Kg	1	11/08/18	WB	SW8270D	
4-Nitrophenol	ND	370	170	ug/Kg	1	11/08/18	WB	SW8270D	
Acenaphthene	ND	260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Acenaphthylene	ND	260	100	ug/Kg	1	11/08/18	WB	SW8270D	
Acetophenone	ND	260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Aniline	ND	300	300	ug/Kg	1	11/08/18	WB	SW8270D	
Anthracene	ND	260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benz(a)anthracene	ND	260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzidine	ND	370	220	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(a)pyrene	ND	180	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(b)fluoranthene	ND	260	130	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(ghi)perylene	ND	260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(k)fluoranthene	ND	260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzoic acid	ND	1800	740	ug/Kg	1	11/08/18	WB	SW8270D	
Benzyl butyl phthalate	ND	260	95	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	180	100	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Carbazole	ND	180	150	ug/Kg	1	11/08/18	WB	SW8270D	
Chrysene	ND	260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Dibenz(a,h)anthracene	ND	180	120	ug/Kg	1	11/08/18	WB	SW8270D	
Dibenzofuran	ND	260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Diethyl phthalate	ND	260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Dimethylphthalate	ND	260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Di-n-butylphthalate	ND	260	98	ug/Kg	1	11/08/18	WB	SW8270D	
Di-n-octylphthalate	ND	260	95	ug/Kg	1	11/08/18	WB	SW8270D	
Fluoranthene	ND	260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Fluorene	ND	260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachlorobenzene	ND	180	110	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachlorobutadiene	ND	260	130	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachloroethane	ND	180	110	ug/Kg	1	11/08/18	WB	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Isophorone	ND	180	100	ug/Kg	1	11/08/18	WB	SW8270D	
Naphthalene	ND	260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Nitrobenzene	ND	180	130	ug/Kg	1	11/08/18	WB	SW8270D	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: 18SB5 (5-7`)

Phoenix I.D.: CB90229

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
N-Nitrosodimethylamine	ND	260	100	ug/Kg	1	11/08/18	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND	180	120	ug/Kg	1	11/08/18	WB	SW8270D	
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	1	11/08/18	WB	SW8270D	
Pentachloronitrobenzene	ND	260	140	ug/Kg	1	11/08/18	WB	SW8270D	
Pentachlorophenol	ND	220	140	ug/Kg	1	11/08/18	WB	SW8270D	
Phenanthrene	ND	260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Phenol	ND	260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Pyrene	ND	260	130	ug/Kg	1	11/08/18	WB	SW8270D	
Pyridine	ND	260	91	ug/Kg	1	11/08/18	WB	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	52			%	1	11/08/18	WB	30 - 130 %	
% 2-Fluorobiphenyl	49			%	1	11/08/18	WB	30 - 130 %	
% 2-Fluorophenol	63			%	1	11/08/18	WB	30 - 130 %	
% Nitrobenzene-d5	50			%	1	11/08/18	WB	30 - 130 %	
% Phenol-d5	65			%	1	11/08/18	WB	30 - 130 %	
% Terphenyl-d14	55			%	1	11/08/18	WB	30 - 130 %	
Field Extraction	Completed					11/06/18		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (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 at RL/PQL
BRL=Below Reporting Level L=Biased Low 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.

L - Acetone is reported from a Phoenix prepared low level. A negative bias is possible.

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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
November 15, 2018
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 15, 2018

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		11/06/18	
Location Code:	EBC	Received by:	CP	11/07/18	16:24
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCB90220
Phoenix ID: CB90230

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.35	0.35		mg/Kg	1	11/09/18	EK	SW6010C
Aluminum	8640	35		mg/Kg	10	11/08/18	EK	SW6010C
Arsenic	7.77	0.69		mg/Kg	1	11/09/18	EK	SW6010C
Barium	1020	0.7		mg/Kg	1	11/09/18	EK	SW6010C
Beryllium	0.40	0.28		mg/Kg	1	11/09/18	EK	SW6010C
Calcium	24200	35		mg/Kg	10	11/08/18	EK	SW6010C
Cadmium	1.32	0.35		mg/Kg	1	11/09/18	EK	SW6010C
Cobalt	6.10	0.35		mg/Kg	1	11/09/18	EK	SW6010C
Chromium	25.2	0.35		mg/Kg	1	11/09/18	EK	SW6010C
Copper	45.3	0.7		mg/kg	1	11/09/18	EK	SW6010C
Iron	26200	35		mg/Kg	10	11/08/18	EK	SW6010C
Mercury	0.37	0.07		mg/Kg	1	11/08/18	RS	SW7471B
Potassium	964	7		mg/Kg	1	11/09/18	EK	SW6010C
Magnesium	3600	3.5		mg/Kg	1	11/09/18	EK	SW6010C
Manganese	326	3.5		mg/Kg	10	11/08/18	EK	SW6010C
Sodium	541	7		mg/Kg	1	11/09/18	EK	SW6010C
Nickel	18.0	0.35		mg/Kg	1	11/09/18	EK	SW6010C
Lead	737	6.9		mg/Kg	10	11/08/18	EK	SW6010C
Antimony	< 3.5	3.5		mg/Kg	1	11/09/18	EK	SW6010C
Selenium	< 1.4	1.4		mg/Kg	1	11/09/18	EK	SW6010C
Thallium	< 1.4	1.4		mg/Kg	1	11/09/18	EK	SW6010C
Vanadium	30.6	0.35		mg/Kg	1	11/09/18	EK	SW6010C
Zinc	502	6.9		mg/Kg	10	11/08/18	EK	SW6010C
Percent Solid	87			%		11/07/18	AK	SW846-%Solid
Soil Extraction for PCB	Completed					11/08/18	MJ/V	SW3545A
Soil Extraction for Pesticides	Completed					11/08/18	MJ/V	SW3545A
Soil Extraction for SVOA	Completed					11/07/18	JJ/CKV	SW3545A
Mercury Digestion	Completed					11/08/18	EV/Q	SW7471B

Ver 1

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: DUPLICATE

Phoenix I.D.: CB90230

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed					11/07/18	CK/AG/BF	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	75	75	ug/Kg	2	11/10/18	AW	SW8082A
PCB-1221	ND	75	75	ug/Kg	2	11/10/18	AW	SW8082A
PCB-1232	ND	75	75	ug/Kg	2	11/10/18	AW	SW8082A
PCB-1242	ND	75	75	ug/Kg	2	11/10/18	AW	SW8082A
PCB-1248	ND	75	75	ug/Kg	2	11/10/18	AW	SW8082A
PCB-1254	ND	75	75	ug/Kg	2	11/10/18	AW	SW8082A
PCB-1260	ND	75	75	ug/Kg	2	11/10/18	AW	SW8082A
PCB-1262	ND	75	75	ug/Kg	2	11/10/18	AW	SW8082A
PCB-1268	ND	75	75	ug/Kg	2	11/10/18	AW	SW8082A
QA/QC Surrogates								
% DCBP	94			%	2	11/10/18	AW	30 - 150 %
% TCMX	85			%	2	11/10/18	AW	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	3.0		ug/Kg	2	11/09/18	PS	SW8081B
4,4' -DDE	22	2.2		ug/Kg	2	11/09/18	PS	SW8081B
4,4' -DDT	65	2.2		ug/Kg	2	11/09/18	PS	SW8081B
a-BHC	ND	7.5		ug/Kg	2	11/09/18	PS	SW8081B
a-Chlordane	ND	3.7		ug/Kg	2	11/09/18	PS	SW8081B
Aldrin	ND	3.7		ug/Kg	2	11/09/18	PS	SW8081B
b-BHC	ND	7.5		ug/Kg	2	11/09/18	PS	SW8081B
Chlordane	31	30		ug/Kg	2	11/09/18	PS	SW8081B
d-BHC	ND	7.5		ug/Kg	2	11/09/18	PS	SW8081B
Dieldrin	10	3.7		ug/Kg	2	11/09/18	PS	SW8081B
Endosulfan I	ND	7.5		ug/Kg	2	11/09/18	PS	SW8081B
Endosulfan II	ND	7.5		ug/Kg	2	11/09/18	PS	SW8081B
Endosulfan sulfate	ND	7.5		ug/Kg	2	11/09/18	PS	SW8081B
Endrin	ND	7.5		ug/Kg	2	11/09/18	PS	SW8081B
Endrin aldehyde	ND	7.5		ug/Kg	2	11/09/18	PS	SW8081B
Endrin ketone	ND	7.5		ug/Kg	2	11/09/18	PS	SW8081B
g-BHC	ND	1.5		ug/Kg	2	11/09/18	PS	SW8081B
g-Chlordane	ND	3.7		ug/Kg	2	11/09/18	PS	SW8081B
Heptachlor	ND	7.5		ug/Kg	2	11/09/18	PS	SW8081B
Heptachlor epoxide	ND	7.5		ug/Kg	2	11/09/18	PS	SW8081B
Methoxychlor	ND	37		ug/Kg	2	11/09/18	PS	SW8081B
Toxaphene	ND	150		ug/Kg	2	11/09/18	PS	SW8081B
QA/QC Surrogates								
% DCBP	79			%	2	11/09/18	PS	30 - 150 %
% TCMX	64			%	2	11/09/18	PS	30 - 150 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	9.4	1.9	ug/Kg	1	11/09/18	JLI	SW8260C
1,1,1-Trichloroethane	ND	9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	9.4	1.9	ug/Kg	1	11/09/18	JLI	SW8260C
1,1,2-Trichloroethane	ND	9.4	1.9	ug/Kg	1	11/09/18	JLI	SW8260C
1,1-Dichloroethane	ND	9.4	1.9	ug/Kg	1	11/09/18	JLI	SW8260C
1,1-Dichloroethene	ND	9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: DUPLICATE

Phoenix I.D.: CB90230

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloropropene	ND		9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		9.4	1.9	ug/Kg	1	11/09/18	JLI	SW8260C	
1,2,3-Trichloropropane	ND		9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		9.4	1.9	ug/Kg	1	11/09/18	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND		9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		9.4	1.9	ug/Kg	1	11/09/18	JLI	SW8260C	
1,2-Dibromoethane	ND		9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C	
1,2-Dichlorobenzene	ND		9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C	
1,2-Dichloroethane	ND		9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C	
1,2-Dichloropropane	ND		9.4	1.9	ug/Kg	1	11/09/18	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND		9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C	
1,3-Dichlorobenzene	ND		9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C	
1,3-Dichloropropane	ND		9.4	1.9	ug/Kg	1	11/09/18	JLI	SW8260C	
1,4-Dichlorobenzene	ND		9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C	
2,2-Dichloropropane	ND		9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C	
2-Chlorotoluene	ND		9.4	1.9	ug/Kg	1	11/09/18	JLI	SW8260C	
2-Hexanone	ND		47	9.4	ug/Kg	1	11/09/18	JLI	SW8260C	
2-Isopropyltoluene	ND		9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C	1
4-Chlorotoluene	ND		9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C	
4-Methyl-2-pentanone	ND		47	9.4	ug/Kg	1	11/09/18	JLI	SW8260C	
Acetone	10	JS	47	9.4	ug/Kg	1	11/09/18	JLI	SW8260C	
Acrylonitrile	ND		19	1.9	ug/Kg	1	11/09/18	JLI	SW8260C	
Benzene	ND		9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C	
Bromobenzene	ND		9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C	
Bromochloromethane	ND		9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C	
Bromodichloromethane	ND		9.4	1.9	ug/Kg	1	11/09/18	JLI	SW8260C	
Bromoform	ND		9.4	1.9	ug/Kg	1	11/09/18	JLI	SW8260C	
Bromomethane	ND		9.4	3.8	ug/Kg	1	11/09/18	JLI	SW8260C	
Carbon Disulfide	ND		9.4	1.9	ug/Kg	1	11/09/18	JLI	SW8260C	
Carbon tetrachloride	ND		9.4	1.9	ug/Kg	1	11/09/18	JLI	SW8260C	
Chlorobenzene	ND		9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C	
Chloroethane	ND		9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C	
Chloroform	ND		9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C	
Chloromethane	ND		9.4	1.9	ug/Kg	1	11/09/18	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C	
Dibromochloromethane	ND		9.4	1.9	ug/Kg	1	11/09/18	JLI	SW8260C	
Dibromomethane	ND		9.4	1.9	ug/Kg	1	11/09/18	JLI	SW8260C	
Dichlorodifluoromethane	ND		9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C	
Ethylbenzene	ND		9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C	
Hexachlorobutadiene	ND		9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C	
Isopropylbenzene	ND		9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C	
m&p-Xylene	ND		9.4	1.9	ug/Kg	1	11/09/18	JLI	SW8260C	
Methyl Ethyl Ketone	ND		57	9.4	ug/Kg	1	11/09/18	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		19	1.9	ug/Kg	1	11/09/18	JLI	SW8260C	
Methylene chloride	ND		9.4	9.4	ug/Kg	1	11/09/18	JLI	SW8260C	
Naphthalene	ND		9.4	1.9	ug/Kg	1	11/09/18	JLI	SW8260C	
n-Butylbenzene	ND		9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C	
n-Propylbenzene	ND		9.4	1.9	ug/Kg	1	11/09/18	JLI	SW8260C	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: DUPLICATE

Phoenix I.D.: CB90230

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
o-Xylene	ND		9.4	1.9	ug/Kg	1	11/09/18	JLI	SW8260C	
p-Isopropyltoluene	ND		9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C	
sec-Butylbenzene	ND		9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C	
Styrene	ND		9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C	
tert-Butylbenzene	ND		9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C	
Tetrachloroethene	6.8	J	9.4	1.9	ug/Kg	1	11/09/18	JLI	SW8260C	
Tetrahydrofuran (THF)	ND		19	4.7	ug/Kg	1	11/09/18	JLI	SW8260C	1
Toluene	ND		9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C	
trans-1,2-Dichloroethene	ND		9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C	
trans-1,3-Dichloropropene	ND		9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND		19	4.7	ug/Kg	1	11/09/18	JLI	SW8260C	
Trichloroethene	ND		9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C	
Trichlorofluoromethane	ND		9.4	1.9	ug/Kg	1	11/09/18	JLI	SW8260C	
Trichlorotrifluoroethane	ND		9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C	
Vinyl chloride	ND		9.4	0.94	ug/Kg	1	11/09/18	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	100				%	1	11/09/18	JLI	70 - 130 %	
% Bromofluorobenzene	93				%	1	11/09/18	JLI	70 - 130 %	
% Dibromofluoromethane	100				%	1	11/09/18	JLI	70 - 130 %	
% Toluene-d8	95				%	1	11/09/18	JLI	70 - 130 %	
1,4-dioxane										
1,4-dioxane	ND		100		ug/kg	1	11/09/18	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	100				%	1	11/09/18	JLI	70 - 130 %	
% Bromofluorobenzene	93				%	1	11/09/18	JLI	70 - 130 %	
% Toluene-d8	95				%	1	11/09/18	JLI	70 - 130 %	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		38		ug/Kg	1	11/09/18	JLI	SW8260C	
Acrolein	ND		9.4		ug/Kg	1	11/09/18	JLI	SW8260C	
Acrylonitrile	ND		38		ug/Kg	1	11/09/18	JLI	SW8260C	
Tert-butyl alcohol	ND		190		ug/Kg	1	11/09/18	JLI	SW8260C	
Semivolatiles										
1,2,4,5-Tetrachlorobenzene	ND		260	130	ug/Kg	1	11/08/18	WB	SW8270D	
1,2,4-Trichlorobenzene	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
1,2-Dichlorobenzene	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
1,2-Diphenylhydrazine	ND		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
1,3-Dichlorobenzene	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
1,4-Dichlorobenzene	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
2,4,5-Trichlorophenol	ND		260	210	ug/Kg	1	11/08/18	WB	SW8270D	
2,4,6-Trichlorophenol	ND		190	120	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dichlorophenol	ND		190	130	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dimethylphenol	ND		260	93	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dinitrophenol	ND		260	260	ug/Kg	1	11/08/18	WB	SW8270D	
2,4-Dinitrotoluene	ND		190	150	ug/Kg	1	11/08/18	WB	SW8270D	
2,6-Dinitrotoluene	ND		190	120	ug/Kg	1	11/08/18	WB	SW8270D	
2-Chloronaphthalene	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
2-Chlorophenol	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: DUPLICATE

Phoenix I.D.: CB90230

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2-Methylnaphthalene	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
2-Methylphenol (o-cresol)	ND		260	180	ug/Kg	1	11/08/18	WB	SW8270D	
2-Nitroaniline	ND		260	260	ug/Kg	1	11/08/18	WB	SW8270D	
2-Nitrophenol	ND		260	240	ug/Kg	1	11/08/18	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		260	150	ug/Kg	1	11/08/18	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND		190	180	ug/Kg	1	11/08/18	WB	SW8270D	
3-Nitroaniline	ND		380	750	ug/Kg	1	11/08/18	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND		230	75	ug/Kg	1	11/08/18	WB	SW8270D	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	1	11/08/18	WB	SW8270D	
4-Chloroaniline	ND		300	180	ug/Kg	1	11/08/18	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND		260	130	ug/Kg	1	11/08/18	WB	SW8270D	
4-Nitroaniline	ND		380	130	ug/Kg	1	11/08/18	WB	SW8270D	
4-Nitrophenol	ND		380	170	ug/Kg	1	11/08/18	WB	SW8270D	
Acenaphthene	120	J	260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Acenaphthylene	130	J	260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Acetophenone	ND		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Aniline	ND		300	300	ug/Kg	1	11/08/18	WB	SW8270D	
Anthracene	320		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benz(a)anthracene	1000		260	130	ug/Kg	1	11/08/18	WB	SW8270D	
Benzidine	ND		380	220	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(a)pyrene	980		190	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(b)fluoranthene	890		260	130	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(ghi)perylene	580		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzo(k)fluoranthene	890		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Benzoic acid	ND		1900	750	ug/Kg	1	11/08/18	WB	SW8270D	
Benzyl butyl phthalate	ND		260	97	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-chloroethyl)ether	ND		190	100	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	1	11/08/18	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	200	J	260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Carbazole	220		190	150	ug/Kg	1	11/08/18	WB	SW8270D	
Chrysene	1100		260	130	ug/Kg	1	11/08/18	WB	SW8270D	
Dibenz(a,h)anthracene	200		190	120	ug/Kg	1	11/08/18	WB	SW8270D	
Dibenzofuran	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Diethyl phthalate	ND		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Dimethylphthalate	ND		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Di-n-butylphthalate	ND		260	100	ug/Kg	1	11/08/18	WB	SW8270D	
Di-n-octylphthalate	ND		260	97	ug/Kg	1	11/08/18	WB	SW8270D	
Fluoranthene	2000		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Fluorene	ND		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachlorobenzene	ND		190	110	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachlorobutadiene	ND		260	140	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachlorocyclopentadiene	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Hexachloroethane	ND		190	110	ug/Kg	1	11/08/18	WB	SW8270D	
Indeno(1,2,3-cd)pyrene	580		260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Isophorone	ND		190	110	ug/Kg	1	11/08/18	WB	SW8270D	
Naphthalene	ND		260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Nitrobenzene	ND		190	130	ug/Kg	1	11/08/18	WB	SW8270D	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: DUPLICATE

Phoenix I.D.: CB90230

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
N-Nitrosodimethylamine	ND	260	110	ug/Kg	1	11/08/18	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND	190	120	ug/Kg	1	11/08/18	WB	SW8270D	
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	1	11/08/18	WB	SW8270D	
Pentachloronitrobenzene	ND	260	140	ug/Kg	1	11/08/18	WB	SW8270D	
Pentachlorophenol	ND	230	140	ug/Kg	1	11/08/18	WB	SW8270D	
Phenanthrene	1400	260	110	ug/Kg	1	11/08/18	WB	SW8270D	
Phenol	ND	260	120	ug/Kg	1	11/08/18	WB	SW8270D	
Pyrene	1800	260	130	ug/Kg	1	11/08/18	WB	SW8270D	
Pyridine	ND	260	92	ug/Kg	1	11/08/18	WB	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	62			%	1	11/08/18	WB	30 - 130 %	
% 2-Fluorobiphenyl	51			%	1	11/08/18	WB	30 - 130 %	
% 2-Fluorophenol	53			%	1	11/08/18	WB	30 - 130 %	
% Nitrobenzene-d5	57			%	1	11/08/18	WB	30 - 130 %	
% Phenol-d5	67			%	1	11/08/18	WB	30 - 130 %	
% Terphenyl-d14	42			%	1	11/08/18	WB	30 - 130 %	
Field Extraction	Completed					11/06/18		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (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 at RL/PQL
BRL=Below Reporting Level L=Biased Low 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.

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.

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.
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Phyllis Shiller, Laboratory Director
November 15, 2018
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 15, 2018

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		11/06/18	
Location Code:	EBC	Received by:	CP	11/07/18	16:24
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCB90220
Phoenix ID: CB90231

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: TRIP BLANK HIGH

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	250	50	ug/Kg	50	11/09/18	JLI	SW8260C	
1,1,1-Trichloroethane	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	250	50	ug/Kg	50	11/09/18	JLI	SW8260C	
1,1,2-Trichloroethane	ND	250	50	ug/Kg	50	11/09/18	JLI	SW8260C	
1,1-Dichloroethane	ND	250	50	ug/Kg	50	11/09/18	JLI	SW8260C	
1,1-Dichloroethene	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	
1,1-Dichloropropene	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	250	50	ug/Kg	50	11/09/18	JLI	SW8260C	
1,2,3-Trichloropropane	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	250	50	ug/Kg	50	11/09/18	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	250	50	ug/Kg	50	11/09/18	JLI	SW8260C	
1,2-Dibromoethane	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	
1,2-Dichlorobenzene	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	
1,2-Dichloroethane	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	
1,2-Dichloropropane	ND	250	50	ug/Kg	50	11/09/18	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	
1,3-Dichlorobenzene	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	
1,3-Dichloropropane	ND	250	50	ug/Kg	50	11/09/18	JLI	SW8260C	
1,4-Dichlorobenzene	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	
2,2-Dichloropropane	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	
2-Chlorotoluene	ND	250	50	ug/Kg	50	11/09/18	JLI	SW8260C	
2-Hexanone	ND	1300	250	ug/Kg	50	11/09/18	JLI	SW8260C	
2-Isopropyltoluene	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	1
4-Chlorotoluene	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	
4-Methyl-2-pentanone	ND	1300	250	ug/Kg	50	11/09/18	JLI	SW8260C	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: TRIP BLANK HIGH

Phoenix I.D.: CB90231

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	1300	250	ug/Kg	50	11/09/18	JLI	SW8260C	
Acrylonitrile	ND	500	50	ug/Kg	50	11/09/18	JLI	SW8260C	
Benzene	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	
Bromobenzene	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	
Bromochloromethane	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	
Bromodichloromethane	ND	250	50	ug/Kg	50	11/09/18	JLI	SW8260C	
Bromoform	ND	250	50	ug/Kg	50	11/09/18	JLI	SW8260C	
Bromomethane	ND	250	100	ug/Kg	50	11/09/18	JLI	SW8260C	
Carbon Disulfide	ND	250	50	ug/Kg	50	11/09/18	JLI	SW8260C	
Carbon tetrachloride	ND	250	50	ug/Kg	50	11/09/18	JLI	SW8260C	
Chlorobenzene	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	
Chloroethane	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	
Chloroform	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	
Chloromethane	ND	250	50	ug/Kg	50	11/09/18	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	
Dibromochloromethane	ND	250	50	ug/Kg	50	11/09/18	JLI	SW8260C	
Dibromomethane	ND	250	50	ug/Kg	50	11/09/18	JLI	SW8260C	
Dichlorodifluoromethane	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	
Ethylbenzene	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	
Hexachlorobutadiene	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	
Isopropylbenzene	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	
m&p-Xylene	ND	250	50	ug/Kg	50	11/09/18	JLI	SW8260C	
Methyl Ethyl Ketone	ND	1500	250	ug/Kg	50	11/09/18	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	500	50	ug/Kg	50	11/09/18	JLI	SW8260C	
Methylene chloride	ND	250	250	ug/Kg	50	11/09/18	JLI	SW8260C	
Naphthalene	ND	250	50	ug/Kg	50	11/09/18	JLI	SW8260C	
n-Butylbenzene	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	
n-Propylbenzene	ND	250	50	ug/Kg	50	11/09/18	JLI	SW8260C	
o-Xylene	ND	250	50	ug/Kg	50	11/09/18	JLI	SW8260C	
p-Isopropyltoluene	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	
sec-Butylbenzene	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	
Styrene	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	
tert-Butylbenzene	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	
Tetrachloroethene	ND	250	50	ug/Kg	50	11/09/18	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	500	130	ug/Kg	50	11/09/18	JLI	SW8260C	1
Toluene	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	500	130	ug/Kg	50	11/09/18	JLI	SW8260C	
Trichloroethene	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	
Trichlorofluoromethane	ND	250	50	ug/Kg	50	11/09/18	JLI	SW8260C	
Trichlorotrifluoroethane	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	
Vinyl chloride	ND	250	25	ug/Kg	50	11/09/18	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	99			%	50	11/09/18	JLI	70 - 130 %	
% Bromofluorobenzene	99			%	50	11/09/18	JLI	70 - 130 %	
% Dibromofluoromethane	98			%	50	11/09/18	JLI	70 - 130 %	
% Toluene-d8	95			%	50	11/09/18	JLI	70 - 130 %	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY

Client ID: TRIP BLANK HIGH

Phoenix I.D.: CB90231

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Field Extraction	Completed					11/06/18		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (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 at RL/PQL
BRL=Below Reporting Level L=Biased Low 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:

TRIP BLANK INCLUDED.

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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.
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Phyllis Shiller, Laboratory Director

November 15, 2018

Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 15, 2018

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		11/06/18	
Location Code:	EBC	Received by:	CP	11/07/18	16:24
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCB90220
Phoenix ID: CB90232

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: TRIP BLANK LOW

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/Kg	1	11/09/18	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.0	1.0	ug/Kg	1	11/09/18	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.0	1.0	ug/Kg	1	11/09/18	JLI	SW8260C	
1,1-Dichloroethane	ND	5.0	1.0	ug/Kg	1	11/09/18	JLI	SW8260C	
1,1-Dichloroethene	ND	5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	
1,1-Dichloropropene	ND	5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.0	1.0	ug/Kg	1	11/09/18	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/Kg	1	11/09/18	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/Kg	1	11/09/18	JLI	SW8260C	
1,2-Dibromoethane	ND	5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	
1,2-Dichloroethane	ND	5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	
1,2-Dichloropropane	ND	5.0	1.0	ug/Kg	1	11/09/18	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	
1,3-Dichloropropane	ND	5.0	1.0	ug/Kg	1	11/09/18	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	
2,2-Dichloropropane	ND	5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	
2-Chlorotoluene	ND	5.0	1.0	ug/Kg	1	11/09/18	JLI	SW8260C	
2-Hexanone	ND	25	5.0	ug/Kg	1	11/09/18	JLI	SW8260C	
2-Isopropyltoluene	ND	5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	1
4-Chlorotoluene	ND	5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	
4-Methyl-2-pentanone	ND	25	5.0	ug/Kg	1	11/09/18	JLI	SW8260C	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY
Client ID: TRIP BLANK LOW

Phoenix I.D.: CB90232

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	12	JS	25	5.0	ug/Kg	1	11/09/18	JLI	SW8260C	
Acrylonitrile	ND		10	1.0	ug/Kg	1	11/09/18	JLI	SW8260C	
Benzene	ND		5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	
Bromobenzene	ND		5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	
Bromochloromethane	ND		5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	
Bromodichloromethane	ND		5.0	1.0	ug/Kg	1	11/09/18	JLI	SW8260C	
Bromoform	ND		5.0	1.0	ug/Kg	1	11/09/18	JLI	SW8260C	
Bromomethane	ND		5.0	2.0	ug/Kg	1	11/09/18	JLI	SW8260C	
Carbon Disulfide	ND		5.0	1.0	ug/Kg	1	11/09/18	JLI	SW8260C	
Carbon tetrachloride	ND		5.0	1.0	ug/Kg	1	11/09/18	JLI	SW8260C	
Chlorobenzene	ND		5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	
Chloroethane	ND		5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	
Chloroform	ND		5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	
Chloromethane	ND		5.0	1.0	ug/Kg	1	11/09/18	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	
Dibromochloromethane	ND		5.0	1.0	ug/Kg	1	11/09/18	JLI	SW8260C	
Dibromomethane	ND		5.0	1.0	ug/Kg	1	11/09/18	JLI	SW8260C	
Dichlorodifluoromethane	ND		5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	
Ethylbenzene	ND		5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	
Hexachlorobutadiene	ND		5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	
Isopropylbenzene	ND		5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	
m&p-Xylene	ND		5.0	1.0	ug/Kg	1	11/09/18	JLI	SW8260C	
Methyl Ethyl Ketone	ND		30	5.0	ug/Kg	1	11/09/18	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		10	1.0	ug/Kg	1	11/09/18	JLI	SW8260C	
Methylene chloride	ND		5.0	5.0	ug/Kg	1	11/09/18	JLI	SW8260C	
Naphthalene	ND		5.0	1.0	ug/Kg	1	11/09/18	JLI	SW8260C	
n-Butylbenzene	ND		5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	
n-Propylbenzene	ND		5.0	1.0	ug/Kg	1	11/09/18	JLI	SW8260C	
o-Xylene	ND		5.0	1.0	ug/Kg	1	11/09/18	JLI	SW8260C	
p-Isopropyltoluene	ND		5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	
sec-Butylbenzene	ND		5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	
Styrene	ND		5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	
tert-Butylbenzene	ND		5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	
Tetrachloroethene	ND		5.0	1.0	ug/Kg	1	11/09/18	JLI	SW8260C	
Tetrahydrofuran (THF)	ND		10	2.5	ug/Kg	1	11/09/18	JLI	SW8260C	1
Toluene	ND		5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND		10	2.5	ug/Kg	1	11/09/18	JLI	SW8260C	
Trichloroethene	ND		5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	
Trichlorofluoromethane	ND		5.0	1.0	ug/Kg	1	11/09/18	JLI	SW8260C	
Trichlorotrifluoroethane	ND		5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	
Vinyl chloride	ND		5.0	0.50	ug/Kg	1	11/09/18	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	98				%	1	11/09/18	JLI	70 - 130 %	
% Bromofluorobenzene	96				%	1	11/09/18	JLI	70 - 130 %	
% Dibromofluoromethane	97				%	1	11/09/18	JLI	70 - 130 %	
% Toluene-d8	95				%	1	11/09/18	JLI	70 - 130 %	

Project ID: 842-848 FLUSHING AVE, BROOKLYN NY

Client ID: TRIP BLANK LOW

Phoenix I.D.: CB90232

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Field Extraction	Completed					11/06/18		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (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 at RL/PQL
BRL=Below Reporting Level L=Biased Low 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:

TRIP BLANK INCLUDED.

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

November 15, 2018

Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

November 15, 2018

QA/QC Data

SDG I.D.: GCB90220

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 455391 (mg/kg), QC Sample No: CB90221 (CB90220, CB90221, CB90222, CB90223, CB90224, CB90225, CB90226, CB90227)														
Mercury - Soil	BRL	0.03	0.39	0.39	0	92.0	93.3	1.4	92.4			70 - 130	30	
Comment:														
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.														
QA/QC Batch 455392 (mg/kg), QC Sample No: CB90269 (CB90228, CB90229, CB90230)														
Mercury - Soil	BRL	0.02	<0.03	<0.03	NC	98.1	94.8	3.4	85.0			70 - 130	30	
Comment:														
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.														
QA/QC Batch 455347 (mg/kg), QC Sample No: CB90227 (CB90220, CB90221, CB90222, CB90223, CB90224, CB90225, CB90226, CB90227, CB90228, CB90229, CB90230)														
ICP Metals - Soil														
Aluminum	BRL	5.0	7120	6920	2.80	123			NC			75 - 125	30	
Antimony	BRL	3.3	<3.3	<3.4	NC	109			86.2			75 - 125	30	
Arsenic	BRL	0.67	1.96	2.02	NC	101			89.1			75 - 125	30	
Barium	BRL	0.33	39.7	39.6	0.30	107			109			75 - 125	30	
Beryllium	BRL	0.27	0.43	0.44	NC	104			95.5			75 - 125	30	
Cadmium	BRL	0.33	0.40	0.43	NC	95.0			92.9			75 - 125	30	
Calcium	BRL	5.0	849	931	9.20	103			NC			75 - 125	30	
Chromium	BRL	0.33	17.4	17.1	1.70	114			101			75 - 125	30	
Cobalt	BRL	0.33	8.25	8.13	1.50	99.5			95.5			75 - 125	30	
Copper	BRL	0.67	20.5	18.9	8.10	109			106			75 - 125	30	
Iron	BRL	5.0	20700	21400	3.30	119			NC			75 - 125	30	
Lead	BRL	0.33	6.2	5.89	5.10	103			93.5			75 - 125	30	
Magnesium	BRL	5.0	1690	1660	1.80	107			NC			75 - 125	30	
Manganese	BRL	0.33	444	391	12.7	104			NC			75 - 125	30	
Nickel	BRL	0.33	12.3	11.9	3.30	100			95.6			75 - 125	30	
Potassium	BRL	5.0	1360	1440	5.70	98.6			>130			75 - 125	30	m
Selenium	BRL	1.3	<1.3	<1.4	NC	81.3			73.0			75 - 125	30	m
Silver	BRL	0.33	<0.33	<0.34	NC	106			95.5			75 - 125	30	
Sodium	BRL	5.0	83	101	19.6	110			>130			75 - 125	30	m
Thallium	BRL	3.0	<1.3	<3.1	NC	98.5			91.7			75 - 125	30	
Vanadium	BRL	0.33	31.2	31.3	0.30	120			103			75 - 125	30	
Zinc	BRL	0.67	27.0	29.1	7.50	99.4			98.3			75 - 125	30	

m = This parameter is outside laboratory MS/MSD specified recovery limits.

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

November 15, 2018

QA/QC Data

SDG I.D.: GCB90220

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 455492 (ug/Kg), QC Sample No: CB90221 2X (CB90220, CB90221, CB90222, CB90223, CB90224, CB90225, CB90226, CB90227, CB90228, CB90229, CB90230)											
Polychlorinated Biphenyls - Soil											
PCB-1016	ND	33	75	104	32.4	90	62	36.8	40 - 140	30	r
PCB-1221	ND	33							40 - 140	30	
PCB-1232	ND	33							40 - 140	30	
PCB-1242	ND	33							40 - 140	30	
PCB-1248	ND	33							40 - 140	30	
PCB-1254	ND	33							40 - 140	30	
PCB-1260	ND	33	85	104	20.1	92	69	28.6	40 - 140	30	
PCB-1262	ND	33							40 - 140	30	
PCB-1268	ND	33							40 - 140	30	
% DCBP (Surrogate Rec)	84	%	93	116	22.0	109	77	34.4	30 - 150	30	r
% TCMX (Surrogate Rec)	75	%	74	92	21.7	89	60	38.9	30 - 150	30	r
QA/QC Batch 455491 (ug/Kg), QC Sample No: CB90221 2X (CB90220, CB90221, CB90222, CB90223, CB90224, CB90225, CB90226, CB90227, CB90228, CB90229, CB90230)											
Pesticides - Soil											
4,4' -DDD	ND	1.7	91	87	4.5	76	78	2.6	40 - 140	30	
4,4' -DDE	ND	1.7	84	86	2.4	70	71	1.4	40 - 140	30	
4,4' -DDT	ND	1.7	85	85	0.0	72	74	2.7	40 - 140	30	
a-BHC	ND	1.0	83	84	1.2	62	58	6.7	40 - 140	30	
a-Chlordane	ND	3.3	87	85	2.3	71	69	2.9	40 - 140	30	
Aldrin	ND	1.0	86	85	1.2	63	58	8.3	40 - 140	30	
b-BHC	ND	1.0	97	101	4.0	81	78	3.8	40 - 140	30	
Chlordane	ND	33	82	81	1.2	67	66	1.5	40 - 140	30	
d-BHC	ND	3.3	92	93	1.1	75	74	1.3	40 - 140	30	
Dieldrin	ND	1.0	85	85	0.0	69	68	1.5	40 - 140	30	
Endosulfan I	ND	3.3	93	92	1.1	75	73	2.7	40 - 140	30	
Endosulfan II	ND	3.3	94	92	2.2	76	78	2.6	40 - 140	30	
Endosulfan sulfate	ND	3.3	94	94	0.0	75	78	3.9	40 - 140	30	
Endrin	ND	3.3	76	80	5.1	68	66	3.0	40 - 140	30	
Endrin aldehyde	ND	3.3	79	78	1.3	65	68	4.5	40 - 140	30	
Endrin ketone	ND	3.3	101	99	2.0	79	82	3.7	40 - 140	30	
g-BHC	ND	1.0	83	84	1.2	63	58	8.3	40 - 140	30	
g-Chlordane	ND	3.3	82	81	1.2	67	66	1.5	40 - 140	30	
Heptachlor	ND	3.3	85	86	1.2	67	62	7.8	40 - 140	30	
Heptachlor epoxide	ND	3.3	90	89	1.1	72	70	2.8	40 - 140	30	
Methoxychlor	ND	3.3	84	84	0.0	72	74	2.7	40 - 140	30	
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30	
% DCBP	103	%	100	101	1.0	84	88	4.7	30 - 150	30	
% TCMX	87	%	83	84	1.2	63	58	8.3	30 - 150	30	

QA/QC Data

SDG I.D.: GCB90220

QA/QC Batch 455345 (ug/kg), QC Sample No: CB90221 (CB90220, CB90221, CB90222, CB90223, CB90224, CB90225, CB90226, CB90227, CB90228, CB90229, CB90230)

Semivolatiles - Soil

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2,4,5-Tetrachlorobenzene	ND	230	58			53	57	7.3	30 - 130	30	
1,2,4-Trichlorobenzene	ND	230	63			55	59	7.0	30 - 130	30	
1,2-Dichlorobenzene	ND	180	63			55	62	12.0	30 - 130	30	
1,2-Diphenylhydrazine	ND	230	77			68	73	7.1	30 - 130	30	
1,3-Dichlorobenzene	ND	230	62			54	61	12.2	30 - 130	30	
1,4-Dichlorobenzene	ND	230	63			56	61	8.5	30 - 130	30	
2,4,5-Trichlorophenol	ND	230	74			67	73	8.6	30 - 130	30	
2,4,6-Trichlorophenol	ND	130	75			66	71	7.3	30 - 130	30	
2,4-Dichlorophenol	ND	130	69			62	68	9.2	30 - 130	30	
2,4-Dimethylphenol	ND	230	73			64	65	1.6	30 - 130	30	
2,4-Dinitrophenol	ND	230	<10			67	79	16.4	30 - 130	30	l
2,4-Dinitrotoluene	ND	130	83			74	80	7.8	30 - 130	30	
2,6-Dinitrotoluene	ND	130	81			73	77	5.3	30 - 130	30	
2-Chloronaphthalene	ND	230	74			66	71	7.3	30 - 130	30	
2-Chlorophenol	ND	230	69			59	66	11.2	30 - 130	30	
2-Methylnaphthalene	ND	230	67			60	65	8.0	30 - 130	30	
2-Methylphenol (o-cresol)	ND	230	69			59	69	15.6	30 - 130	30	
2-Nitroaniline	ND	330	71			66	73	10.1	30 - 130	30	
2-Nitrophenol	ND	230	59			53	57	7.3	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	230	75			64	73	13.1	30 - 130	30	
3,3'-Dichlorobenzidine	ND	130	68			68	68	0.0	30 - 130	30	
3-Nitroaniline	ND	330	96			86	91	5.6	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	230	19			69	81	16.0	30 - 130	30	l
4-Bromophenyl phenyl ether	ND	230	73			67	70	4.4	30 - 130	30	
4-Chloro-3-methylphenol	ND	230	77			69	76	9.7	30 - 130	30	
4-Chloroaniline	ND	230	68			58	64	9.8	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	230	68			61	65	6.3	30 - 130	30	
4-Nitroaniline	ND	230	84			76	81	6.4	30 - 130	30	
4-Nitrophenol	ND	230	82			73	81	10.4	30 - 130	30	
Acenaphthene	ND	230	76			60	64	6.5	30 - 130	30	
Acenaphthylene	ND	130	71			65	68	4.5	30 - 130	30	
Acetophenone	ND	230	58			51	56	9.3	30 - 130	30	
Aniline	ND	330	53			46	49	6.3	30 - 130	30	
Anthracene	ND	230	76			56	59	5.2	30 - 130	30	
Benz(a)anthracene	ND	230	73			38	40	5.1	30 - 130	30	
Benzidine	ND	330	39			27	34	23.0	30 - 130	30	m
Benzo(a)pyrene	ND	130	73			43	44	2.3	30 - 130	30	
Benzo(b)fluoranthene	ND	160	75			49	50	2.0	30 - 130	30	
Benzo(ghi)perylene	ND	230	68			49	49	0.0	30 - 130	30	
Benzo(k)fluoranthene	ND	230	78			50	50	0.0	30 - 130	30	
Benzoic Acid	ND	330	<10			37	28	27.7	30 - 130	30	l,m
Benzyl butyl phthalate	ND	230	83			75	81	7.7	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	230	78			67	74	9.9	30 - 130	30	
Bis(2-chloroethyl)ether	ND	130	65			57	62	8.4	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	230	66			57	64	11.6	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	230	83			76	81	6.4	30 - 130	30	
Carbazole	ND	230	78			63	67	6.2	30 - 130	30	
Chrysene	ND	230	77			39	41	5.0	30 - 130	30	
Dibenz(a,h)anthracene	ND	130	75			66	68	3.0	30 - 130	30	

QA/QC Data

SDG I.D.: GCB90220

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Dibenzofuran	ND	230	72			61	65	6.3	30 - 130	30	
Diethyl phthalate	ND	230	71			63	69	9.1	30 - 130	30	
Dimethylphthalate	ND	230	74			68	73	7.1	30 - 130	30	
Di-n-butylphthalate	ND	670	79			71	76	6.8	30 - 130	30	
Di-n-octylphthalate	ND	230	84			76	81	6.4	30 - 130	30	
Fluoranthene	ND	230	72			NC	NC	NC	30 - 130	30	
Fluorene	ND	230	73			59	62	5.0	30 - 130	30	
Hexachlorobenzene	ND	130	71			65	67	3.0	30 - 130	30	
Hexachlorobutadiene	ND	230	54			48	53	9.9	30 - 130	30	
Hexachlorocyclopentadiene	ND	230	47			41	44	7.1	30 - 130	30	
Hexachloroethane	ND	130	58			50	55	9.5	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	230	71			49	51	4.0	30 - 130	30	
Isophorone	ND	130	65			57	63	10.0	30 - 130	30	
Naphthalene	ND	230	68			61	65	6.3	30 - 130	30	
Nitrobenzene	ND	130	67			58	65	11.4	30 - 130	30	
N-Nitrosodimethylamine	ND	230	81			70	78	10.8	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	130	73			63	70	10.5	30 - 130	30	
N-Nitrosodiphenylamine	ND	130	75			66	67	1.5	30 - 130	30	
Pentachloronitrobenzene	ND	230	61			56	61	8.5	30 - 130	30	
Pentachlorophenol	ND	230	61			66	75	12.8	30 - 130	30	
Phenanthrene	ND	130	76			NC	NC	NC	30 - 130	30	
Phenol	ND	230	77			67	73	8.6	30 - 130	30	
Pyrene	ND	230	72			NC	NC	NC	30 - 130	30	
Pyridine	ND	230	61			54	61	12.2	30 - 130	30	
% 2,4,6-Tribromophenol	72	%	74			68	71	4.3	30 - 130	30	
% 2-Fluorobiphenyl	62	%	63			56	58	3.5	30 - 130	30	
% 2-Fluorophenol	61	%	64			55	62	12.0	30 - 130	30	
% Nitrobenzene-d5	68	%	58			50	56	11.3	30 - 130	30	
% Phenol-d5	74	%	73			63	69	9.1	30 - 130	30	
% Terphenyl-d14	58	%	54			49	53	7.8	30 - 130	30	

Comment:

This batch consists of a Blank, LCS, MS and MSD.

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 455651 (ug/kg), QC Sample No: CB90725 (CB90221, CB90222, CB90225, CB90227, CB90229, CB90230, CB90231 (50X) , CB90232)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	5.0	91	91	0.0	89	90	1.1	70 - 130	30	
1,1,1-Trichloroethane	ND	5.0	92	91	1.1	88	90	2.2	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	3.0	89	88	1.1	87	89	2.3	70 - 130	30	
1,1,2-Trichloroethane	ND	5.0	86	84	2.4	86	87	1.2	70 - 130	30	
1,1-Dichloroethane	ND	5.0	89	68	26.8	68	69	1.5	70 - 130	30	l,m
1,1-Dichloroethene	ND	5.0	97	98	1.0	94	96	2.1	70 - 130	30	
1,1-Dichloropropene	ND	5.0	95	93	2.1	92	94	2.2	70 - 130	30	
1,2,3-Trichlorobenzene	ND	5.0	89	90	1.1	85	91	6.8	70 - 130	30	
1,2,3-Trichloropropane	ND	5.0	79	79	0.0	79	80	1.3	70 - 130	30	
1,2,4-Trichlorobenzene	ND	5.0	92	92	0.0	89	95	6.5	70 - 130	30	
1,2,4-Trimethylbenzene	ND	1.0	92	92	0.0	91	92	1.1	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	5.0	87	88	1.1	83	85	2.4	70 - 130	30	
1,2-Dibromoethane	ND	5.0	88	88	0.0	87	90	3.4	70 - 130	30	
1,2-Dichlorobenzene	ND	5.0	88	88	0.0	87	90	3.4	70 - 130	30	
1,2-Dichloroethane	ND	5.0	86	85	1.2	84	85	1.2	70 - 130	30	

QA/QC Data

SDG I.D.: GCB90220

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2-Dichloropropane	ND	5.0	88	87	1.1	87	88	1.1	70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0	92	92	0.0	90	91	1.1	70 - 130	30	
1,3-Dichlorobenzene	ND	5.0	90	90	0.0	89	91	2.2	70 - 130	30	
1,3-Dichloropropane	ND	5.0	86	86	0.0	86	87	1.2	70 - 130	30	
1,4-Dichlorobenzene	ND	5.0	89	89	0.0	87	90	3.4	70 - 130	30	
1,4-dioxane	ND	100	108	116	7.1	108	118	8.8	70 - 130	30	
2,2-Dichloropropane	ND	5.0	95	94	1.1	92	95	3.2	70 - 130	30	
2-Chlorotoluene	ND	5.0	91	91	0.0	89	92	3.3	70 - 130	30	
2-Hexanone	ND	25	88	86	2.3	88	89	1.1	70 - 130	30	
2-Isopropyltoluene	ND	5.0	104	105	1.0	105	107	1.9	70 - 130	30	
4-Chlorotoluene	ND	5.0	91	91	0.0	89	92	3.3	70 - 130	30	
4-Methyl-2-pentanone	ND	25	89	89	0.0	91	93	2.2	70 - 130	30	
Acetone	ND	10	83	84	1.2	74	74	0.0	70 - 130	30	
Acrolein	ND	25	104	107	2.8	99	100	1.0	70 - 130	30	
Acrylonitrile	ND	5.0	94	62	41.0	65	67	3.0	70 - 130	30	l,m,r
Benzene	ND	1.0	90	89	1.1	89	90	1.1	70 - 130	30	
Bromobenzene	ND	5.0	89	89	0.0	88	89	1.1	70 - 130	30	
Bromochloromethane	ND	5.0	88	88	0.0	86	88	2.3	70 - 130	30	
Bromodichloromethane	ND	5.0	91	89	2.2	84	87	3.5	70 - 130	30	
Bromoform	ND	5.0	94	93	1.1	86	89	3.4	70 - 130	30	
Bromomethane	ND	5.0	98	98	0.0	86	90	4.5	70 - 130	30	
Carbon Disulfide	ND	5.0	123	123	0.0	110	115	4.4	70 - 130	30	
Carbon tetrachloride	ND	5.0	100	84	17.4	79	83	4.9	70 - 130	30	
Chlorobenzene	ND	5.0	89	88	1.1	88	90	2.2	70 - 130	30	
Chloroethane	ND	5.0	101	101	0.0	88	114	25.7	70 - 130	30	
Chloroform	ND	5.0	89	88	1.1	87	88	1.1	70 - 130	30	
Chloromethane	ND	5.0	89	88	1.1	86	92	6.7	70 - 130	30	
cis-1,2-Dichloroethene	ND	5.0	91	90	1.1	88	91	3.4	70 - 130	30	
cis-1,3-Dichloropropene	ND	5.0	90	90	0.0	89	90	1.1	70 - 130	30	
Dibromochloromethane	ND	3.0	95	94	1.1	89	91	2.2	70 - 130	30	
Dibromomethane	ND	5.0	85	85	0.0	84	85	1.2	70 - 130	30	
Dichlorodifluoromethane	ND	5.0	107	102	4.8	99	104	4.9	70 - 130	30	
Ethylbenzene	ND	1.0	91	89	2.2	90	92	2.2	70 - 130	30	
Hexachlorobutadiene	ND	5.0	92	93	1.1	96	100	4.1	70 - 130	30	
Isopropylbenzene	ND	1.0	91	92	1.1	89	92	3.3	70 - 130	30	
m&p-Xylene	ND	2.0	91	90	1.1	91	92	1.1	70 - 130	30	
Methyl ethyl ketone	ND	5.0	84	83	1.2	83	86	3.6	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	96	95	1.0	96	97	1.0	70 - 130	30	
Methylene chloride	ND	5.0	86	88	2.3	88	90	2.2	70 - 130	30	
Naphthalene	ND	5.0	89	91	2.2	85	91	6.8	70 - 130	30	
n-Butylbenzene	ND	1.0	96	95	1.0	94	96	2.1	70 - 130	30	
n-Propylbenzene	ND	1.0	92	91	1.1	90	91	1.1	70 - 130	30	
o-Xylene	ND	2.0	92	92	0.0	93	94	1.1	70 - 130	30	
p-Isopropyltoluene	ND	1.0	94	94	0.0	94	96	2.1	70 - 130	30	
sec-Butylbenzene	ND	1.0	97	97	0.0	96	98	2.1	70 - 130	30	
Styrene	ND	5.0	92	92	0.0	92	94	2.2	70 - 130	30	
tert-butyl alcohol	ND	100	100	109	8.6	84	93	10.2	70 - 130	30	
tert-Butylbenzene	ND	1.0	92	92	0.0	91	93	2.2	70 - 130	30	
Tetrachloroethene	ND	5.0	93	90	3.3	92	94	2.2	70 - 130	30	
Tetrahydrofuran (THF)	ND	5.0	91	89	2.2	95	101	6.1	70 - 130	30	
Toluene	ND	1.0	88	86	2.3	87	89	2.3	70 - 130	30	
trans-1,2-Dichloroethene	ND	5.0	98	99	1.0	99	101	2.0	70 - 130	30	
trans-1,3-Dichloropropene	ND	5.0	88	87	1.1	86	88	2.3	70 - 130	30	

QA/QC Data

SDG I.D.: GCB90220

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
trans-1,4-dichloro-2-butene	ND	5.0	107	108	0.9	104	106	1.9	70 - 130	30	
Trichloroethene	ND	5.0	92	90	2.2	91	93	2.2	70 - 130	30	
Trichlorofluoromethane	ND	5.0	102	101	1.0	85	97	13.2	70 - 130	30	
Trichlorotrifluoroethane	ND	5.0	111	109	1.8	108	111	2.7	70 - 130	30	
Vinyl chloride	ND	5.0	102	99	3.0	105	111	5.6	70 - 130	30	
% 1,2-dichlorobenzene-d4	100	%	100	99	1.0	99	98	1.0	70 - 130	30	
% Bromofluorobenzene	96	%	99	99	0.0	101	101	0.0	70 - 130	30	
% Dibromofluoromethane	99	%	101	99	2.0	98	100	2.0	70 - 130	30	
% Toluene-d8	95	%	99	98	1.0	98	98	0.0	70 - 130	30	

Comment:

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

QA/QC Batch 455896 (ug/kg), QC Sample No: CB91471 (CB90220 (1X, 50X) , CB90222 (50X) , CB90223, CB90224, CB90226, CB90228)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	5.0	94	91	3.2	92	90	2.2	70 - 130	30	
1,1,1-Trichloroethane	ND	5.0	90	87	3.4	91	90	1.1	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	3.0	95	89	6.5	97	95	2.1	70 - 130	30	
1,1,2-Trichloroethane	ND	5.0	90	86	4.5	85	81	4.8	70 - 130	30	
1,1-Dichloroethane	ND	5.0	90	86	4.5	90	90	0.0	70 - 130	30	
1,1-Dichloroethene	ND	5.0	94	92	2.2	96	94	2.1	70 - 130	30	
1,1-Dichloropropene	ND	5.0	95	91	4.3	92	87	5.6	70 - 130	30	
1,2,3-Trichlorobenzene	ND	5.0	95	90	5.4	83	91	9.2	70 - 130	30	
1,2,3-Trichloropropane	ND	5.0	94	83	12.4	91	89	2.2	70 - 130	30	
1,2,4-Trichlorobenzene	ND	5.0	99	94	5.2	89	97	8.6	70 - 130	30	
1,2,4-Trimethylbenzene	ND	1.0	96	92	4.3	92	88	4.4	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	5.0	97	93	4.2	87	80	8.4	70 - 130	30	
1,2-Dibromoethane	ND	5.0	94	89	5.5	88	84	4.7	70 - 130	30	
1,2-Dichlorobenzene	ND	5.0	94	90	4.3	80	73	9.2	70 - 130	30	
1,2-Dichloroethane	ND	5.0	87	82	5.9	83	81	2.4	70 - 130	30	
1,2-Dichloropropane	ND	5.0	89	85	4.6	88	87	1.1	70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0	95	92	3.2	94	90	4.3	70 - 130	30	
1,3-Dichlorobenzene	ND	5.0	95	91	4.3	81	75	7.7	70 - 130	30	
1,3-Dichloropropane	ND	5.0	91	86	5.6	89	86	3.4	70 - 130	30	
1,4-Dichlorobenzene	ND	5.0	95	91	4.3	80	73	9.2	70 - 130	30	
1,4-dioxane	ND	100	117	107	8.9	136	111	20.2	70 - 130	30	m
2,2-Dichloropropane	ND	5.0	94	90	4.3	92	91	1.1	70 - 130	30	
2-Chlorotoluene	ND	5.0	95	91	4.3	93	91	2.2	70 - 130	30	
2-Hexanone	ND	25	94	88	6.6	84	75	11.3	70 - 130	30	
2-Isopropyltoluene	ND	5.0	110	105	4.7	105	99	5.9	70 - 130	30	
4-Chlorotoluene	ND	5.0	95	91	4.3	89	85	4.6	70 - 130	30	
4-Methyl-2-pentanone	ND	25	96	89	7.6	88	81	8.3	70 - 130	30	
Acetone	ND	10	81	78	3.8	85	81	4.8	70 - 130	30	
Acrolein	ND	25	100	94	6.2	95	96	1.0	70 - 130	30	
Acrylonitrile	ND	5.0	98	92	6.3	89	81	9.4	70 - 130	30	
Benzene	ND	1.0	92	88	4.4	91	87	4.5	70 - 130	30	
Bromobenzene	ND	5.0	95	90	5.4	89	85	4.6	70 - 130	30	
Bromochloromethane	ND	5.0	92	87	5.6	87	85	2.3	70 - 130	30	
Bromodichloromethane	ND	5.0	91	87	4.5	87	83	4.7	70 - 130	30	
Bromoform	ND	5.0	100	94	6.2	88	80	9.5	70 - 130	30	
Bromomethane	ND	5.0	95	96	1.0	106	103	2.9	70 - 130	30	
Carbon Disulfide	ND	5.0	119	114	4.3	110	97	12.6	70 - 130	30	
Carbon tetrachloride	ND	5.0	84	82	2.4	82	79	3.7	70 - 130	30	

QA/QC Data

SDG I.D.: GCB90220

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Chlorobenzene	ND	5.0	93	89	4.4	85	80	6.1	70 - 130	30	
Chloroethane	ND	5.0	96	94	2.1	104	104	0.0	70 - 130	30	
Chloroform	ND	5.0	89	86	3.4	89	88	1.1	70 - 130	30	
Chloromethane	ND	5.0	88	85	3.5	86	89	3.4	70 - 130	30	
cis-1,2-Dichloroethene	ND	5.0	93	89	4.4	91	87	4.5	70 - 130	30	
cis-1,3-Dichloropropene	ND	5.0	95	90	5.4	85	80	6.1	70 - 130	30	
Dibromochloromethane	ND	3.0	99	94	5.2	92	87	5.6	70 - 130	30	
Dibromomethane	ND	5.0	89	84	5.8	84	80	4.9	70 - 130	30	
Dichlorodifluoromethane	ND	5.0	108	104	3.8	107	108	0.9	70 - 130	30	
Ethylbenzene	ND	1.0	93	90	3.3	91	89	2.2	70 - 130	30	
Hexachlorobutadiene	ND	5.0	99	94	5.2	98	100	2.0	70 - 130	30	
Isopropylbenzene	ND	1.0	96	93	3.2	100	98	2.0	70 - 130	30	
m&p-Xylene	ND	2.0	94	91	3.2	89	84	5.8	70 - 130	30	
Methyl ethyl ketone	ND	5.0	88	80	9.5	75	66	12.8	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	1.0	95	91	4.3	98	98	0.0	70 - 130	30	
Methylene chloride	ND	5.0	85	82	3.6	88	89	1.1	70 - 130	30	
Naphthalene	ND	5.0	97	93	4.2	81	92	12.7	70 - 130	30	
n-Butylbenzene	ND	1.0	99	95	4.1	83	73	12.8	70 - 130	30	
n-Propylbenzene	ND	1.0	96	92	4.3	94	92	2.2	70 - 130	30	
o-Xylene	ND	2.0	96	92	4.3	91	86	5.6	70 - 130	30	
p-Isopropyltoluene	ND	1.0	97	94	3.1	92	86	6.7	70 - 130	30	
sec-Butylbenzene	ND	1.0	100	97	3.0	95	89	6.5	70 - 130	30	
Styrene	ND	5.0	96	92	4.3	83	75	10.1	70 - 130	30	
tert-butyl alcohol	ND	100	102	96	6.1	121	98	21.0	70 - 130	30	
tert-Butylbenzene	ND	1.0	95	92	3.2	96	92	4.3	70 - 130	30	
Tetrachloroethene	ND	5.0	94	90	4.3	88	83	5.8	70 - 130	30	
Tetrahydrofuran (THF)	ND	5.0	95	87	8.8	87	84	3.5	70 - 130	30	
Toluene	ND	1.0	91	87	4.5	96	108	11.8	70 - 130	30	
trans-1,2-Dichloroethene	ND	5.0	96	93	3.2	95	87	8.8	70 - 130	30	
trans-1,3-Dichloropropene	ND	5.0	92	88	4.4	80	73	9.2	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	115	111	3.5	103	91	12.4	70 - 130	30	
Trichloroethene	ND	5.0	93	90	3.3	90	85	5.7	70 - 130	30	
Trichlorofluoromethane	ND	5.0	95	92	3.2	98	98	0.0	70 - 130	30	
Trichlorotrifluoroethane	ND	5.0	105	103	1.9	108	106	1.9	70 - 130	30	
Vinyl chloride	ND	5.0	100	97	3.0	102	100	2.0	70 - 130	30	
% 1,2-dichlorobenzene-d4	99	%	99	98	1.0	97	97	0.0	70 - 130	30	
% Bromofluorobenzene	97	%	100	99	1.0	96	94	2.1	70 - 130	30	
% Dibromofluoromethane	100	%	101	100	1.0	102	102	0.0	70 - 130	30	
% Toluene-d8	97	%	100	100	0.0	99	98	1.0	70 - 130	30	

Comment:

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

QA/QC Batch 456257 (ug/kg), QC Sample No: CB96549 (CB90221, CB90223, CB90224, CB90225, CB90229)

Volatiles - Soil

Acetone	ND	10	80	83	3.7	66	63	4.7	70 - 130	30	m

Comment:

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

l = This parameter is outside laboratory LCS/LCSD specified recovery limits.
m = This parameter is outside laboratory MS/MSD specified recovery limits.
r = This parameter is outside laboratory RPD specified recovery limits.

QA/QC Data

SDG I.D.: GCB90220

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

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

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

Phyllis Shiller, Laboratory Director
November 15, 2018

Thursday, November 15, 2018

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

State: NY

Sample Criteria Exceedances Report

GCB90220 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CB90220	AS-SM	Arsenic	NY / 375-6.8 Metals / Ground Water Protection	29.8	0.79	16	16	mg/Kg
CB90220	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	29.8	0.79	16	16	mg/Kg
CB90220	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	29.8	0.79	16	16	mg/Kg
CB90220	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	29.8	0.79	13	13	mg/Kg
CB90220	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	38.6	0.40	30		mg/Kg
CB90220	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.36	0.03	0.18	0.18	mg/Kg
CB90220	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	268	7.9	63	63	mg/Kg
CB90220	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	314	7.9	109	109	mg/Kg
CB90221	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	1200	260	1000	1000	ug/Kg
CB90221	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	1400	260	1000	1000	ug/Kg
CB90221	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	660	260	500	500	ug/Kg
CB90221	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1400	260	1000	1000	ug/Kg
CB90221	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	1200	260	1000	1000	ug/Kg
CB90221	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	660	260	500	500	ug/Kg
CB90221	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1200	260	1000	1000	ug/Kg
CB90221	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	900	260	800	800	ug/Kg
CB90221	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	260	1000	1000	ug/Kg
CB90221	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1400	260	1000	1000	ug/Kg
CB90221	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	660	260	500	500	ug/Kg
CB90221	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.39	0.03	0.18	0.18	mg/Kg
CB90221	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	64.9	0.7	63	63	mg/Kg
CB90221	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	209	7.4	109	109	mg/Kg
CB90222	$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	9.8	2.4	3.3	3.3	ug/Kg
CB90222	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.25	0.08	0.18	0.18	mg/Kg
CB90222	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	189	7.2	63	63	mg/Kg
CB90222	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	192	7.2	109	109	mg/Kg
CB90223	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	1400	260	1000	1000	ug/Kg
CB90223	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	1700	260	1000	1000	ug/Kg
CB90223	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	1400	260	1000	1000	ug/Kg
CB90223	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	960	260	500	500	ug/Kg
CB90223	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1700	260	1000	1000	ug/Kg
CB90223	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1300	260	1000	1000	ug/Kg
CB90223	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1400	260	1000	1000	ug/Kg
CB90223	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	1400	190	1000	1000	ug/Kg
CB90223	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1400	260	1000	1000	ug/Kg
CB90223	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1400	190	1000	1000	ug/Kg
CB90223	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	960	260	500	500	ug/Kg
CB90223	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1400	260	1000	1000	ug/Kg
CB90223	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1400	260	1000	1000	ug/Kg
CB90223	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	960	260	500	500	ug/Kg

Thursday, November 15, 2018

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

State: NY

Sample Criteria Exceedances Report

GCB90220 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CB90223	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1700	260	1000	1000	ug/Kg
CB90223	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1300	260	800	800	ug/Kg
CB90223	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1400	260	1000	1000	ug/Kg
CB90223	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1400	190	1000	1000	ug/Kg
CB90223	$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	21	2.3	3.3	3.3	ug/Kg
CB90223	$PESTSM_NY	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	12	2.3	3.3	3.3	ug/Kg
CB90223	$PESTSM_NY	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	8.5	3.8	5	5	ug/Kg
CB90223	$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	77	2.3	3.3	3.3	ug/Kg
CB90223	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.25	0.08	0.18	0.18	mg/Kg
CB90223	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	205	7.2	63	63	mg/Kg
CB90223	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	211	7.2	109	109	mg/Kg
CB90224	$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	10	2.2	3.3	3.3	ug/Kg
CB90224	$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	39	2.2	3.3	3.3	ug/Kg
CB90224	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	114	0.7	63	63	mg/Kg
CB90224	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	698	7.2	109	109	mg/Kg
CB90225	$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	8.8	2.2	3.3	3.3	ug/Kg
CB90225	$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	54	2.2	3.3	3.3	ug/Kg
CB90225	$PESTSM_NY	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	22	3.7	5	5	ug/Kg
CB90225	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	260	8.0	63	63	mg/Kg
CB90225	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	186	8.0	109	109	mg/Kg
CB90226	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	31.2	0.38	30		mg/Kg
CB90226	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.31	0.03	0.18	0.18	mg/Kg
CB90226	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	106	0.8	63	63	mg/Kg
CB90228	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	68.3	0.7	63	63	mg/Kg
CB90228	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	193	7.4	109	109	mg/Kg
CB90230	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	1100	260	1000	1000	ug/Kg
CB90230	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1100	260	1000	1000	ug/Kg
CB90230	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	580	260	500	500	ug/Kg
CB90230	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	580	260	500	500	ug/Kg
CB90230	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	890	260	800	800	ug/Kg
CB90230	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1100	260	1000	1000	ug/Kg
CB90230	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	580	260	500	500	ug/Kg
CB90230	$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	22	2.2	3.3	3.3	ug/Kg
CB90230	$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	65	2.2	3.3	3.3	ug/Kg
CB90230	$PESTSM_NY	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	10	3.7	5	5	ug/Kg
CB90230	BA-SMDP	Barium	NY / 375-6.8 Metals / Ground Water Protection	1020	0.7	820	820	mg/Kg
CB90230	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential	1020	0.7	350	350	mg/Kg
CB90230	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential Restricted	1020	0.7	400	400	mg/Kg

Thursday, November 15, 2018

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

State: NY

Sample Criteria Exceedances Report

GCB90220 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CB90230	BA-SMDP	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	1020	0.7	350	350	mg/Kg
CB90230	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.37	0.07	0.18	0.18	mg/Kg
CB90230	PB-SMDP	Lead	NY / 375-6.8 Metals / Ground Water Protection	737	6.9	450	450	mg/Kg
CB90230	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	737	6.9	400	400	mg/Kg
CB90230	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	737	6.9	400	400	mg/Kg
CB90230	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	737	6.9	63	63	mg/Kg
CB90230	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	502	6.9	109	109	mg/Kg

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

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

November 15, 2018 SDG I.D.: GCB90220

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report:

PEST Narration

AU-ECD35 11/09/18-1: CB90220, CB90221, CB90222, CB90223, CB90224, CB90225, CB90226, CB90227, CB90229, CB90230

The Endrin and DDT breakdown does not exceed 15% except for the following compounds:
N09A036 (CB90225, CB90226, CB90227, CB90229, CB90230) - Endrin Breakdown (16%)
The Endrin and DDT breakdown does not exceed the maximum of 20% except for the following compounds:None.

The following Continuing Calibration compounds did not meet % deviation criteria:
Samples: CB90225, CB90226, CB90227, CB90229, CB90230
Preceding CC N09A037 - None.
Succeeding CC N09A051 - Methoxychlor 29%L (20%)
A low "1A" standard was run after the samples to demonstrate capability to detect any compounds outside of the CC acceptance criteria. All reported samples were ND for the affected compounds.
Samples: CB90220, CB90221, CB90222, CB90223, CB90224
Preceding CC N09B005 - 4,4'-DDD 21%H (20%)
Succeeding CC N09B037 - % DCBP 32%L (20%), 4,4'-DDT 37%L (20%), Endrin 25%L (20%), Methoxychlor 33%L (20%)
A low "1A" standard was run after the samples to demonstrate capability to detect any compounds outside of the CC acceptance criteria. All reported samples were ND for the affected compounds.
Samples: CB90225, CB90226, CB90227, CB90229, CB90230
Preceding CC N09B037 - % DCBP 32%L (20%), 4,4'-DDT 37%L (20%), Endrin 25%L (20%), Methoxychlor 33%L (20%)
Succeeding CC N09B051 - % DCBP 38%L (20%), 4,4'-DDT 44%L (20%), a-Chlordane 22%L (20%), Endosulfan II 26%L (20%), Endosulfan sulfate 24%L (20%), Endrin 39%L (20%), Endrin Ketone 26%L (20%), Methoxychlor 46%L (20%)
A low "1A" standard was run after the samples to demonstrate capability to detect any compounds outside of the CC acceptance criteria. All reported samples were ND for the affected compounds.

SVOA Narration

CHEM06 11/08/18-1: CB90220, CB90221, CB90222, CB90223, CB90224, CB90225, CB90230

The following Initial Calibration compounds did not meet RSD% criteria: 2,4-Dinitrophenol 25% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.
The following Initial Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.097 (0.1), Hexachlorobenzene 0.096 (0.1)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet % deviation criteria: 2-Nitroaniline 33%L (30%)
The following Continuing Calibration compounds did not meet Maximum % deviation criteria: None.
The following Continuing Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.086 (0.1), Hexachlorobenzene 0.087 (0.1)
The following Continuing Calibration compounds did not meet minimum response factors: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

CHEM29 11/08/18-1: CB90226, CB90227, CB90228, CB90229

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

November 15, 2018 SDG I.D.: GCB90220

The following Initial Calibration compounds did not meet RSD% criteria: % Terphenyl-d14 22% (20%), Benzidine 22% (20%), Fluorene 21% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.
The following Initial Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.051 (0.1), 4-Chloro-3-methylphenol 0.181 (0.2), Bis(2-chloroethoxy)methane 0.295 (0.3), Hexachlorobenzene 0.079 (0.1)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet % deviation criteria: Hexachlorocyclopentadiene 31%L (30%)
The following Continuing Calibration compounds did not meet Maximum % deviation criteria: None.
The following Continuing Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.046 (0.1), 4-Chloro-3-methylphenol 0.197 (0.2), Hexachlorobenzene 0.080 (0.1)
The following Continuing Calibration compounds did not meet minimum response factors: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

VOA Narration

CHEM03 11/08/18-1: CB90221, CB90222, CB90225, CB90227, CB90229, CB90230, CB90231, CB90232

The following Initial Calibration compounds did not meet RSD% criteria: Chloroethane 22% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.
The following Initial Calibration compounds did not meet recommended response factors: Acetone 0.073 (0.1), Acrolein 0.041 (0.05)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet % deviation criteria: Acrylonitrile 36%L (30%)
The following Continuing Calibration compounds did not meet Maximum % deviation criteria: None.
The following Continuing Calibration compounds did not meet recommended response factors: Acrolein 0.045 (0.05)
The following Continuing Calibration compounds did not meet minimum response factors: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

CHEM03 11/10/18-1: CB90220, CB90222, CB90223, CB90224, CB90226, CB90228

The following Initial Calibration compounds did not meet RSD% criteria: Chloroethane 22% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.
The following Initial Calibration compounds did not meet recommended response factors: Acetone 0.073 (0.1), Acrolein 0.041 (0.05)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet recommended response factors: Acrolein 0.040 (0.05)
The following Continuing Calibration compounds did not meet minimum response factors: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

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NY Temperature Narration

November 15, 2018

SDG I.D.: GCB90220

The samples in this delivery group were received at 1.4°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Cooler: Yes ☒ No ☐
Coolant: IPK ☒ ICE ☐ No ☐
Temp 4 °C Pg 1 of 2

PHOENIX Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
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Contact Options:
☐ Fax:
☒ Phone: 631-504-6000
☒ Email: file

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

Project: 842-848 Flushing Ave, Brooklyn, NY
Report to: Environmental Business Consultants
Invoice to: Environmental Business Consultants

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Tenzin Chwezing Date: 11-06-18

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

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs 8260	SVOCs 8270	Pest /PCBs	TAL Metals	Soil VOA Vials [1] methanol [2] H2O	GL Soil container (8)oz	GL Soil container ( )oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
90220	18SB1 (2-4')	S	11-06-18		X	X	X	X		3	1							
90221	18SB1 (5-7')	↓	↓		X	X	X	X		3	1							
90222	18SB2 (2-4')				X	X	X	X		3	1							
90223	18SB2 (5-7')				X	X	X	X		3	1							
90224	18SB3 (2-4')				X	X	X	X		3	1							
90225	18SB3 (5-7')				X	X	X	X		3	1							
90226	18SB4 (2-4')				X	X	X	X		3	1							
90227	18SB4 (5-7')				X	X	X	X		3	1							
90228	18SB5 (2-4')				X	X	X	X		3	1							
90229	18SB5 (5-7')				X	X	X	X		3	1							
90230	Duplicate				X	X	X	X		3	1							

Relinquished by:	Accepted by:	Date:	Time:
		11-7-18	12:45
		11-7-18	16:24

Comments, Special Requirements or Regulations:

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

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

NY
☐ NY 375 GWP
☒ NY375 Unrestricted Use Soil
☒ NY375 Residential Soil
☒ Restricted/Residential
☐ Commercial
☐ Industrial

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

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

State where samples were collected: NY

Cooler: Yes [X] No [ ]
Coolant: IPK [X] ICE [ ] No [ ]

NY/NJ CHAIN OF CUSTODY RECORD

Temp 1.4°C Pg 2 of 2

PHOENIX Environmental Laboratories, Inc.

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Contact Options:
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[X] Phone: 631-504-6000
[X] Email: file

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

Project: 842-848 Flushing Ave, Brooklyn, NY
Report to: Environmental Business Consultants
Invoice to: Environmental Business Consultants.

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Tenzin Chogyal Date: 11-06-18

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

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs 8260	SVOCs 8270	Pest / PCBs	TAL Metals	Soil VOA Vials [1] methanol [2] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
902311	Trip blanks High	Soil	11-06-18		X				1									
902312	Trip blanks Low	↓	↓		X				2									

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	11-7-18	12:45
[signature]	[signature]	11-7-18	16:24

Comments, Special Requirements or Regulations:
1) NY 375 Unrestricted Use Soil
2) NY 375 Residential Soil
3) Restricted / Residential.

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

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

NY
[ ] TOGS GW
[ ] CP-51 SOIL
[ ] 375SCO Unrestricted Soil
[ ] 375SCO Residential Soil
[ ] 375SCO Residential
[ ] 375SCO Commercial Soil
[ ] 375SCO Industrial Soil
[ ] Subpart 5 DW

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

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

What State were samples collected? NY

PHOENIX
Environmental Laboratories, Inc.

Wednesday, November 14, 2018

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

Project ID: 842-848 FLUSHING AVE, BROOKLYN
Sample ID#s: CB90216 - CB90219

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,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
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
UT Lab Registration #CT00007
VT Lab Registration #VT11301

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
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Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG Comments

November 14, 2018

SDG I.D.: GCB90216

8260 Volatile Organics:
1,2-Dibromoethane, 1,2,3 Trichloropropane, and 1,2-Dibromo-3-chloropropane do not meet NY TOGS GA criteria, these compounds are analyzed by GC/FID method 504 or 8011 to achieve this criteria.

SIM Analysis:
The lowest possible reporting limit under SIM conditions is 0.02 ug/L. The NY TOGS GA criteria for some PAHs is 0.002 ug/L. This level can not be achieved.

PHOENIX

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Analysis Report

November 14, 2018

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	TC	11/07/18	
Location Code:	EBC	Received by:	CP	11/07/18	16:24
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCB90216
Phoenix ID: CB90216

Project ID: 842-848 FLUSHING AVE, BROOKLYN
Client ID: 18MW1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Semi-Volatile Extraction	Completed					11/07/18	P/R/D	SW3520C	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	11/08/18	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	11/08/18	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	11/08/18	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	

Project ID: 842-848 FLUSHING AVE, BROOKLYN
Client ID: 18MW1

Phoenix I.D.: CB90216

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
4-Methyl-2-pentanone	ND		2.5	2.5	ug/L	1	11/08/18	MH	SW8260C	
Acetone	46	S	25	13	ug/L	5	11/09/18	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	11/08/18	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	11/08/18	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	11/08/18	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	11/08/18	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	11/08/18	MH	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
m&p-Xylene	0.48	J	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Methyl ethyl ketone	5.6		2.5	2.5	ug/L	1	11/08/18	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	11/08/18	MH	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	11/08/18	MH	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Tetrachloroethene	0.70	J	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	11/08/18	MH	SW8260C	1
Toluene	0.87	J	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	11/08/18	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	11/08/18	MH	SW8260C	
Trichloroethene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	103				%	1	11/08/18	MH	70 - 130 %	
% Bromofluorobenzene	100				%	1	11/08/18	MH	70 - 130 %	

Ver 1

Project ID: 842-848 FLUSHING AVE, BROOKLYN
Client ID: 18MW1

Phoenix I.D.: CB90216

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Dibromofluoromethane	99			%	1	11/08/18	MH	70 - 130 %
% Toluene-d8	99			%	1	11/08/18	MH	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100		ug/l	1	11/08/18	MH	SW8260C
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	11/08/18	MH	SW8260C
Acrolein	ND	5.0		ug/L	1	11/08/18	MH	SW8260C
Acrylonitrile	ND	5.0		ug/L	1	11/08/18	MH	SW8260C
Tert-butyl alcohol	ND	50		ug/L	1	11/08/18	MH	SW8260C
Semivolatiles								
1,2,4-Trichlorobenzene	ND	7.9	2.4	ug/L	1	11/10/18	PS	SW8270D
1,2-Dichlorobenzene	ND	1.6	1.6	ug/L	1	11/10/18	PS	SW8270D
1,2-Diphenylhydrazine	ND	7.9	2.6	ug/L	1	11/10/18	PS	SW8270D
1,3-Dichlorobenzene	ND	1.6	1.6	ug/L	1	11/10/18	PS	SW8270D
1,4-Dichlorobenzene	ND	1.6	1.6	ug/L	1	11/10/18	PS	SW8270D
2,4,5-Trichlorophenol	ND	1.6	1.6	ug/L	1	11/10/18	PS	SW8270D
2,4,6-Trichlorophenol	ND	1.6	1.6	ug/L	1	11/10/18	PS	SW8270D
2,4-Dichlorophenol	ND	1.0	1.0	ug/L	1	11/10/18	PS	SW8270D
2,4-Dimethylphenol	ND	1.0	1.0	ug/L	1	11/10/18	PS	SW8270D
2,4-Dinitrophenol	ND	1.0	1.0	ug/L	1	11/10/18	PS	SW8270D
2,4-Dinitrotoluene	ND	5.0	3.1	ug/L	1	11/10/18	PS	SW8270D
2,6-Dinitrotoluene	ND	5.0	2.5	ug/L	1	11/10/18	PS	SW8270D
2-Chloronaphthalene	ND	7.9	2.2	ug/L	1	11/10/18	PS	SW8270D
2-Chlorophenol	ND	1.0	1.0	ug/L	1	11/10/18	PS	SW8270D
2-Methylnaphthalene	ND	7.9	2.3	ug/L	1	11/10/18	PS	SW8270D
2-Methylphenol (o-cresol)	ND	1.0	1.0	ug/L	1	11/10/18	PS	SW8270D
2-Nitroaniline	ND	5.0	3.1	ug/L	1	11/10/18	PS	SW8270D
2-Nitrophenol	ND	1.0	1.0	ug/L	1	11/10/18	PS	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	1.6	1.6	ug/L	1	11/10/18	PS	SW8270D
3,3'-Dichlorobenzidine	ND	5.0	3.7	ug/L	1	11/10/18	PS	SW8270D
3-Nitroaniline	ND	5.0	3.1	ug/L	1	11/10/18	PS	SW8270D
4,6-Dinitro-2-methylphenol	ND	1.0	1.0	ug/L	1	11/10/18	PS	SW8270D
4-Bromophenyl phenyl ether	ND	7.9	2.3	ug/L	1	11/10/18	PS	SW8270D
4-Chloro-3-methylphenol	ND	1.0	1.0	ug/L	1	11/10/18	PS	SW8270D
4-Chloroaniline	ND	5.0	3.7	ug/L	1	11/10/18	PS	SW8270D
4-Chlorophenyl phenyl ether	ND	7.9	2.6	ug/L	1	11/10/18	PS	SW8270D
4-Nitroaniline	ND	5.0	2.6	ug/L	1	11/10/18	PS	SW8270D
4-Nitrophenol	ND	1.0	1.0	ug/L	1	11/10/18	PS	SW8270D
Acenaphthene	ND	7.9	2.4	ug/L	1	11/10/18	PS	SW8270D
Acetophenone	ND	7.9	2.4	ug/L	1	11/10/18	PS	SW8270D
Aniline	ND	5.0	5.0	ug/L	1	11/10/18	PS	SW8270D
Anthracene	ND	7.9	2.6	ug/L	1	11/10/18	PS	SW8270D
Benzidine	ND	5.0	4.6	ug/L	1	11/10/18	PS	SW8270D
Benzoic acid	80	39	16	ug/L	1	11/10/18	PS	SW8270D
Benzyl butyl phthalate	ND	7.9	2.0	ug/L	1	11/10/18	PS	SW8270D
Bis(2-chloroethoxy)methane	ND	5.0	2.2	ug/L	1	11/10/18	PS	SW8270D
Bis(2-chloroethyl)ether	ND	1.0	1.0	ug/L	1	11/10/18	PS	SW8270D

Project ID: 842-848 FLUSHING AVE, BROOKLYN
Client ID: 18MW1

Phoenix I.D.: CB90216

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Bis(2-chloroisopropyl)ether	ND	7.9	2.2	ug/L	1	11/10/18	PS	SW8270D
Carbazole	ND	7.9	6.0	ug/L	1	11/10/18	PS	SW8270D
Dibenzofuran	ND	5.0	2.3	ug/L	1	11/10/18	PS	SW8270D
Diethyl phthalate	ND	7.9	2.5	ug/L	1	11/10/18	PS	SW8270D
Dimethylphthalate	ND	7.9	2.4	ug/L	1	11/10/18	PS	SW8270D
Di-n-butylphthalate	ND	7.9	2.1	ug/L	1	11/10/18	PS	SW8270D
Di-n-octylphthalate	ND	7.9	2.0	ug/L	1	11/10/18	PS	SW8270D
Fluoranthene	ND	7.9	2.5	ug/L	1	11/10/18	PS	SW8270D
Fluorene	ND	7.9	2.6	ug/L	1	11/10/18	PS	SW8270D
Hexachlorocyclopentadiene	ND	5.0	2.4	ug/L	1	11/10/18	PS	SW8270D
Isophorone	ND	7.9	2.2	ug/L	1	11/10/18	PS	SW8270D
Naphthalene	ND	5.0	2.3	ug/L	1	11/10/18	PS	SW8270D
N-Nitrosodi-n-propylamine	ND	7.9	2.5	ug/L	1	11/10/18	PS	SW8270D
N-Nitrosodiphenylamine	ND	7.9	3.0	ug/L	1	11/10/18	PS	SW8270D
Phenol	1.6	1.0	1.0	ug/L	1	11/10/18	PS	SW8270D
Pyrene	ND	7.9	2.7	ug/L	1	11/10/18	PS	SW8270D
Pyridine	ND	16	1.9	ug/L	1	11/10/18	PS	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	99			%	1	11/10/18	PS	15 - 110 %
% 2-Fluorobiphenyl	63			%	1	11/10/18	PS	30 - 130 %
% 2-Fluorophenol	41			%	1	11/10/18	PS	15 - 110 %
% Nitrobenzene-d5	59			%	1	11/10/18	PS	30 - 130 %
% Phenol-d5	41			%	1	11/10/18	PS	15 - 110 %
% Terphenyl-d14	52			%	1	11/10/18	PS	30 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.79	0.79	ug/L	1	11/09/18	PS	SW8270D (SIM)
Acenaphthylene	ND	0.16	0.16	ug/L	1	11/09/18	PS	SW8270D (SIM)
Benz(a)anthracene	0.24	0.03	0.03	ug/L	1	11/09/18	PS	SW8270D (SIM)
Benzo(a)pyrene	0.16	0.03	0.03	ug/L	1	11/09/18	PS	SW8270D (SIM)
Benzo(b)fluoranthene	0.25	0.03	0.03	ug/L	1	11/09/18	PS	SW8270D (SIM)
Benzo(ghi)perylene	0.18	0.03	0.03	ug/L	1	11/09/18	PS	SW8270D (SIM)
Benzo(k)fluoranthene	0.18	0.03	0.03	ug/L	1	11/09/18	PS	SW8270D (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.6	1.6	ug/L	1	11/09/18	PS	SW8270D (SIM)
Chrysene	0.27	0.03	0.03	ug/L	1	11/09/18	PS	SW8270D (SIM)
Dibenz(a,h)anthracene	0.05	0.03	0.03	ug/L	1	11/09/18	PS	SW8270D (SIM)
Hexachlorobenzene	ND	0.03	0.03	ug/L	1	11/09/18	PS	SW8270D (SIM)
Hexachlorobutadiene	ND	0.47	0.47	ug/L	1	11/09/18	PS	SW8270D (SIM)
Hexachloroethane	ND	0.79	0.79	ug/L	1	11/09/18	PS	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	0.20	0.03	0.03	ug/L	1	11/09/18	PS	SW8270D (SIM)
Nitrobenzene	ND	0.16	0.16	ug/L	1	11/09/18	PS	SW8270D (SIM)
N-Nitrosodimethylamine	ND	0.16	0.16	ug/L	1	11/09/18	PS	SW8270D (SIM)
Pentachloronitrobenzene	ND	0.16	0.16	ug/L	1	11/09/18	PS	SW8270D (SIM)
Pentachlorophenol	ND	0.16	0.16	ug/L	1	11/09/18	PS	SW8270D (SIM)
Phenanthrene	0.45	0.16	0.16	ug/L	1	11/09/18	PS	SW8270D (SIM)
QA/QC Surrogates								
% 2,4,6-Tribromophenol	97			%	1	11/09/18	PS	15 - 110 %
% 2-Fluorobiphenyl	62			%	1	11/09/18	PS	30 - 130 %
% 2-Fluorophenol	44			%	1	11/09/18	PS	15 - 110 %
% Nitrobenzene-d5	60			%	1	11/09/18	PS	30 - 130 %

Project ID: 842-848 FLUSHING AVE, BROOKLYN
Client ID: 18MW1

Phoenix I.D.: CB90216

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Phenol-d5	42			%	1	11/09/18	PS	15 - 110 %
% Terphenyl-d14	57			%	1	11/09/18	PS	30 - 130 %

1 = This parameter is not certified by the primary accrediting authority (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 at RL/PQL
BRL=Below Reporting Level L=Biased Low 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.

Semi-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.
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Phyllis Shiller, Laboratory Director
November 14, 2018
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 14, 2018

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	TC	11/07/18	
Location Code:	EBC	Received by:	CP	11/07/18	16:24
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCB90216
Phoenix ID: CB90217

Project ID: 842-848 FLUSHING AVE, BROOKLYN
Client ID: 18MW2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Semi-Volatile Extraction	Completed					11/07/18	P/R/D	SW3520C	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	11/08/18	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	11/08/18	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	11/08/18	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	

Project ID: 842-848 FLUSHING AVE, BROOKLYN
Client ID: 18MW2

Phoenix I.D.: CB90217

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
4-Methyl-2-pentanone	ND		2.5	2.5	ug/L	1	11/08/18	MH	SW8260C	
Acetone	15	S	5.0	2.5	ug/L	1	11/08/18	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	11/08/18	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	11/08/18	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	11/08/18	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	11/08/18	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	11/08/18	MH	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	11/08/18	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	11/08/18	MH	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	11/08/18	MH	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	11/08/18	MH	SW8260C	1
Toluene	0.27	J	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	11/08/18	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	11/08/18	MH	SW8260C	
Trichloroethene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	102				%	1	11/08/18	MH	70 - 130 %	
% Bromofluorobenzene	99				%	1	11/08/18	MH	70 - 130 %	

Ver 1

Project ID: 842-848 FLUSHING AVE, BROOKLYN
Client ID: 18MW2

Phoenix I.D.: CB90217

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Dibromofluoromethane	103				%	1	11/08/18	MH	70 - 130 %
% Toluene-d8	99				%	1	11/08/18	MH	70 - 130 %
1,4-dioxane									
1,4-dioxane	ND		100		ug/l	1	11/08/18	MH	SW8260C
Volatiles									
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L	1	11/08/18	MH	SW8260C
Acrolein	ND		5.0		ug/L	1	11/08/18	MH	SW8260C
Acrylonitrile	ND		5.0		ug/L	1	11/08/18	MH	SW8260C
Tert-butyl alcohol	ND		50		ug/L	1	11/08/18	MH	SW8260C
Semivolatiles									
1,2,4-Trichlorobenzene	ND		9.1	2.7	ug/L	1	11/10/18	PS	SW8270D
1,2-Dichlorobenzene	ND		1.8	1.8	ug/L	1	11/10/18	PS	SW8270D
1,2-Diphenylhydrazine	ND		9.1	3.0	ug/L	1	11/10/18	PS	SW8270D
1,3-Dichlorobenzene	ND		1.8	1.8	ug/L	1	11/10/18	PS	SW8270D
1,4-Dichlorobenzene	ND		1.8	1.8	ug/L	1	11/10/18	PS	SW8270D
2,4,5-Trichlorophenol	ND		1.0	1.0	ug/L	1	11/10/18	PS	SW8270D
2,4,6-Trichlorophenol	ND		1.0	1.0	ug/L	1	11/10/18	PS	SW8270D
2,4-Dichlorophenol	ND		1.0	1.0	ug/L	1	11/10/18	PS	SW8270D
2,4-Dimethylphenol	ND		1.0	1.0	ug/L	1	11/10/18	PS	SW8270D
2,4-Dinitrophenol	ND		1.0	1.0	ug/L	1	11/10/18	PS	SW8270D
2,4-Dinitrotoluene	ND		5.0	3.6	ug/L	1	11/10/18	PS	SW8270D
2,6-Dinitrotoluene	ND		5.0	2.9	ug/L	1	11/10/18	PS	SW8270D
2-Chloronaphthalene	ND		9.1	2.6	ug/L	1	11/10/18	PS	SW8270D
2-Chlorophenol	ND		1.0	1.0	ug/L	1	11/10/18	PS	SW8270D
2-Methylnaphthalene	2.9	J	9.1	2.7	ug/L	1	11/10/18	PS	SW8270D
2-Methylphenol (o-cresol)	ND		1.0	1.0	ug/L	1	11/10/18	PS	SW8270D
2-Nitroaniline	ND		5.0	3.6	ug/L	1	11/10/18	PS	SW8270D
2-Nitrophenol	ND		1.0	1.0	ug/L	1	11/10/18	PS	SW8270D
3&4-Methylphenol (m&p-cresol)	ND		1.8	1.8	ug/L	1	11/10/18	PS	SW8270D
3,3'-Dichlorobenzidine	ND		5.0	4.3	ug/L	1	11/10/18	PS	SW8270D
3-Nitroaniline	ND		5.0	3.6	ug/L	1	11/10/18	PS	SW8270D
4,6-Dinitro-2-methylphenol	ND		1.0	1.0	ug/L	1	11/10/18	PS	SW8270D
4-Bromophenyl phenyl ether	ND		9.1	2.7	ug/L	1	11/10/18	PS	SW8270D
4-Chloro-3-methylphenol	ND		1.0	1.0	ug/L	1	11/10/18	PS	SW8270D
4-Chloroaniline	ND		5.0	4.2	ug/L	1	11/10/18	PS	SW8270D
4-Chlorophenyl phenyl ether	ND		9.1	3.1	ug/L	1	11/10/18	PS	SW8270D
4-Nitroaniline	ND		5.0	3.0	ug/L	1	11/10/18	PS	SW8270D
4-Nitrophenol	ND		1.0	1.0	ug/L	1	11/10/18	PS	SW8270D
Acenaphthene	ND		9.1	2.8	ug/L	1	11/10/18	PS	SW8270D
Acetophenone	ND		9.1	2.8	ug/L	1	11/10/18	PS	SW8270D
Aniline	ND		5.0	5.0	ug/L	1	11/10/18	PS	SW8270D
Anthracene	ND		9.1	3.0	ug/L	1	11/10/18	PS	SW8270D
Benzidine	ND		4.6	4.6	ug/L	1	11/10/18	PS	SW8270D
Benzoic acid	160		46	18	ug/L	1	11/10/18	PS	SW8270D
Benzyl butyl phthalate	ND		9.1	2.3	ug/L	1	11/10/18	PS	SW8270D
Bis(2-chloroethoxy)methane	ND		5.0	2.5	ug/L	1	11/10/18	PS	SW8270D
Bis(2-chloroethyl)ether	ND		1.0	1.0	ug/L	1	11/10/18	PS	SW8270D

Project ID: 842-848 FLUSHING AVE, BROOKLYN
Client ID: 18MW2

Phoenix I.D.: CB90217

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Bis(2-chloroisopropyl)ether	ND	9.1	2.5	ug/L	1	11/10/18	PS	SW8270D
Carbazole	ND	9.1	6.9	ug/L	1	11/10/18	PS	SW8270D
Dibenzofuran	ND	5.0	2.7	ug/L	1	11/10/18	PS	SW8270D
Diethyl phthalate	ND	9.1	2.9	ug/L	1	11/10/18	PS	SW8270D
Dimethylphthalate	ND	9.1	2.8	ug/L	1	11/10/18	PS	SW8270D
Di-n-butylphthalate	ND	9.1	2.4	ug/L	1	11/10/18	PS	SW8270D
Di-n-octylphthalate	ND	9.1	2.3	ug/L	1	11/10/18	PS	SW8270D
Fluoranthene	ND	9.1	2.9	ug/L	1	11/10/18	PS	SW8270D
Fluorene	ND	9.1	3.0	ug/L	1	11/10/18	PS	SW8270D
Hexachlorocyclopentadiene	ND	5.0	2.8	ug/L	1	11/10/18	PS	SW8270D
Isophorone	ND	9.1	2.5	ug/L	1	11/10/18	PS	SW8270D
Naphthalene	ND	5.0	2.6	ug/L	1	11/10/18	PS	SW8270D
N-Nitrosodi-n-propylamine	ND	9.1	2.9	ug/L	1	11/10/18	PS	SW8270D
N-Nitrosodiphenylamine	ND	9.1	3.5	ug/L	1	11/10/18	PS	SW8270D
Phenol	ND	1.0	1.0	ug/L	1	11/10/18	PS	SW8270D
Pyrene	ND	9.1	3.1	ug/L	1	11/10/18	PS	SW8270D
Pyridine	ND	18	2.2	ug/L	1	11/10/18	PS	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	94			%	1	11/10/18	PS	15 - 110 %
% 2-Fluorobiphenyl	64			%	1	11/10/18	PS	30 - 130 %
% 2-Fluorophenol	37			%	1	11/10/18	PS	15 - 110 %
% Nitrobenzene-d5	66			%	1	11/10/18	PS	30 - 130 %
% Phenol-d5	69			%	1	11/10/18	PS	15 - 110 %
% Terphenyl-d14	62			%	1	11/10/18	PS	30 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.91	0.91	ug/L	1	11/09/18	PS	SW8270D (SIM)
Acenaphthylene	ND	0.18	0.18	ug/L	1	11/09/18	PS	SW8270D (SIM)
Benz(a)anthracene	ND	0.04	0.04	ug/L	1	11/09/18	PS	SW8270D (SIM)
Benzo(a)pyrene	ND	0.04	0.04	ug/L	1	11/09/18	PS	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.04	0.04	ug/L	1	11/09/18	PS	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.04	0.04	ug/L	1	11/09/18	PS	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.04	0.04	ug/L	1	11/09/18	PS	SW8270D (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.8	1.8	ug/L	1	11/09/18	PS	SW8270D (SIM)
Chrysene	ND	0.04	0.04	ug/L	1	11/09/18	PS	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.04	0.04	ug/L	1	11/09/18	PS	SW8270D (SIM)
Hexachlorobenzene	ND	0.04	0.04	ug/L	1	11/09/18	PS	SW8270D (SIM)
Hexachlorobutadiene	ND	0.46	0.46	ug/L	1	11/09/18	PS	SW8270D (SIM)
Hexachloroethane	ND	0.91	0.91	ug/L	1	11/09/18	PS	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.04	0.04	ug/L	1	11/09/18	PS	SW8270D (SIM)
Nitrobenzene	ND	0.18	0.18	ug/L	1	11/09/18	PS	SW8270D (SIM)
N-Nitrosodimethylamine	ND	0.18	0.18	ug/L	1	11/09/18	PS	SW8270D (SIM)
Pentachloronitrobenzene	ND	0.18	0.18	ug/L	1	11/09/18	PS	SW8270D (SIM)
Pentachlorophenol	ND	0.18	0.18	ug/L	1	11/09/18	PS	SW8270D (SIM)
Phenanthrene	0.87	0.18	0.18	ug/L	1	11/09/18	PS	SW8270D (SIM)
QA/QC Surrogates								
% 2,4,6-Tribromophenol	88			%	1	11/09/18	PS	15 - 110 %
% 2-Fluorobiphenyl	63			%	1	11/09/18	PS	30 - 130 %
% 2-Fluorophenol	44			%	1	11/09/18	PS	15 - 110 %
% Nitrobenzene-d5	66			%	1	11/09/18	PS	30 - 130 %

Project ID: 842-848 FLUSHING AVE, BROOKLYN
Client ID: 18MW2

Phoenix I.D.: CB90217

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Phenol-d5	53			%	1	11/09/18	PS	15 - 110 %
% Terphenyl-d14	60			%	1	11/09/18	PS	30 - 130 %

1 = This parameter is not certified by the primary accrediting authority (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 at RL/PQL
BRL=Below Reporting Level L=Biased Low 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.

Semi-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.
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Phyllis Shiller, Laboratory Director
November 14, 2018
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 14, 2018

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	TC	11/07/18	
Location Code:	EBC	Received by:	CP	11/07/18	16:24
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCB90216
Phoenix ID: CB90218

Project ID: 842-848 FLUSHING AVE, BROOKLYN
Client ID: GW DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	11/08/18	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	11/08/18	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	11/08/18	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	11/08/18	MH	SW8260C	

Project ID: 842-848 FLUSHING AVE, BROOKLYN
Client ID: GW DUPLICATE

Phoenix I.D.: CB90218

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	49	S	25	13	ug/L	5	11/09/18	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	11/08/18	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	11/08/18	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	11/08/18	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	11/08/18	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	11/08/18	MH	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
m&p-Xylene	0.45	J	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Methyl ethyl ketone	5.1		2.5	2.5	ug/L	1	11/08/18	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	11/08/18	MH	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	11/08/18	MH	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Tetrachloroethene	0.63	J	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	11/08/18	MH	SW8260C	1
Toluene	0.89	J	1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	11/08/18	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	11/08/18	MH	SW8260C	
Trichloroethene	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	11/08/18	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	100				%	1	11/08/18	MH	70 - 130 %	
% Bromofluorobenzene	96				%	1	11/08/18	MH	70 - 130 %	
% Dibromofluoromethane	95				%	1	11/08/18	MH	70 - 130 %	

Ver 1

Project ID: 842-848 FLUSHING AVE, BROOKLYN
Client ID: GW DUPLICATE

Phoenix I.D.: CB90218

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	101			%	1	11/08/18	MH	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100		ug/l	1	11/08/18	MH	SW8260C
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	11/08/18	MH	SW8260C
Acrolein	ND	5.0		ug/L	1	11/08/18	MH	SW8260C
Acrylonitrile	ND	5.0		ug/L	1	11/08/18	MH	SW8260C
Tert-butyl alcohol	ND	50		ug/L	1	11/08/18	MH	SW8260C

1 = This parameter is not certified by the primary accrediting authority (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 at RL/PQL
BRL=Below Reporting Level L=Biased Low 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:

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.
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Phyllis Shiller, Laboratory Director
November 14, 2018
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 14, 2018

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	TC	11/07/18	
Location Code:	EBC	Received by:	CP	11/07/18	16:24
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCB90216
Phoenix ID: CB90219

Project ID: 842-848 FLUSHING AVE, BROOKLYN
Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	11/07/18	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	11/07/18	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	11/07/18	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	11/07/18	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	11/07/18	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	11/07/18	MH	SW8260C	

Project ID: 842-848 FLUSHING AVE, BROOKLYN

Client ID: TRIP BLANK

Phoenix I.D.: CB90219

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	3.3	JS	5.0	2.5	ug/L	1	11/07/18	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	11/07/18	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	11/07/18	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	11/07/18	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	11/07/18	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	11/07/18	MH	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	11/07/18	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	11/07/18	MH	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	11/07/18	MH	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	11/07/18	MH	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	11/07/18	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	11/07/18	MH	SW8260C	
Trichloroethene	ND		1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	11/07/18	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	99				%	1	11/07/18	MH	70 - 130 %	
% Bromofluorobenzene	95				%	1	11/07/18	MH	70 - 130 %	
% Dibromofluoromethane	103				%	1	11/07/18	MH	70 - 130 %	

Ver 1

Project ID: 842-848 FLUSHING AVE, BROOKLYN

Client ID: TRIP BLANK

Phoenix I.D.: CB90219

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	101			%	1	11/07/18	MH	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100		ug/l	1	11/07/18	MH	SW8260C
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	11/07/18	MH	SW8260C
Acrolein	ND	5.0		ug/L	1	11/07/18	MH	SW8260C
Acrylonitrile	ND	5.0		ug/L	1	11/07/18	MH	SW8260C
Tert-butyl alcohol	ND	50		ug/L	1	11/07/18	MH	SW8260C

1 = This parameter is not certified by the primary accrediting authority (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 at RL/PQL
BRL=Below Reporting Level L=Biased Low 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:

TRIP BLANK INCLUDED.

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.
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Phyllis Shiller, Laboratory Director

November 14, 2018

Reviewed and Released by: Phyllis Shiller, Laboratory Director

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

November 14, 2018

QA/QC Data

SDG I.D.: GCB90216

QA/QC Batch 455305 (ug/L), QC Sample No: CB88859 (CB90216, CB90217)

Semivolatiles - Ground Water

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2,4-Trichlorobenzene	ND	3.5	68	70	2.9				30 - 130	20	
1,2-Dichlorobenzene	ND	1.0	62	65	4.7				30 - 130	20	
1,2-Diphenylhydrazine	ND	1.6	80	83	3.7				30 - 130	20	
1,3-Dichlorobenzene	ND	1.0	62	63	1.6				30 - 130	20	
1,4-Dichlorobenzene	ND	1.0	63	66	4.7				30 - 130	20	
2,4,5-Trichlorophenol	ND	1.0	82	85	3.6				30 - 130	20	
2,4,6-Trichlorophenol	ND	1.0	83	86	3.6				30 - 130	20	
2,4-Dichlorophenol	ND	1.0	74	76	2.7				30 - 130	20	
2,4-Dimethylphenol	ND	1.0	75	79	5.2				30 - 130	20	
2,4-Dinitrophenol	ND	1.0	78	87	10.9				30 - 130	20	
2,4-Dinitrotoluene	ND	3.5	98	98	0.0				30 - 130	20	
2,6-Dinitrotoluene	ND	3.5	94	93	1.1				30 - 130	20	
2-Chloronaphthalene	ND	3.5	78	80	2.5				30 - 130	20	
2-Chlorophenol	ND	1.0	60	63	4.9				30 - 130	20	
2-Methylnaphthalene	ND	3.5	70	76	8.2				30 - 130	20	
2-Methylphenol (o-cresol)	ND	1.0	61	63	3.2				30 - 130	20	
2-Nitroaniline	ND	3.5	132	133	0.8				30 - 130	20	I
2-Nitrophenol	ND	1.0	80	84	4.9				30 - 130	20	
3&4-Methylphenol (m&p-cresol)	ND	1.0	66	71	7.3				30 - 130	20	
3,3'-Dichlorobenzidine	ND	5.0	102	85	18.2				30 - 130	20	
3-Nitroaniline	ND	5.0	107	109	1.9				30 - 130	20	
4,6-Dinitro-2-methylphenol	ND	1.0	91	98	7.4				30 - 130	20	
4-Bromophenyl phenyl ether	ND	3.5	90	90	0.0				30 - 130	20	
4-Chloro-3-methylphenol	ND	1.0	84	89	5.8				30 - 130	20	
4-Chloroaniline	ND	3.5	76	68	11.1				30 - 130	20	
4-Chlorophenyl phenyl ether	ND	1.0	87	91	4.5				30 - 130	20	
4-Nitroaniline	ND	5.0	90	95	5.4				30 - 130	20	
4-Nitrophenol	ND	1.0	92	96	4.3				15 - 130	20	
Acenaphthene	ND	1.5	77	82	6.3				30 - 130	20	
Acetophenone	ND	3.5	64	69	7.5				30 - 130	20	
Aniline	ND	3.5	54	22	84.2				30 - 130	20	I,r
Anthracene	ND	1.5	88	89	1.1				30 - 130	20	
Benzidine	ND	4.5	100	100	0.0				30 - 130	20	
Benzoic acid	ND	10	47	56	17.5				30 - 130	20	
Benzyl butyl phthalate	ND	1.5	95	97	2.1				30 - 130	20	
Bis(2-chloroethoxy)methane	ND	3.5	71	75	5.5				30 - 130	20	
Bis(2-chloroethyl)ether	ND	1.0	57	56	1.8				30 - 130	20	
Bis(2-chloroisopropyl)ether	ND	1.0	54	56	3.6				30 - 130	20	
Carbazole	ND	5.0	93	93	0.0				30 - 130	20	
Dibenzofuran	ND	3.5	80	84	4.9				30 - 130	20	
Diethyl phthalate	ND	1.5	92	94	2.2				30 - 130	20	

QA/QC Data

SDG I.D.: GCB90216

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Dimethylphthalate	ND	1.5	90	91	1.1				30 - 130	20
Di-n-butylphthalate	ND	1.5	97	99	2.0				30 - 130	20
Di-n-octylphthalate	ND	1.5	102	106	3.8				30 - 130	20
Fluoranthene	ND	1.5	94	94	0.0				30 - 130	20
Fluorene	ND	1.5	85	86	1.2				30 - 130	20
Hexachlorocyclopentadiene	ND	3.5	26	29	10.9				30 - 130	20
Isophorone	ND	3.5	67	74	9.9				30 - 130	20
Naphthalene	ND	1.5	66	71	7.3				30 - 130	20
N-Nitrosodi-n-propylamine	ND	3.5	74	79	6.5				30 - 130	20
N-Nitrosodiphenylamine	ND	3.5	83	86	3.6				30 - 130	20
Phenol	ND	1.0	56	55	1.8				15 - 130	20
Pyrene	ND	1.5	94	95	1.1				30 - 130	20
Pyridine	ND	5.0	38	31	20.3				30 - 130	20
% 2,4,6-Tribromophenol	94	%	97	100	3.0				15 - 110	20
% 2-Fluorobiphenyl	63	%	65	69	6.0				30 - 130	20
% 2-Fluorophenol	59	%	48	47	2.1				15 - 110	20
% Nitrobenzene-d5	60	%	60	62	3.3				30 - 130	20
% Phenol-d5	59	%	53	51	3.8				15 - 110	20
% Terphenyl-d14	75	%	76	78	2.6				30 - 130	20

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 455305 (ug/L), QC Sample No: CB88859 (CB90216, CB90217)

Semivolatiles (SIM) - Ground Water

1,2,4,5-Tetrachlorobenzene	ND	0.50	53	57	7.3				30 - 130	20
Acenaphthylene	ND	0.02	56	62	10.2				30 - 130	20
Benz(a)anthracene	ND	0.02	71	77	8.1				30 - 130	20
Benzo(a)pyrene	ND	0.02	65	74	12.9				30 - 130	20
Benzo(b)fluoranthene	ND	0.02	72	80	10.5				30 - 130	20
Benzo(ghi)perylene	ND	0.02	61	67	9.4				30 - 130	20
Benzo(k)fluoranthene	ND	0.02	68	74	8.5				30 - 130	20
Bis(2-ethylhexyl)phthalate	ND	0.20	96	104	8.0				30 - 130	20
Chrysene	ND	0.02	70	75	6.9				30 - 130	20
Dibenz(a,h)anthracene	ND	0.02	72	80	10.5				30 - 130	20
Hexachlorobenzene	ND	0.02	72	84	15.4				30 - 130	20
Hexachlorobutadiene	ND	0.05	48	50	4.1				30 - 130	20
Hexachloroethane	ND	0.05	39	42	7.4				30 - 130	20
Indeno(1,2,3-cd)pyrene	ND	0.02	69	76	9.7				30 - 130	20
Nitrobenzene	ND	0.05	54	58	7.1				30 - 130	20
N-Nitrosodimethylamine	ND	0.05	44	44	0.0				30 - 130	20
Pentachloronitrobenzene	ND	0.10	79	82	3.7				30 - 130	20
Pentachlorophenol	ND	0.20	117	123	5.0				30 - 130	20
Phenanthrene	ND	0.02	66	71	7.3				30 - 130	20
% 2,4,6-Tribromophenol	86	%	82	87	5.9				15 - 110	20
% 2-Fluorobiphenyl	64	%	55	61	10.3				30 - 130	20
% 2-Fluorophenol	58	%	41	41	0.0				15 - 110	20
% Nitrobenzene-d5	70	%	51	54	5.7				30 - 130	20
% Phenol-d5	64	%	44	43	2.3				15 - 110	20
% Terphenyl-d14	74	%	67	73	8.6				30 - 130	20

Comment:

Additional 8270 criteria:20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Data

SDG I.D.: GCB90216

QA/QC Batch 455427 (ug/L), QC Sample No: CB90219 (CB90216, CB90217, CB90218, CB90219)

Volatiles - Ground Water

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,1,1,2-Tetrachloroethane	ND	1.0	100	101	1.0				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	96	96	0.0				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	111	108	2.7				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	105	109	3.7				70 - 130	30
1,1-Dichloroethane	ND	1.0	99	100	1.0				70 - 130	30
1,1-Dichloroethene	ND	1.0	97	99	2.0				70 - 130	30
1,1-Dichloropropene	ND	1.0	103	103	0.0				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	101	110	8.5				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	100	105	4.9				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	107	115	7.2				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	97	97	0.0				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	105	108	2.8				70 - 130	30
1,2-Dibromoethane	ND	1.0	100	102	2.0				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	101	102	1.0				70 - 130	30
1,2-Dichloroethane	ND	1.0	106	107	0.9				70 - 130	30
1,2-Dichloropropane	ND	1.0	101	101	0.0				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	96	94	2.1				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	100	99	1.0				70 - 130	30
1,3-Dichloropropane	ND	1.0	100	102	2.0				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	101	101	0.0				70 - 130	30
1,4-dioxane	ND	100	92	87	5.6				70 - 130	30
2,2-Dichloropropane	ND	1.0	99	99	0.0				70 - 130	30
2-Chlorotoluene	ND	1.0	97	95	2.1				70 - 130	30
2-Hexanone	ND	5.0	104	104	0.0				70 - 130	30
2-Isopropyltoluene	ND	1.0	95	94	1.1				70 - 130	30
4-Chlorotoluene	ND	1.0	98	97	1.0				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	102	103	1.0				70 - 130	30
Acetone	ND	5.0	102	102	0.0				70 - 130	30
Acrolein	ND	5.0	94	94	0.0				70 - 130	30
Acrylonitrile	ND	5.0	102	96	6.1				70 - 130	30
Benzene	ND	0.70	101	99	2.0				70 - 130	30
Bromobenzene	ND	1.0	101	102	1.0				70 - 130	30
Bromochloromethane	ND	1.0	102	102	0.0				70 - 130	30
Bromodichloromethane	ND	0.50	98	101	3.0				70 - 130	30
Bromoform	ND	1.0	103	97	6.0				70 - 130	30
Bromomethane	ND	1.0	110	105	4.7				70 - 130	30
Carbon Disulfide	ND	1.0	95	94	1.1				70 - 130	30
Carbon tetrachloride	ND	1.0	96	97	1.0				70 - 130	30
Chlorobenzene	ND	1.0	99	100	1.0				70 - 130	30
Chloroethane	ND	1.0	97	99	2.0				70 - 130	30
Chloroform	ND	1.0	95	98	3.1				70 - 130	30
Chloromethane	ND	1.0	95	96	1.0				70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	99	100	1.0				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	100	100	0.0				70 - 130	30
Dibromochloromethane	ND	0.50	104	101	2.9				70 - 130	30
Dibromomethane	ND	1.0	100	105	4.9				70 - 130	30
Dichlorodifluoromethane	ND	1.0	98	99	1.0				70 - 130	30
Ethylbenzene	ND	1.0	97	95	2.1				70 - 130	30
Hexachlorobutadiene	ND	0.40	101	102	1.0				70 - 130	30
Isopropylbenzene	ND	1.0	99	99	0.0				70 - 130	30

QA/QC Data

SDG I.D.: GCB90216

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
m&p-Xylene	ND	1.0	97	96	1.0				70 - 130	30
Methyl ethyl ketone	ND	5.0	101	100	1.0				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	101	104	2.9				70 - 130	30
Methylene chloride	ND	1.0	97	100	3.0				70 - 130	30
Naphthalene	ND	1.0	109	114	4.5				70 - 130	30
n-Butylbenzene	ND	1.0	99	98	1.0				70 - 130	30
n-Propylbenzene	ND	1.0	98	96	2.1				70 - 130	30
o-Xylene	ND	1.0	97	96	1.0				70 - 130	30
p-Isopropyltoluene	ND	1.0	96	96	0.0				70 - 130	30
sec-Butylbenzene	ND	1.0	102	102	0.0				70 - 130	30
Styrene	ND	1.0	98	98	0.0				70 - 130	30
tert-butyl alcohol	ND	10	98	101	3.0				70 - 130	30
tert-Butylbenzene	ND	1.0	96	96	0.0				70 - 130	30
Tetrachloroethene	ND	1.0	104	99	4.9				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	96	98	2.1				70 - 130	30
Toluene	ND	1.0	98	99	1.0				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	100	104	3.9				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	94	96	2.1				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	54	56	3.6				70 - 130	30
Trichloroethene	ND	1.0	102	102	0.0				70 - 130	30
Trichlorofluoromethane	ND	1.0	99	101	2.0				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	92	97	5.3				70 - 130	30
Vinyl chloride	ND	1.0	101	102	1.0				70 - 130	30
% 1,2-dichlorobenzene-d4	101	%	103	101	2.0				70 - 130	30
% Bromofluorobenzene	100	%	100	98	2.0				70 - 130	30
% Dibromofluoromethane	98	%	102	100	2.0				70 - 130	30
% Toluene-d8	98	%	100	98	2.0				70 - 130	30

Comment:

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

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

QA/QC Batch 455649 (ug/L), QC Sample No: CB90321 (CB90216 (5X) , CB90218 (5X))

Volatiles - Ground Water

Acetone	ND	5.0	75	83	10.1	92	73	23.0	70 - 130	30

Comment:

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

l = This parameter is outside laboratory LCS/LCSD specified recovery limits.
r = This parameter is outside laboratory RPD specified recovery limits.

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

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

Phyllis Shiller, Laboratory Director
November 14, 2018

Wednesday, November 14, 2018

Criteria: NY: 375GWP, GW

State: NY

Sample Criteria Exceedances Report

GCB90216 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CB90216	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CB90216	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CB90216	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CB90216	$DP8270-SIMF	2,4,5-Trichlorophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	1.6	1	1	ug/L
CB90216	$DP8270-SIMF	Phenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	1.6	1.0	1	1	ug/L
CB90216	$DP8270-SIMF	Benzoic acid	NY / TAGM - Volatile Organics / Groundwater Standards	80	39	50	50	ug/L
CB90216	$DP8270-SIMF	2,4,5-Trichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	1.6	1	1	ug/L
CB90216	$DP8270-SIMF	2,4,6-Trichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	1.6	1	1	ug/L
CB90216	$DP8270-SIMF	Phenol	NY / TOGS - Water Quality / GA Criteria	1.6	1.0	1	1	ug/L
CB90216	$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.24	0.03	0.002	0.002	ug/L
CB90216	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.20	0.03	0.002	0.002	ug/L
CB90216	$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.27	0.03	0.002	0.002	ug/L
CB90216	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.18	0.03	0.002	0.002	ug/L
CB90216	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.25	0.03	0.002	0.002	ug/L
CB90216	$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.16	0.03	0.002	0.002	ug/L
CB90216	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.25	0.03	0.002	0.002	ug/L
CB90216	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.18	0.03	0.002	0.002	ug/L
CB90216	$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.27	0.03	0.002	0.002	ug/L
CB90216	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	0.20	0.03	0.002	0.002	ug/L
CB90216	$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.24	0.03	0.002	0.002	ug/L
CB90217	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CB90217	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CB90217	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CB90217	$DP8270-SIMF	Benzoic acid	NY / TAGM - Volatile Organics / Groundwater Standards	160	46	50	50	ug/L
CB90217	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.04	0.002	0.002	ug/L
CB90217	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.04	0.002	0.002	ug/L
CB90217	$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.04	0.002	0.002	ug/L
CB90217	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.04	0.002	0.002	ug/L
CB90217	$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.04	0.002	0.002	ug/L
CB90217	$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.04	0.002	0.002	ug/L
CB90217	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.04	0.002	0.002	ug/L
CB90217	$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.04	0.002	0.002	ug/L
CB90217	$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.04	0.002	0.002	ug/L
CB90217	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.04	0.002	0.002	ug/L
CB90217	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.04	0.002	0.002	ug/L
CB90218	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CB90218	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CB90218	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CB90219	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CB90219	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L

Wednesday, November 14, 2018

Criteria: NY: 375GWP, GW

State: NY

Sample Criteria Exceedances Report

GCB90216 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CB90219	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L

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

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

November 14, 2018 SDG I.D.: GCB90216

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report:

SVOA Narration

CHEM19 11/10/18-1: CB90216, CB90217

The following Initial Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.085 (0.1)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.087 (0.1), Bis(2-chloroethoxy)methane 0.282 (0.3), Bis(2-chloroethyl)ether 0.650 (0.7)
The following Continuing Calibration compounds did not meet minimum response factors: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

SVOASIM Narration

CHEM27 11/09/18-1: CB90216, CB90217

The following Initial Calibration compounds did not meet RSD% criteria: Hexachloroethane 28% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

VOA Narration

CHEM02 11/07/18-2: CB90216, CB90217, CB90218, CB90219

The following Initial Calibration compounds did not meet RSD% criteria: Bromomethane 34% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.
The following Initial Calibration compounds did not meet recommended response factors: 1,2-Dibromo-3-chloropropane 0.032 (0.05), 2-Hexanone 0.071 (0.1), 4-Methyl-2-pentanone 0.092 (0.1), Acetone 0.040 (0.1), Acrolein 0.032 (0.05), Methyl ethyl ketone 0.058 (0.1), Tetrahydrofuran (THF) 0.039 (0.05)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet % deviation criteria: trans-1,4-dichloro-2-butene 39%L (30%)
The following Continuing Calibration compounds did not meet Maximum % deviation criteria: None.
The following Continuing Calibration compounds did not meet recommended response factors: 1,1,2,2-Tetrachloroethane 0.269 (0.3), 1,2-Dibromo-3-chloropropane 0.031 (0.05), Acrolein 0.029 (0.05), Tetrahydrofuran (THF) 0.039 (0.05)
The following Continuing Calibration compounds did not meet minimum response factors: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

Environmental Laboratories, Inc.
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NY Temperature Narration

November 14, 2018

SDG I.D.: GCB90216

The samples in this delivery group were received at 1.4°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Cooler: Yes [X] No [ ]
Coolant: IPK [ ] ICE [X] No [ ]

NY/NJ CHAIN OF CUSTODY RECORD

Temp 4°C Pg 1 of 1

PHOENIX Environmental Laboratories, Inc.

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[✓] Phone: 631-504-6000
[✓] Email: file

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

Project: 842-848 Flushing Ave, Brooklyn
Report to: Environmental Business Consultants
Invoice to: Environmental Business Consultants

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Terra Cherry Date: 11-7-18

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

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOC's 8260	SVOC's 8270	Pest/PCBs	TAL Metals	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [X] HCl	GL Amber 1000ml [X] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
90216	18MW1	GW	11-7-18		X	X	X					3	1					
90217	18MW2	↓	↓		X	X	X					3	1					
90218	GW Duplicate	↓	↓		X							3						
90219	Trip blank				X							2						

Relinquished by:	Accepted by:	Date:	Time:
		11-7-18	12:45
		11-7-18	16:24

Comments, Special Requirements or Regulations:

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

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

NY
[X] NY 375 GWP
[ ] NY375 Unrestricted Use Soil
[ ] NY375 Residential Soil
[ ] Restricted/Residential
[ ] Commercial
[ ] Industrial

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

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

State where samples were collected: NY

Bobbi Aloisa

From: Bobbi Aloisa
Sent: Thursday, November 08, 2018 5:29 PM
To: kbrussee@ebcincny.com; Sarah Bell; Bobbi Aloisa
Subject: Flushing ave , no sample left
Attachments: GCB90216-ChainofCustody-1.pdf

HI Kevin
On the attached chain, there was only one amber liter sent in for SVOC, Pesticides and PCBs on 18MW1 and 18MW2. We would have needed 3 to complete the testing. We will only be able to run SVOCs on this chain. The chain doesn't have a PM listed on it either, so I defaulted to you :-)

Hope you are doing well-

Bobbi

Bobbi Aloisa
Vice President
Director of Client Services
Phoenix Environmental Laboratories
587 East Middle Turnpike
Manchester, CT 06040
Ph: 860-645-8728