188 E. 135TH STREET

BRONX, NEW YORK 10451

Remedial Investigation Report

E-Designation Number:
OER Site Number: 22TMP0517X, 22EH-N010X
VCP Number: 22VCP004X

Prepared for:

Waterfront Living II LLC
48 Bakertown Road, Suite 500
Monroe, New York 10950

Prepared by:

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14 EVANS LANE
MILLER PLACE, NY 11764

NOVEMBER 2021

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LIST OF ACRONYMS

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

CERTIFICATION

I, Kevin Brussee, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the Redevelopment Project located at 188 E. 135th Street, Bronx, New York 10451 (OER Project Number: 22TMP0517X, 22EH-N010X, NYC VCP Site No. 22CVCP004X). 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.

Kevin Brussee		
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 188 East 135th Street, Bronx, New York 10451 in the Mott Haven neighborhood of Bronx and is identified as a Block 2323, Lot 13 on the New York City Tax Map. The irregular-shaped lot consists of approximately 151.3 ft of street frontage along East 135th Street to the east, and 200.2 ft of street frontage along Park Avenue to the south. The Site extends between 110.9 ft and 210.2 ft to the west of East 135th Street and adjoins a CSX Transportation railroad right-of-way, which resides on NYC Tax Lot 5. The Harlem River is located approximately 20 ft to the west of the Site on the opposite side of the railroad tracks. The site covers an area that is approximately 25,464.24 square feet (SF) (0.58 acres).

The property is currently developed with a vacant, single-story building located on the east-central portion of the parcel with the building's front entrance facing E. 135th Street to the north. The single-story structure has a reported area of 6,500 SF and was most recently occupied by The Padded Wagon (a moving company). The perimeter of the Site is gated off from the public with a chain-link fence. An asphalt-paved parking lot and a small unpaved yard area comprise the remainder of the Site. The site is currently partially overgrown with tall weeds, small trees and shrubbery along the perimeter of the Site and through cracks in the asphalt. Sidewalks are located to the south and east, along Park Avenue and East 135th Street, respectively. Park Avenue is currently gated off from the public and is being used to store a couple work trailers and several vehicles; presumably associated with some nearby development/construction work.

Summary of Proposed Redevelopment Plan

The redevelopment project consists of constructing a new 11-story mixed use (residential and commercial) building, with an 16,308 SF irregular-shaped slab-on-grade foundation on the east

side of the Site along East 135th Street. The 1st and 2nd floors will both have a 16,308 SF footprint and the 3rd through 11th floors will cover an 8,700 SF area on each level. Narrow side yard areas will be present along Park Avenue on the east side of the Site and along Metro North's Harlem River Railroad Bridge on the north side of the Site, and a rear yard area that will include a 40 ft wide "shore public walkway", will be present on the west side of the site between the Harlem River and the CSX Transportation railroad tracks.

The 1st floor will cover a 16,308 SF area and will include a 6,400.24 SF retail space, a 2,763.88 SF residential lobby, a 2,528.98 SF recreation space, a 2,631.57 SF mechanical room, and a 1,983.33 SF parking entry with ramp leading to the 2nd floor parking garage. The 2nd floor will will consist of a parking garage for 53 vehicles, a bicycle storage area, elevator shafts, a stairwell and a ramp which will slope towards the main entrance/exit at the northeast corner of the Site. The 3rd through 11th floors will consist of 8,700 SF of residential space divided into 11 apartments on each level. Layout of the redevelopment plans are presented in Figure 3.

The proposed building's slab-on-grade foundation will require excavation to approximately 2 feet below existing grade across the Site plus an additional 3 feet (5 feet below grade) for the installation of an elevator pit and footings. The water table was encountered at approximately 8-9 ft below grade surface and therefore will not be encountered during excavation. As such, dewatering will not be required. The current zoning designation is residential (R7-2) with a commercial (C2-4) overlay. The proposed use of the new building is consistent with existing zoning for the property.

Summary of Past Uses of Site and Areas of Concern

A Phase I Screening Report was prepared by EBC in January 2018. The Phase I report identified several recognized environmental conditions (RECs) and other environmental concerns related to the historic use of the property, including a railroad yard, a coal yard, a contractor's storage/supply yard, its potential use as a dry cleaner, and the historic industrial use of the surrounding properties. In addition, the property was assigned an E-designation (E-227) for Hazmat and Noise during the Lower Concourse Rezoning and Related Actions completed by the City in June 2009 (CEQR 08DCP071X). The HazMat E-Designation requires the issuance of a

Notice to Proceed (NTP) by the NYCOER before the property can be redeveloped. The presence of HazMat E-designation is considered a business environmental risk (BER).

To evaluate potential impacts related to the historic use of the site, EBC conducted a Phase II Environmental Investigation across the Site. The January 2018 investigation and its findings are summarized in the following section.

Prior Environmental Investigations

Phase II Subsurface Investigation – EBC, January 2018

On January 12, 2018, EBC conducted a Phase II Subsurface Investigation which included the installation of 5 soil borings to collect 5 soil samples for laboratory analysis of VOCs, SVOCs, and metals, installation of 3 groundwater monitoring wells to collect three groundwater samples for laboratory analysis of VOCs, and installation of 2 soil vapor probes and 1 sub-slab soil gas implant to collect three samples for laboratory analysis of VOCs. Soil boring SB1 was installed to 12 ft below grade in the northeast corner of the Site, SB2 was installed to 9 ft on the northwest portion of the Site, SB3 was installed to 9 ft on the west side of the site, SB4 was installed to 10 ft on the southwest corner of the Site and SB5 was installed to 10 ft on the south side of the Site. A soil sample was collected from each of the 5 soil borings representing the deepest 2 ft interval of each soil boring: SB1(10-12), SB2(7-9), SB3(7-9), SB4(8-10), and SB5(8-10). Groundwater was encountered at approximately 10 to 12 ft below grade during soil boring installation and 3 of the 5 soil borings (SB1, SB3 and SB4) were extended to a depth of 3 ft below the water table to facilitate the collection of groundwater samples (GW1 through GW3). Additionally, 2 soil vapor points, SV1 (north side of site) and SV2 (south side) were installed to 6 ft below grade and a sub-slab soil gas implant (SS1) was installed just below the slab-on-grade foundation of the onsite building in the approximate center of the Site. The analytical results for the soil, groundwater and soil vapor samples collected by EBC in January 2018 are summarized below.

Soil Sample Results

No VOCs were detected above Unrestricted Use SCOs. Several SVOCs including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoroanthene, benzo(k)fluoroanthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene, were detected in soil sample SB1 (10- 12')

at concentrations exceeding their respective Unrestricted Use SCOs and/or Restricted Residential SCOs. One or more SVOCs were also detected in the SB2, SB3, and SB4 soil samples but at concentrations below Unrestricted Use SCOs. No SVOCs were detected in the SB5 soil sample.

The metals cadmium copper, lead, and/or mercury were detected above Restricted Residential SCOs within the SB2, SB3, and SB4 soil samples. No metals were detected above Unrestricted Use SCOs within the SB5 soil sample.

Groundwater Analytical Results

No VOCs were detected above GQS within any of the three groundwater samples collected as part of the 2018 Phase II Subsurface Investigation. However, ten petroleum-related VOCs were detected at concentrations below GQS in sample GW1 located in the northeast corner of the Site. Two VOCs were also detected below GQS in sample GW3 located the southwest portion of the Site. No VOCs were detected in sample GW2.

Soil Vapor Analytical Results

All three soil vapor/sub-slab samples contained tetrachloroethene (PCE) at concentrations ranging from 0.62 µg/m^3 to 5.73 µg/m^3. The chlorinated VOCs (CVOCs) trichloroethene (TCE) (max. 0.35 µg/m^3), vinyl chloride (max. 0.49 µg/m^3), and carbon tetrachloride (max. 0.33 µg/m^3) were also detected in one or more of the three soil vapor samples. The CVOCs 1,1-dichloroethene and cis-1,2-dichloroethene were not detected in the samples. Low levels of petroleum-related VOCs were also present in each of the samples. The total concentration of petroleum-related VOCs (BTEX compounds) ranged from 29.45 µg/m^3 in SV2 to 57.71 µg/m^3 in SS1.

The Phase II Investigation concluded that levels of SVOCs and metals in soil was consistent with typical urban fill material which is present throughout New York City. Several VOCs were detected in groundwater; however, at concentrations below applicable regulatory criteria. Additionally, soil vapor and sub-slab soil vapor samples contained low concentrations of CVOCs and petroleum-related VOCs; none of which exceeded applicable regulatory criteria.

A copy the January 2018 Phase II Report is included in Appendix A.

Summary of the Work Performed under the Remedial Investigation

BEC performed the following scope of work within the boundary of the site in December of 2018:

1. Installed five soil borings (SB1–SB5) across the Site, and collected five soil samples for chemical analysis of VOCs, SVOCs, and metals on December 12, 2018;
2. Installed three groundwater monitoring wells (MW1-MW3) across the Site on December 12, 2018, and collected three groundwater samples for chemical analysis of VOCs on December 12, 2018;
3. Installed two soil vapor probes (SV1, SV2) and one sub-slab soil gas implant across the Site on December 12, 2018, and collected three soil vapor samples for chemical analysis on December 12, 2018.

BEC performed the following scope of work within the boundary of the site in September and October of 2021:

4. Conducted a site inspection to identify AOCs and physical obstructions (i.e., structures, buildings, etc.);
5. Installed seven soil borings (20B1 – 20B7) across the Site, and collected fourteen soil samples and one duplicate for chemical analysis on September 20, 2021;
6. Installed four groundwater monitoring wells (20MW1 - 20MW4) across the Site on September 20, 2021, and collected four groundwater samples and one duplicate for chemical analysis on October 1, 2021;
7. Installed five soil vapor implants (20SV1 - 20SV5) across the Site on September 20, 2021, and collected five soil vapor samples for chemical analysis on October 1, 2021.

Summary of Environmental Findings:

1. The elevation of the site is approximately 7 feet above mean sea level;
2. Depth to groundwater is approximately 8 to 9 feet below grade;
3. Regional groundwater flow is generally to the west towards the Harlem River;
4. Depth to bedrock at the Site is greater than 20 feet;
5. The stratigraphy of the Site, from the surface down, consists primarily of historic fill (brown, dark brown and gray/brown silt-sand mixtures with brick fragments, gravel and

pockets of crushed rock) to depths as great as 9 ft below grade. Deeper interval soils from approximately 6 to 10 ft below grade consisted primarily of brown and dark brown silt-sand mixtures with gravel and rock;

6. Soil/fill samples were collected during the 2018 Phase II Subsurface Investigation and the 2021 Remedial Investigation and the results were compared to NYSDEC Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Restricted Residential Soil Cleanup Objectives (RRSCOs) as presented in 6NYCRR Part 375-6.8 and CP51. Soil/fill samples showed the following:
   - One VOC, benzene (max. of 140 ug/kg), was detected at a concentration exceeding UUSCOs in one of the fourteen soil samples collected. The VOCs acetone (max. of 35 µg/kg), carbon disulfide (max. of 2.2 µg/kg), and naphthalene (max. of 210 µg/kg) were detected at trace concentrations below Unrestricted Use SCOs;
   - Seven SVOCs including benz(a)anthracene (max. of 5,800 µg/kg), benzo(a)pyrene (max. of 5,200 µg/kg), benzo(b)fluoranthene (max. of 4,900 µg/kg), benzo(k)fluoranthene (max. of 4,000 µg/kg), chrysene (max. of 5,800 µg/kg), dibenz(a,h)anthracene (max. of 1,000 µg/kg) and indeno(1,2,3-cd)pyrene (max. of 3,200 µg/kg) were detected above RRSCOs;
   - PCB-1254 (max. of 5,700 µg/Kg) was detected above RRSCOs in three of the fourteen soil samples collected. No other PCBs were detected;
   - Four pesticides including 4,4'-DDD (max. of 9 µg/kg), 4,4'-DDE (max. of 18 µg/kg), 4,4'-DDT (max. of 26 µg/kg), and dieldrin (max. of 7.8 µg/kg) were detected above UUSCOs within soil sample 20B6(0-2');
   - Ten metals including arsenic (max. of 35.1 mg/kg), barium (max. of 2,250 mg/kg), cadmium (max. of 571 mg/kg), chromium (max. of 138 mg/kg), copper (max. of 1,440 mg/kg), lead (max. of 14,400 mg/kg), mercury (max. of 8.05 mg/kg), nickel (max. of 192 mg/kg), silver (max. of 3.7 mg/kg) and zinc (max. of 9,130 mg/kg). Of the detected metals, arsenic, barium, cadmium, copper, lead and mercury were detected at concentrations exceeding RRSCOs.
   - Six polyfluoroalkyl substances (PFAs) were detected in soil sample 20B3(0-2') which was submitted for PFAs analysis. These detections included Perfluorohexanoic Acid

(PFHxA) (0.854 ng/g), Perfluoroheptanoic Acid (PFHpA) (0.432 ng/g), Perfluorooctanoic Acid (PFOA) (1.09 ng/g), Perfluorooctanesulfonic Acid (PFOS) (0.524 ng/g), Perfluoropentanoic Acid (PFPeA) (0.367 ng/g) and Perfluorobutanoic Acid (PFBA) (5.76 ng/g). No other PFAs compounds were detected. Total PFAs detections were measured at 9.027 ng/g in soil sample 20B3(0-2');

- With the exception of the metals hotspots identified at 20SB1, 20SB3 and 20SB5, the soil results were consistent with data identified at sites with historic fill material in NYC;

7. Groundwater sample results collected during the 2018 Phase II Subsurface Investigation and the 2021 Remedial Investigation were compared to New York State 6NYCRR Part 703.5 Class GA groundwater quality standards (GQS). Groundwater samples showed the following:
   - No pesticides or PCBs were detected at any measurable concentrations;
   - No VOCs were detected above GQS within any of the groundwater samples collected as part of the 2018 or 2021 groundwater sampling events. However, trace concentrations of the VOCs 1,2,4-trimethylbenzene (1.8 µg/L), 1,3,5-trimethylbenzene (0.34 µg/L), acetone (max. of 3.9 µg/L), carbon disulfide (max. of 0.42 µg/L), ethylbenzene (0.32 µg/L), m&p-xylene (1.2 µg/L), naphthalene (1.6 µg/L), o-xylene (0.6 µg/L), sec-butylbenzene (1.5 µg/L), toluene (1.3 µg/L) were detected at concentrations below GQS;
   - Six SVOCs were detected above GQS within one of the four groundwater samples collected. SVOCs detected above GQS in 21MW2 includes benzo(a)anthracene (0.49 µg/L), benzo(a)pyrene (0.64 µg/L), benzo(b)fluoranthene (0.57 µg/L), benzo(k)fluoranthene (0.49 µg/L), chrysene (0.49 µg/L), and indeno(1,2,3-cd)pyrene (0.64 µg/L). No SVOCs were detected above reporting limits (RLs) in the other three groundwater samples;
   - The dissolved metals antimony (max. of 0.0106 mg/L), magnesium (max. of 40.6 mg/L), manganese (max. of 1.67 mg/L) and sodium (max. of 361 mg/L) were detected above GQS within the four groundwater samples collected;

- Perfluorooctanoic Acid (PFOA) (max. of 35.3 ng/L) and Perfluorooctanesulfonic Acid (PFOS) (max. of 25.5 ng/L) were detected above the 10 ng/L screening level for PFOA/PFOS as defined in NYSDECs *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS)*, dated January 2021, within the three groundwater samples submitted for PFAs analysis (20MW1, 20MW2 and 20MW3). Seven additional PFAs were detected in the three groundwater samples submitted and included Perfluorobutanesulfonic Acid (PFBS) (max. of 2.71 ng/L), Perfluorohexanoic Acid (PFHxA) (max. of 8.74 ng/L), Perfluoroheptanoic Acid (PFHpA) (max. of 8.82 ng/L), Perfluorononanoic Acid (PFNA) (max. of 5.78 ng/L), Perfluorodecanoic Acid (PFDA) (max. of 2.46 ng/L), Perfluoropentanoic Acid (PFPeA) (max. of 10.8 ng/L) and Perfluorobutanoic Acid (PFBA) (max. of 10.0 ng/L);
- No PFAs compounds were detected above the 100 ng/L screening level; and,
- The three groundwater samples collected for PFAs analysis (20MW1, 20MW2 and 20MW3) had a total PFAS (including PFOA and PFOS) concentration below the 500 ng/L screening level (max. of 60.8 ng/L). The combined total concentration for all PFAs compounds was 107.4 ng/L.

8. Soil vapor results collected during the 2018 Phase II Subsurface Investigation and the 2021 Remedial Investigation were compared to the compounds listed in Table 3.1 Air Guidance Values derived by the New York State Department of Health (NYSDOH) located in the NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion, dated October 2006 and the revised NYSDOH Decision Matrices dated May 2017.
   - The soil vapor results indicated low to moderate levels of petroleum-related VOCs (PVOCs) and moderate levels of chlorinated VOCs (CVOCs) with the exception of 20SV2, which had an elevated level of the CVOC, PCE (487 $\mu g/m^3$);
   - Total concentrations of petroleum-related VOCs (BTEX compounds) within the 2018 Phase II soil vapor samples and 2021 RI soil vapor samples ranged from 16.5 $\mu g/m^3$ to 57.71 $\mu g/m^3$;
   - CVOCs detected included 1,1,1-trichloroethane (at 6.0 $\mu g/m^3$), carbon tetrachloride (at 0.33 $\mu g/m^3$), chloroform (at 149 $\mu g/m^3$), methylene chloride (max. of 64.9 $\mu g/m^3$),

tetrachloroethene (PCE) (max. of 487 µg/m^3), trichloroethene (TCE) (max. of 2.74 µg/m^3), and vinyl chloride (at 0.49 µg/m^3);

- The CVOCs 1,1-dichloroethane, cis-1,2-dichloroethene were not detected within any of the 2018 Phase II or 2021 RI soil vapor samples; and,
- The CVOC, tetrachloroethene (PCE) was detected above the monitoring level range established within the NYSDOH soil vapor guidance matrix, and trichloroethane (TCE) was detected below the monitoring range.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

Madison Realties LLC has applied to enroll in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 0.57-acre site located at 188 East 135th Street in the Mott Haven section of Bronx, New York. The site will be developed with a new 11-story mixed-use building that will be constructed atop a slab-on-grade foundation on the north side of the Site along East 135th Street. The RI work was conducted on the Site in September and October of 2021. This RIR summarizes the nature and extent of contamination at the site 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 188 East 135th Street, Bronx, New York 10451 in the Mott Haven neighborhood of Bronx and is identified as a Block 2323, Lot 13 on the New York City Tax Map. The irregular-shaped lot consists of approximately 151.3 ft of street frontage along East 135th Street to the east, and 200.2 ft of street frontage along Park Avenue to the south. The Site extends between 110.9 ft and 210.2 ft to the west of East 135th Street and adjoins a CSX Transportation railroad right-of-way, which resides on NYC Tax Lot 5. The Harlem River is located approximately 20 ft to the west of the Site on the opposite side of the railroad tracks. The site covers an area that is approximately 25,464.24 square feet (SF) (0.58 acres).

The property is currently developed with a vacant, single-story building located on the east-central portion of the parcel with the building's front entrance facing E. 135th Street to the north. The single-story structure has a reported area of 6,500 SF and was most recently occupied by The Padded Wagon (a moving company). The perimeter of the Site is gated off from the public with a chain-link fence. An asphalt-paved parking lot and a small unpaved yard area comprise the remainder of the Site. The site is currently partially overgrown with tall weeds, small trees and shrubbery along the perimeter of the Site and through cracks in the asphalt. Sidewalks are located to the south and east, along Park Avenue and East 135th Street, respectively. Park

Avenue is currently gated off from the public and is being used to store a couple work trailers and several vehicles; presumably associated with some nearby development/construction work. A site location map is included as Figure 1 and a site plan is included as Figure 2.

1.2 Proposed Redevelopment Plan

The redevelopment project consists of constructing a new 11-story mixed use (residential and commercial) building, with an 16,308 SF irregular-shaped slab-on-grade foundation on the east side of the Site along East 135th Street. The 1st and 2nd floors will both have a 16,308 SF footprint and the 3rd through 11th floors will cover an 8,700 SF area on each level. Narrow side yard areas will be present along Park Avenue on the east side of the Site and along Metro North's Harlem River Railroad Bridge on the north side of the Site, and a rear yard area that will include a 40 ft wide "shore public walkway", will be present on the west side of the site between the Harlem River and the CSX Transportation railroad tracks.

The 1st floor will cover a 16,308 SF area and will include a 6,400.24 SF retail space, a 2,763.88 SF residential lobby, a 2,528.98 SF recreation space, a 2,631.57 SF mechanical room, and a 1,983.33 SF parking entry with ramp leading to the 2nd floor parking garage. The 2nd floor will will consist of a parking garage for 53 vehicles, a bicycle storage area, elevator shafts, a stairwell and a ramp which will slope towards the main entrance/exit at the northeast corner of the Site. The 3rd through 11th floors will consist of 8,700 SF of residential space divided into 11 apartments on each level. Layout of the redevelopment plans are presented in Figure 3.

The proposed building's slab-on-grade foundation will require excavation to approximately 2 feet below existing grade across the Site plus an additional 3 feet (5 feet below grade) for the installation of an elevator pit and footings. The water table was encountered at approximately 8-9 ft below grade surface and therefore will not be encountered during excavation. As such, dewatering will not be required. The current zoning designation is residential (R7-2) with a commercial (C2-4) overlay. The proposed use of the new building is consistent with existing zoning for the property.

1.3 Description of Surrounding Property

The area immediately surrounding the site consists primarily of commercial and industrial-use properties with a couple vacant lots in the nearby vicinity as well. The adjacent properties are described in the table below. Figure 4 shows the surrounding land usage.

Surrounding Property Usage

Direction	Property Description
North – *Adjacent Property*	Block 2323, Lot 18 (E. 135th Street, Bronx) – A 20,356 SF lot which is owned and operated by Metro North Railroad. The adjacent property is used to store electrical utilities associated with a Metro North elevated platform which is located directly over Lot 18.
East – *Adjacent Property*	E. 135th Street followed by Major Deegan Expressway (I-87). There are several industrial and transportation related commercial properties located to the east of I-87.
West – *Adjacent Property*	Bock 2323, Lot 5 (Park Avenue, Bronx) - A 22,503 SF lot which is currently owned and operated by CSX Transportation and is improved with a railroad right-of-way which runs north to south and adjoins the western boundary of the site.
South – *Adjacent Property*	Block 2319, Lot 200 (2391 3rd Avenue) & Park Avenue – A 85,900 SF vacant lot owned by the City of New York is currently present to the southwest of the site and Park Avenue is present to the southeast of the site. Park Avenue is currently gated off from the public and is being used to store a couple work trailers and several vehicles; presumably associated with some nearby development/construction work.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

A Phase I Screening Report was prepared by EBC in January 2018. The Phase I report identified several recognized environmental conditions (RECs) and other environmental concerns related to the historic use of the property, including a railroad yard, a coal yard, a contractor's storage/supply yard, its potential use as a dry cleaner, and the historic industrial use of the surrounding properties. In addition, the property was assigned an E-designation (E-227) for Hazmat and Noise during the Lower Concourse Rezoning and Related Actions completed by the City in June 2009 (CEQR 08DCP071X). The HazMat E-Designation requires the issuance of a Notice to Proceed (NTP) by the NYCOER before the property can be redeveloped. The presence of HazMat E-designation is considered a business environmental risk (BER).

To evaluate potential impacts related to the historic use of the site, EBC conducted a Phase II Environmental Investigation across the Site. The January 2018 investigation and its findings are summarized in the following section.

2.2 Previous Investigations

2.2.1 Phase II Subsurface Investigation – EBC, January 2018

On January 12, 2018, EBC conducted a Phase II Subsurface Investigation which included the installation of 5 soil borings, 3 groundwater monitoring wells, 2 soil vapor probess and 1 sub-slab soil gas implant. Soil boring SB1 was installed to 12 ft below grade in the northeast corner of the Site, SB2 was installed to 9 ft on the northwest portion of the Site, SB3 was installed to 9 ft on the west side of the site, SB4 was installed to 10 ft on the southwest corner of the Site and SB5 was installed to 10 ft on the south side of the Site. Groundwater was encountered at approximately 10 to 12 ft below grade during soil boring installation and 3 of the 5 soil borings (SB1, SB3 and SB4) were extended to a depth of 3 ft below the water table to facilitate the collection of groundwater samples (GW1 through GW3). Additionally, 2 soil vapor points, SV1 (north side of site) and SV2 (south side) were installed to 6 ft below grade and a sub-slab soil gas implant (SS1) was installed just below the slab-on-grade foundation of the onsite building in the

approximate center of the Site. The analytical results for the soil, groundwater and soil vapor samples collected by EBC in January 2018 are summarized below.

Soil Sample Results

No VOCs were detected above Unrestricted Use SCOs. Several SVOCs including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoroanthene, benzo(k)fluoroanthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene, were detected in soil sample SB1 (10-12') at concentrations exceeding their respective Unrestricted Use SCOs and/or Restricted Residential SCOs. One or more SVOCs were also detected in the SB2, SB3, and SB4 soil samples but at concentrations below Unrestricted Use SCOs. No SVOCs were detected in the SB5 soil sample.

The metals cadmium copper, lead, and/or mercury were detected above Restricted Residential SCOs within the SB2, SB3, and SB4 soil samples. No metals were detected above Unrestricted Use SCOs within the SB5 soil sample.

Groundwater Analytical Results

No VOCs were detected above GQS within any of the three groundwater samples collected as part of the 2018 Phase II Subsurface Investigation. However, ten petroleum-related VOCs were detected at concentrations below GQS in sample GW1 located in the northeast corner of the Site. Two VOCs were also detected below GQS in sample GW3 located the southwest portion of the Site. No VOCs were detected in sample GW2.

Soil Vapor Analytical Results

All three soil vapor/sub-slab samples contained tetrachloroethene (PCE) at concentrations ranging from 0.62 µg/m^3 to 5.73 µg/m^3. The chlorinated VOCs (CVOCs) trichloroethene (TCE) (max. 0.35 µg/m^3), vinyl chloride (max. 0.49 µg/m^3), and carbon tetrachloride (max. 0.33 µg/m^3) were also detected in one or more of the three soil vapor samples. The CVOCs 1,1-dichloroethene and cis-1,2-dichloroethene were not detected in the samples. Low levels of petroleum-related VOCs were also present in each of the samples. The total concentration of petroleum-related VOCs (BTEX compounds) ranged from 29.45 µg/m^3 in SV2 to 57.71 µg/m^3 in SS1.

The Phase II Investigation concluded that levels of SVOCs and metals in soil was consistent with typical urban fill material which is present throughout New York City. Several VOCs were detected in groundwater; however, at concentrations below applicable regulatory criteria. Additionally, soil vapor and sub-slab soil vapor samples contained low concentrations of CVOCs and petroleum-related VOCs; none of which exceeded applicable regulatory criteria.

2.3 Site Inspection

BEC performed a site inspection on September 20, 2021, beginning at approximately 7:00 AM to identify areas of concern (AOCs) and physical obstructions (i.e. structures, accessible areas to perform Phase II, etc.). The reconnaissance included a visual inspection of the property, the sidewalk areas immediately adjacent to the Site, and the exteriors of adjacent/surrounding properties. At the time of the inspection, the Site was developed with a vacant, single-story building located on the eastern-central portion of the parcel with the building's front entrance facing East 135th Street to the north. The single-story structure covers a 6,500 SF area and was most recently occupied by The Padded Wagon (a moving company). The perimeter of the Site is gated off from the public with chain-link fence. An asphalt-paved parking lot and unpaved yard areas comprise the remainder of the Site. At the time of BEC's inspection, the perimeter of the Site was partially overgrown with tall weeds, small trees and shrubbery and weeds were growing through cracks in the asphalt. Sidewalks are located to the south and east, along Park Avenue and East 135th Street, respectively. No evidence of aboveground or underground storage tanks (i.e., vent or fill pipes) were observed on the property at the time of the site inspection.

2.4 Areas of Concern

The AOCs identified for this site include:

1. Historic fill layer is present across the site to depths as great as 9 ft below grade;
2. The site has been occupied by numerous occupants of concern and the historic land use was considered a REC in a 2018 Phase I Screening prepared by EBC. Specifically, the site was occupied by a railroad yard, a coal yard, a contractor's storage supply yard and it was potentially used as a dry cleaner; and,
3. The site has an E-designation for Hazmat.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

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

3.2 Health and Safety

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

3.3 Materials Management

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

4.0 REMEDIAL INVESTIGATION ACTIVITIES

1. Installed five soil borings (SB1–SB5) across the Site, and collected five soil samples for chemical analysis of VOCs, SVOCs, and metals on December 12, 2018;
2. Installed three groundwater monitoring wells (MW1-MW3) across the Site on December 12, 2018, and collected three groundwater samples for chemical analysis of VOCs on December 12, 2018;
3. Installed two soil vapor probes (SV1, SV2) and one sub-slab soil gas implant across the Site on December 12, 2018, and collected three soil vapor samples for chemical analysis on December 12, 2018.

BEC performed the following scope of work within the boundary of the site in September and October of 2021:

1. Conducted a site inspection to identify AOCs and physical obstructions (i.e., structures, buildings, etc.);
2. Installed seven soil borings (20B1 – 20B7) across the Site, and collected fourteen soil samples and one duplicate for chemical analysis on September 20, 2021;
3. Installed four groundwater monitoring wells (20MW1 - 20MW4) across the Site on September 20, 2021, and collected four groundwater samples and one duplicate for chemical analysis on October 1, 2021;
4. Installed five soil vapor implants (20SV1 - 20SV5) across the Site on September 20, 2021, and collected five soil vapor samples for chemical analysis on October 1, 2021.

4.1 Geophysical Investigation

A geophysical survey was performed by NOVA Geophysical Services on September 17, 2021, prior to sampling activities. The geophysical survey included a ground penetrating radar survey which was conducted across accessible portions of the Site. No anomalies indicative of an underground storage tanks (USTs) was identified. In addition, each soil boring location was cleared to ensure safe drilling locations.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

On September 20, 2021, seven soil borings (20B1 through 20B7) were installed across the Site. The location of each of the soil borings is shown on Figure 5. Soil boring 20B7 was performed within the building footprint utilizing a stainless-steel hand auger to a depth of approximately 5 ft below the slab-on-grade foundation. Soil borings 20B1 through 20B6 were performed in the paved parking area surrounding the onsite building utilizing a track-mounted Geoprobe™ Model 6620DT equipped with a 5-ft long macro-core sampler and disposable acetate liners.

The location of the seven soil borings were chosen to gain representative soil quality information across the site. Soil recovered from each of the soil borings was field screened for the presence of VOCs with a PID and visually inspected for evidence of contamination. Two PID detections (max. of 2.4 ppm) were detected in shallow interval (0-5′) soil from borings 20B2 and 20B3. Soil samples were retained for laboratory analysis from the 0 to 2 ft and 3 to 5 ft intervals below grade at all seven soil boring locations. The deeper interval soil samples collected from the interval, 3 to 5 ft below sidewalk grade, represent the bottom of excavation that will be needed for the new 11-story building.

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

Groundwater Monitoring Well Construction

Four temporary 1-inch diameter PVC monitoring wells were installed on the Site at the approximate locations shown on Figure 5. All four monitoring wells were constructed with 10 ft of 0.010 slotted screen set to intersect the water table. The wells were installed to approximately 14 ft below grade and the water table was encountered at approximately 8 to 9 ft below grade. Monitoring well information is provided in Table 1.

Survey

Soil borings, monitoring wells and soil vapor sampling locations were measured to the nearest 0.10 ft with respect to two or more permanent site features. Monitoring well depth to water data is provided in the attached Table 1.

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. Groundwater was measured at approximately 8 to 9 ft below grade at the Site. Regional groundwater flow is likely to the west towards the Harlem River. No free product was observed within the four monitoring wells. Water level data is included in Table 1.

4.3 Sample Collection and Chemical Analysis

Sampling performed as part of the field investigation targeted areas of concern and 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. Media including soil, groundwater and soil vapor were sampled and evaluated in the RIR. Discrete (grab) samples were 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

A total of 14 soil samples and one duplicate soil sample was collected for chemical analysis during the September 20, 2021, RI conducted by BEC. Data on soil sample collection for chemical analyses, including dates of collection, analytical results, and sample depths, is reported in Tables 2-6. Figure 5 shows the location of samples collected during this RI. Soil exceedances are shown on the attached Figures 6. Laboratories and analytical methods for soil samples collected during the RI are shown below.

The 14 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. Sample analysis for 1,4-dioxane by EPA Method 8270D (SIM) was performed by Phoenix on sample SB1(0-2). Sample analysis for PFAs by EPA method 537 was performed by York Analytical Laboratories, Inc. on SB2(0-2).

Groundwater Sampling

Groundwater monitoring wells were installed on September 20, 2021, and sampling was performed on October 1, 2021. A groundwater sample was collected from each of the four new monitoring wells installed on the Site for chemical analysis. The groundwater samples were collected from the monitoring wells utilizing a peristaltic pump and dedicated pump tubing. Each monitoring well was developed by purging at least three well volumes prior to sampling. The groundwater samples collected from the newly installed monitoring wells were collected in pre-cleaned, laboratory supplied glassware, stored in a cooler with ice and submitted to Phoenix. Each of the four groundwater samples and duplicate were submitted for laboratory analysis of VOCs by EPA Method 8260, SVOCs by EPA Method 8270, pesticides/PCBs by EPA Methods 8081/8082, total TAL metals and dissolved TAL metals. In addition, all three groundwater samples were submitted to Alpha Analytical, Inc. for laboratory analysis of PFAS using USEPA Method 537. Data on groundwater sample collection for chemical analyses, including dates of collection, analytical results, and sample depths, is reported in Tables 7 through 12. Figure 5 shows the location of groundwater monitoring wells. Groundwater exceedances are shown on the attached Figures 7. Groundwater purge logs are included in Appendix D.

Soil Vapor Sampling

Five soil vapor probes were installed on September 20, 2021, and five soil vapor samples (20SV1-20SV5) were collected for chemical analysis on October 1, 2021, by BEC. The five soil

vapor sampling locations are shown on Figure 5. Soil vapor sample analytical data is reported in Table 13, and the soil vapor sampling logs are included in Appendix C. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.*

The five soil vapor implants were installed on September 20, 2021, using Geoprobe™ equipment and the implants consisted of Geoprobe™ Model 213859, which are constructed of a 6-inch length of double woven stainless steel wire. The soil vapor implants were installed to a depth of approximately 6 ft below grade. Each implant 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 implant 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.

Prior to sampling, each soil vapor 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 soil vapor probe 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 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 five soil vapor probes. 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 notebook. 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 6 and 8 inches of mercury (approximately 2 hours), the flow controller valve was closed, and the final vacuum recorded in the field notebook and on the sample tag.

The 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); • 1,4-dioxane by EPA Method 8270D (SIM) SB1(0-2) only • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Soil Vapor analytical methods: • VOCs by TO-15 parameters.

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Alpha Analytical, Inc.
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and was Alpha Analytical, Inc.
Chemical Analytical Methods	Soil analytical methods SB3(0-2): • Per- and Polyfluoroalkyl Substances (PFAS) compounds by EPA Method 537 Modified – Full PFAS Target Analyte

	List (21 compounds) Groundwater analytical methods –MW1, MW2, MW3: • Per- and Polyfluoroalkyl Substances (PFAS) compounds by EPA Method 537 Modified – Full PFAS Target Analyte List (21 compounds)

Results of Chemical Analyses

Laboratory data for soil, groundwater, and soil vapor are summarized in Tables 2 through 13. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendix E (soil, groundwater and soil vapor) and Appendix F (PFAs/emerging contaminants).

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

Stratigraphy

The stratigraphy of the site generally consists of fill material to 9 ft below grade, followed by brown to dark brown sandy silt with some gravel. Boring logs are provided in Appendix B.

Hydrogeology

Water level data for is provided in Table 1. Depth to groundwater was measured at approximately 8-9 ft below grade. Regional groundwater flow is expected to be towards the west in the direction of the Harlem River which is located approximately 20 feet to the west of the Site.

5.2 Soil Chemistry

Data collected during the 2018 Phase II Subsurface Investigation when combined with the 2021 Remedial Investigation is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the site. Summary tables of data for chemical analyses performed on soil samples collected during this investigation is included as Tables 2 through 6. Figure 6 shows the location and posts the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Unrestricted Use and Restricted Residential Use Soil Cleanup Objectives.

Soil/fill samples results of the samples collected as part of the 2018 Phase II Subsurface Investigation and 2021 Remedial Investigation were compared to NYSDEC's UUSCOs and RRSCOs as presented in 6NYCRR Part 375-6.8. Soil/fill samples showed the following:

- One VOC, benzene (max. of 140 ug/kg), was detected at a concentration exceeding UUSCOs in one of the fourteen soil samples collected. The VOCs acetone (max. of 35 µg/kg), carbon disulfide (max. of 2.2 µg/kg), and naphthalene (max. of 210 µg/kg) were detected at trace concentrations below Unrestricted Use SCOs;
- Seven SVOCs including benz(a)anthracene (max. of 5,800 µg/kg), benzo(a)pyrene (max. of 5,200 µg/kg), benzo(b)fluoranthene (max. of 4,900 µg/kg), benzo(k)fluoranthene (max. of 4,000 µg/kg), chrysene (max. of 5,800 µg/kg), dibenz(a,h)anthracene (max. of

1,000 µg/kg) and indeno(1,2,3-cd)pyrene (max. of 3,200 µg/kg) were detected above RRSCOs;

- PCB-1254 (max. of 5,700 µg/Kg) was detected above RRSCOs in three of the fourteen soil samples collected. No other PCBs were detected;
- Four pesticides including 4,4'-DDD (max. of 9 µg/kg), 4,4'-DDE (max. of 18 µg/kg), 4,4'-DDT (max. of 26 µg/kg), and dieldrin (max. of 7.8 µg/kg) were detected above UUSCOs within soil sample 20B6(0-2');
- Ten metals including arsenic (max. of 35.1 mg/kg), barium (max. of 2,250 mg/kg), cadmium (max. of 571 mg/kg), chromium (max. of 138 mg/kg), copper (max. of 1,440 mg/kg), lead (max. of 14,400 mg/kg), mercury (max. of 8.05 mg/kg), nickel (max. of 192 mg/kg), silver (max. of 3.7 mg/kg) and zinc (max. of 9,130 mg/kg). Of the detected metals, arsenic, barium, cadmium, copper, lead and mercury were detected at concentrations exceeding RRSCOs.
- Six polyfluoroalkyl substances (PFAs) were detected in soil sample 20B3(0-2') which was submitted for PFAs analysis. These detections included Perfluorohexanoic Acid (PFHxA) (0.854 ng/g), Perfluoroheptanoic Acid (PFHpA) (0.432 ng/g), Perfluorooctanoic Acid (PFOA) (1.09 ng/g), Perfluorooctanesulfonic Acid (PFOS) (0.524 ng/g), Perfluoropentanoic Acid (PFPeA) (0.367 ng/g) and Perfluorobutanoic Acid (PFBA) (5.76 ng/g). No other PFAs compounds were detected. Total PFAs detections were measured at 9.027 ng/g in soil sample 20B3(0-2');
- With the exception of the metals hotspots identified at 20SB1, 20SB3 and 20SB5, the soil results were consistent with data identified at sites with historic fill material in NYC.

5.3 Groundwater Chemistry

Data collected during the 2018 Phase II Subsurface Investigation when combined with the data collected during the 2021 Remedial Investigation is sufficient to delineate the distribution of contaminants in groundwater at the Site. A summary table of data for chemical analyses performed on groundwater samples during the 2021 is included in Tables 7 through 12. Figures 7 shows the location and posts the values for groundwater that exceed the 6NYCRR Part 703.5 Class GA groundwater quality standards (GQS).

Groundwater sample results collected during the 2018 Phase II Subsurface Investigation and 2021 were compared to New York State 6NYCRR Part 703.5 Class GA groundwater quality standards (GQS). Groundwater samples showed the following:

- No pesticides or PCBs were detected at any measurable concentrations;
- No VOCs were detected above GQS within any of the groundwater samples collected as part of the 2018 or 2021 groundwater sampling events. However, trace concentrations of the VOCs 1,2,4-trimethylbenzene (1.8 µg/L), 1,3,5-trimethylbenzene (0.34 µg/L), acetone (max. of 3.9 µg/L), carbon disulfide (max. of 0.42 µg/L), ethylbenzene (0.32 µg/L), m&p-xylene (1.2 µg/L), naphthalene (1.6 µg/L), o-xylene (0.6 µg/L), sec-butylbenzene (1.5 µg/L), toluene (1.3 µg/L) were detected at concentrations below GQS;
- Six SVOCs were detected above GQS within one of the four groundwater samples collected. SVOCs detected above GQS in 21MW2 includes benzo(a)anthracene (0.49 µg/L), benzo(a)pyrene (0.64 µg/L), benzo(b)fluoranthene (0.57 µg/L), benzo(k)fluoranthene (0.49 µg/L), chrysene (0.49 µg/L), and indeno(1,2,3-cd)pyrene (0.64 µg/L). No SVOCs were detected above reporting limits (RLs) in the other three groundwater samples;
- The dissolved metals antimony (max. of 0.0106 mg/L), magnesium (max. of 40.6 mg/L), manganese (max. of 1.67 mg/L) and sodium (max. of 361 mg/L) were detected above GQS within the four groundwater samples collected;
- Perfluorooctanoic Acid (PFOA) (max. of 35.3 ng/L) and Perfluorooctanesulfonic Acid (PFOS) (max. of 25.5 ng/L) were detected above the 10 ng/L screening level for PFOA/PFOS as defined in NYSDECs *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS)*, dated January 2021, within the three groundwater samples submitted for PFAs analysis (20MW1, 20MW2 and 20MW3). Seven additional PFAs were detected in the three groundwater samples submitted and included Perfluorobutanesulfonic Acid (PFBS) (max. of 2.71 ng/L), Perfluorohexanoic Acid (PFHxA) (max. of 8.74 ng/L), Perfluoroheptanoic Acid (PFHpA) (max. of 8.82 ng/L), Perfluorononanoic Acid (PFNA) (max. of 5.78 ng/L), Perfluorodecanoic Acid (PFDA)

(max. of 2.46 ng/L), Perfluoropentanoic Acid (PFPeA) (max. of 10.8 ng/L) and Perfluorobutanoic Acid (PFBA) (max. of 10.0 ng/L);

- No PFAs compounds were detected above the 100 ng/L screening level; and,
- The three groundwater samples collected for PFAs analysis (20MW1, 20MW2 and 20MW3) had a total PFAS (including PFOA and PFOS) concentration below the 500 ng/L screening level (max. of 60.8 ng/L). The combined total concentration for all PFAs compounds was 107.4 ng/L.

5.4 Soil Vapor Chemistry

Data collected during this Remedial Investigation is sufficient to delineate the distribution of contaminants in soil vapor at the site. A summary table of data for chemical analyses performed on all the soil vapor samples collected at the site is included in Tables 13. Figure 8 shows the location and posts the values for soil vapor samples with detected concentrations.

Soil vapor samples collected during the 2018 Phase II Subsurface Investigation and 2021 Remedial Investigation were compared to the compounds listed in Table 3.1 of the Air Guideline Values Derived by the NYSDOH located in the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion dated October 2006 and the revised NYSDOH Decision Matrices dated May 2017.

- The soil vapor results indicated low to moderate levels of petroleum-related VOCs (PVOCs) and moderate levels of chlorinated VOCs (CVOCs) with the exception of 20SV2, which had an elevated level of the CVOC, PCE (487 $\mu g/m^3$);
- Total concentrations of petroleum-related VOCs (BTEX compounds) within the 2018 Phase II soil vapor samples and 2021 RI soil vapor samples ranged from 16.5 $\mu g/m^3$ to 57.71 $\mu g/m^3$;
- CVOCs detected included 1,1,1-trichloroethane (at 6.0 $\mu g/m^3$), carbon tetrachloride (at 0.33 $\mu g/m^3$), chloroform (at 149 $\mu g/m^3$), methylene chloride (max. of 64.9 $\mu g/m^3$), tetrachloroethene (PCE) (max. of 487 $\mu g/m^3$), trichloroethene (TCE) (max. of 2.74 $\mu g/m^3$), and vinyl chloride (at 0.49 $\mu g/m^3$);
- The CVOCs 1,1-dichloroethane, cis-1,2-dichloroethene were not detected within any of the 2018 Phase II or 2021 RI soil vapor samples; and,

- The CVOC, tetrachloroethene (PCE) was detected above the monitoring level range established within the NYSDOH soil vapor guidance matrix, and trichloroethane (TCE) was detected below the monitoring range.

5.5 Prior Activity

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

5.6 Impediments to Remedial Action

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

TABLES

Table 1
188 East 135th Street, Bronx, New York
Soil Boring / Well Information

SAMPLE ID	Date	Total Depth (ft. bsg.)	Diameter (in)	Construction Materials	Screen Length (ft)	DTW (ft)	Survey Reading	Casing Elevation	GW ELV
20B1	9/20/2021	10	2	Geoprobe	-	-	-	-	-
20B2	9/20/2021	10	2	Geoprobe	-	-	-	-	-
20B3	9/20/2021	10	2	Geoprobe	-	-	-	-	-
20B4	9/20/2021	10	2	Geoprobe	-	-	-	-	-
20B5	9/20/2021	10	2	Geoprobe					
20B6	9/20/2021	10	2	Geoprobe	-	-	-	-	-
20B7	9/20/2021	5	2	Hand Auger	-	-	-	-	-
20MW1	9/20/2021	15	1	PVC	10	9.56	-	-	-
20MW2	9/20/2021	18	1	PVC	10	12.14	-	-	-
20MW3	9/20/2021	18	1	PVC	10	12.60	-	-	-
20MW4	9/20/2021	18	1	PVC	10	11.87	-	-	-

Table 2
188 East 135th Street, Bronx, 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*	20B1				20B2				20B3				20B4				20B5				20B6				20B7				SOIL DUPLICATE	
			(0-2')		(3-5')		(0-2')		(3-5')		(0-2')		(3-5')		(0-2')		(3-5')		(0-2')		(3-5')		(0-2')		(3-5')		(0-2')		(3-5')		(0-2')	
			9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021	
			µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
	µg/Kg	µg/Kg	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane			< 27	27	< 23	23	< 5.3	5.3	< 8.2	8.2	< 28	28	< 5.7	5.7	< 5.2	5.2	< 18	18	< 24	24	< 27	27	< 4.8	4.8	< 33	33	< 6.5	6.5	< 18	18	< 30	30
1,1,1-Trichloroethane	680	100,000	< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
1,1,2,2-Tetrachloroethane			< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
1,1,2-Trichloroethane			< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
1,1-Dichloroethane	270	26,000	< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
1,1-Dichloroethene	330	100,000	< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
1,1-Dichloropropene			< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
1,2,3-Trichlorobenzene			< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
1,2,3-Trichloropropane			< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
1,2,4-Trichlorobenzene			< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
1,2,4-Trimethylbenzene	3,600	52,000	< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
1,2-Dibromo-3-chloropropane			< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
1,2-Dibromoethane			< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
1,2-Dichlorobenzene	1,100	100,000	< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
1,2-Dichloroethane	20	3,100	< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
1,2-Dichloropropane			< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
1,3,5-Trimethylbenzene	8,400	52,000	< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
1,3-Dichlorobenzene	2,400	4,900	< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
1,3-Dichloropropane			< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
1,4-Dichlorobenzene	1,800	13,000	< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
1,4-Dioxane			< 100	100	< 87	87	< 80	80	< 100	100	< 100	100	< 86	86	< 77	77	< 68	68	< 89	89	< 100	100	< 73	73	< 100	100	< 97	97	< 68	68	< 100	100
2,2-Dichloropropane			< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
2-Chlorotoluene			< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
2-Hexanone (Methyl Butyl Ketone)			< 34	34	< 29	29	< 27	27	< 41	41	< 35	35	< 29	29	< 26	26	< 23	23	< 30	30	< 33	33	< 24	24	< 41	41	< 32	32	< 23	23	< 38	38
2-Isopropyltoluene			< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
4-Chlorotoluene			< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
4-Methyl-2-Pentanone			< 34	34	< 29	29	< 27	27	< 41	41	< 35	35	< 29	29	< 26	26	< 23	23	< 30	30	< 33	33	< 24	24	< 41	41	< 32	32	< 23	23	< 38	38
Acetone	50	100,000	< 34	34	< 29	29	< 27	27	**10**	41	< 35	35	< 29	29	**5.3**	26	< 23	23	**19**	30	**26**	33	< 24	24	< 41	41	< 32	32	< 23	23	**35**	38
Acrolein			< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
Acrylonitrile			< 27	27	< 23	23	< 21	21	< 16	16	< 28	28	< 23	23	< 21	21	< 18	18	< 24	24	< 27	27	< 9.7	9.7	< 33	33	< 13	13	< 18	18	< 30	30
Benzene	60	4,800	< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	**140**	60	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
Bromobenzene			< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
Bromochloromethane			< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
Bromodichloromethane			< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
Bromoform			< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
Bromomethane			< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
Carbon Disulfide			< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	**2.2**	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
Carbon tetrachloride	760	2,400	< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
Chlorobenzene	1,100	100,000	< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
Chloroethane			< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
Chloroform	370	49,000	< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
Chloromethane			< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
cis-1,2-Dichloroethene	250	100,000	< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
cis-1,3-Dichloropropene			< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
Dibromochloromethane			< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
Dibromomethane			< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
Dichlorodifluoromethane			< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
Ethylbenzene	1,000	41,000	< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
Hexachlorobutadiene			< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
Isopropylbenzene			< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
m&p-Xylenes	260	100,000	< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
Methyl Ethyl Ketone (2-Butanone)	120	100,000	< 41	41	< 35	35	< 32	32	< 49	49	< 41	41	< 34	34	< 31	31	< 27	27	< 36	36	< 40	40	< 29	29	< 49	49	< 39	39	< 27	27	< 45	45
Methyl t-butyl ether (MTBE)	930	100,000	< 14	14	< 12	12	< 11	11	< 16	16	< 14	14	< 11	11	< 10	10	< 9.1	9.1	< 12	12	< 13	13	< 9.7	9.7	< 16	16	< 13	13	< 9.0	9.0	< 15	15
Methylene chloride	50	100,000	< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
Naphthalene	12,000	100,000	< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	**210**	190	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
n-Butylbenzene	12,000	100,000	< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
n-Propylbenzene	3,900	100,000	< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
o-Xylene	260	100,000	< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
p-Isopropyltoluene			< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
sec-Butylbenzene	11,000	100,000	< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
Styrene			< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
tert-Butyl alcohol			< 140	140	< 120	120	< 110	110	< 160	160	< 140	140	< 110	110	< 100	100	< 91	91	< 120	120	< 130	130	< 97	97	< 160	160	< 130	130	< 90	90	< 150	150
tert-Butylbenzene	5,900	100,000	< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
Tetrachloroethene	1,300	19,000	< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
Tetrahydrofuran (THF)			< 14	14	< 12	12	< 11	11	< 16	16	< 14	14	< 11	11	< 10	10	< 9.1	9.1	< 12	12	< 13	13	< 9.7	9.7	< 16	16	< 13	13	< 9.0	9.0	< 15	15
Toluene	700	100,000	< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
trans-1,2-Dichloroethene	190	100,000	< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
trans-1,3-Dichloropropene			< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
trabs-1,4-dichloro-2-butene			< 14	14	< 12	12	< 11	11	< 16	16	< 14	14	< 11	11	< 10	10	< 9.1	9.1	< 12	12	< 13	13	< 9.7	9.7	< 16	16	< 13	13	< 9.0	9.0	< 15	15
Trichloroethene	470	21,000	< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
Trichlorofluoromethane			< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
Trichlorotrifluoroethane			< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
Vinyl Chloride	20	900	< 6.8	6.8	< 5.8	5.8	< 5.3	5.3	< 8.2	8.2	< 6.9	6.9	< 5.7	5.7	< 5.2	5.2	< 4.6	4.6	< 5.9	5.9	< 6.7	6.7	< 4.8	4.8	< 8.1	8.1	< 6.5	6.5	< 4.5	4.5	< 7.5	7.5
Total BTEX Concentration			**0.0**		**0.0**		**0.0**		**0.0**		**0.0**		**0.0**		**0.0**		**0.0**		**0.0**		**0.0**		**0.0**		**140.0**		**0.0**		**0.0**		**0.0**	
Total VOCs Concentration			**0.0**		**0.0**		**0.0**		**10.0**		**0.0**		**0.0**		**5.3**		**0.0**		**21.2**		**26.0**		**0.0**		**350.0**		**0.0**		**0.0**		**35.0**	

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
188 East 135th Street, Bronx, 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*	20B1				20B2				20B3				20B4				20B5				20B6				20B7				SOIL DUPLICATE	
			(0-2')		(3-5')		(0-2')		(3-5')		(0-2')		(3-5')		(0-2')		(3-5')		(0-2')		(3-5')		(0-2')		(3-5')		(0-2')		(3-5')		(0-2')	
			9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021	
	µg/Kg	µg/Kg	µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,2,4,5-Tetrachlorobenzene			< 260	260	< 260	260	< 250	250	< 300	300	< 270	270	< 270	270	< 250	250	< 250	250	< 270	270	< 250	250	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260
1,2,4-Trichlorobenzene			< 260	260	< 260	260	< 250	250	< 300	300	< 270	270	< 270	270	< 250	250	< 250	250	**220**	270	< 250	250	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260
1,2-Dichlorobenzene			< 260	260	< 260	260	< 250	250	< 300	300	**660**	270	< 270	270	< 250	250	< 250	250	< 270	270	< 250	250	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260
1,2-Diphenylhydrazine			< 260	260	< 260	260	< 250	250	< 300	300	< 270	270	< 270	270	< 250	250	< 250	250	< 270	270	< 250	250	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260
1,3-Dichlorobenzene			< 260	260	< 260	260	< 250	250	< 300	300	< 270	270	< 270	270	< 250	250	< 250	250	< 270	270	< 250	250	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260
1,4-Dichlorobenzene			< 260	260	< 260	260	< 250	250	< 300	300	< 270	270	< 270	270	< 250	250	< 250	250	< 270	270	< 250	250	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260
2,4,5-Trichlorophenol			< 260	260	< 260	260	< 250	250	< 300	300	< 270	270	< 270	270	< 250	250	< 250	250	< 270	270	< 250	250	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260
2,4,6-Trichlorophenol			< 190	190	< 190	190	< 180	180	< 210	210	< 190	190	< 190	190	< 180	180	< 180	180	< 190	190	< 180	180	< 180	180	< 180	180	< 190	190	< 180	180	< 180	180
2,4-Dichlorophenol			< 190	190	< 190	190	< 180	180	< 210	210	< 190	190	< 190	190	< 180	180	< 180	180	< 190	190	< 180	180	< 180	180	< 180	180	< 190	190	< 180	180	< 180	180
2,4-Dimethylphenol			< 260	260	< 260	260	< 250	250	< 300	300	< 270	270	< 270	270	< 250	250	< 250	250	< 270	270	< 250	250	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260
2,4-Dinitrophenol			< 260	260	< 260	260	< 250	250	< 300	300	< 270	270	< 270	270	< 250	250	< 250	250	< 270	270	< 250	250	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260
2,4-Dinitrotoluene			< 190	190	< 190	190	< 180	180	< 210	210	< 190	190	< 190	190	< 180	180	< 180	180	< 190	190	< 180	180	< 180	180	< 180	180	< 190	190	< 180	180	< 180	180
2,6-Dinitrotoluene			< 190	190	< 190	190	< 180	180	< 210	210	< 190	190	< 190	190	< 180	180	< 180	180	< 190	190	< 180	180	< 180	180	< 180	180	< 190	190	< 180	180	< 180	180
2-Chloronaphthalene			< 260	260	< 260	260	< 250	250	< 300	300	< 270	270	< 270	270	< 250	250	< 250	250	< 270	270	< 250	250	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260
2-Chlorophenol			< 260	260	< 260	260	< 250	250	< 300	300	< 270	270	< 270	270	< 250	250	< 250	250	< 270	270	< 250	250	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260
2-Methylnaphthalene			< 260	260	**290**	260	< 250	250	< 300	300	**380**	270	**190**	270	< 250	250	< 250	250	**290**	270	< 250	250	< 250	250	< 260	260	< 270	270	**380**	260	**240**	260
2-Methylphenol (o-cresol)	330	100,000	< 260	260	< 260	260	< 250	250	< 300	300	< 270	270	< 270	270	< 250	250	< 250	250	< 270	270	< 250	250	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260
2-Nitroaniline			< 260	260	< 260	260	< 250	250	< 300	300	< 270	270	< 270	270	< 250	250	< 250	250	< 270	270	< 250	250	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260
2-Nitrophenol			< 260	260	< 260	260	< 250	250	< 300	300	< 270	270	< 270	270	< 250	250	< 250	250	< 270	270	< 250	250	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260
3&4-Methylphenol (m&p-cresol)	330	100,000	< 260	260	< 260	260	< 250	250	< 300	300	< 270	270	< 270	270	< 250	250	< 250	250	< 270	270	< 250	250	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260
3,3'-Dichlorobenzidine			< 190	190	< 190	190	< 180	180	< 210	210	< 190	190	< 190	190	< 180	180	< 180	180	< 190	190	< 180	180	< 180	180	< 180	180	< 190	190	< 180	180	< 180	180
3-Nitroaniline			< 380	380	< 380	380	< 350	350	< 420	420	< 390	390	< 380	380	< 360	360	< 360	360	< 380	380	< 360	360	< 360	360	< 370	370	< 380	380	< 370	370	< 370	370
4,6-Dinitro-2-methylphenol			< 230	230	< 230	230	< 210	210	< 250	250	< 230	230	< 230	230	< 210	210	< 210	210	< 230	230	< 220	220	< 210	210	< 220	220	< 230	230	< 220	220	< 220	220
4-Bromophenyl phenyl ether			< 260	260	< 260	260	< 250	250	< 300	300	< 270	270	< 270	270	< 250	250	< 250	250	< 270	270	< 250	250	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260
4-Chloro-3-methylphenol			< 260	260	< 260	260	< 250	250	< 300	300	< 270	270	< 270	270	< 250	250	< 250	250	< 270	270	< 250	250	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260
4-Chloroaniline			< 300	300	< 300	300	< 280	280	< 340	340	< 310	310	< 310	310	< 280	280	< 280	280	< 300	300	< 290	290	< 290	290	< 290	290	< 300	300	< 290	290	< 290	290
4-Chlorophenyl phenyl ether			< 260	260	< 260	260	< 250	250	< 300	300	< 270	270	< 270	270	< 250	250	< 250	250	< 270	270	< 250	250	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260
4-Nitroaniline			< 380	380	< 380	380	< 350	350	< 420	420	< 390	390	< 380	380	< 360	360	< 360	360	< 380	380	< 360	360	< 360	360	< 370	370	< 380	380	< 370	370	< 370	370
4-Nitrophenol			< 380	380	< 380	380	< 350	350	< 420	420	< 390	390	< 380	380	< 360	360	< 360	360	< 380	380	< 360	360	< 360	360	< 370	370	< 380	380	< 370	370	< 370	370
Acenaphthene	20,000	100,000	< 260	260	**750**	260	< 250	250	< 300	300	**130**	270	**630**	270	< 250	250	< 250	250	**260**	270	< 250	250	< 250	250	< 260	260	**190**	270	**1,200**	260	**1,000**	260
Acenaphthylene	100,000	100,000	< 260	260	**320**	260	**230**	250	< 300	300	**1,300**	270	**530**	270	< 250	250	< 250	250	**1,200**	270	< 250	250	< 250	250	**890**	260	**450**	270	**580**	260	< 260	260
Acetophenone			< 260	260	< 260	260	< 250	250	< 300	300	< 270	270	< 270	270	< 250	250	< 250	250	< 270	270	< 250	250	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260
Aniline			< 300	300	< 300	300	< 280	280	< 340	340	< 310	310	< 310	310	< 280	280	< 280	280	< 300	300	< 290	290	< 290	290	< 290	290	< 300	300	< 290	290	< 290	290
Anthracene	100,000	100,000	< 260	260	**1,400**	260	**170**	250	< 300	300	**840**	270	**1,500**	270	< 250	250	< 250	250	**1,100**	270	**150**	250	**210**	250	**440**	260	**540**	270	**2,300**	260	**1,800**	260
Benz(a)anthracene	1,000	1,000	< 260	260	**3,000**	260	**980**	250	< 300	300	**3,400**	270	**4,800**	270	**230**	250	< 250	250	**3,500**	270	**460**	250	**760**	250	**2,000**	260	**2,600**	270	**5,800**	260	**3,100**	260
Benzidine			< 380	380	< 380	380	< 350	350	< 420	420	< 390	390	< 380	380	< 360	360	< 360	360	< 380	380	< 360	360	< 360	360	< 370	370	< 380	380	< 370	370	< 370	370
Benzo(a)pyrene	1,000	1,000	< 190	190	**2,900**	190	**1,200**	180	< 210	210	**3,800**	190	**4,200**	190	**260**	180	< 180	180	**3,700**	190	**510**	180	**770**	180	**1,800**	180	**2,600**	190	**5,200**	180	**2,700**	180
Benzo(b)fluoranthene	1,000	1,000	< 260	260	**2,400**	260	**1,200**	250	< 300	300	**4,000**	270	**3,400**	270	**240**	250	< 250	250	**4,000**	270	**420**	250	**780**	250	**2,000**	260	**2,600**	270	**4,900**	260	**2,500**	260
Benzo(ghi)perylene	100,000	100,000	< 260	260	**1,600**	260	**800**	250	< 300	300	**2,700**	270	**2,800**	270	**330**	250	< 250	250	**2,700**	270	**430**	250	**460**	250	**1,400**	260	**1,900**	270	**2,700**	260	**1,700**	260
Benzo(k)fluoranthene	800	3,900	< 260	260	**2,300**	260	**1,000**	250	< 300	300	**3,300**	270	**2,800**	270	**220**	250	< 250	250	**3,600**	270	**470**	250	**770**	250	**1,800**	260	**2,100**	270	**4,000**	260	**2,100**	260
Benzoic acid			< 1900	1,900	< 1900	1,900	< 1800	1,800	< 2100	2,100	< 1900	1,900	< 1900	1,900	< 1800	1,800	< 1800	1,800	< 1900	1,900	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1900	1,900	< 1800	1,800	< 1800	1,800
Benzyl butyl phthalate			< 260	260	< 260	260	< 250	250	< 300	300	< 270	270	< 270	270	< 250	250	< 250	250	< 270	270	< 250	250	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260
Bis(2-chloroethoxy)methane			< 260	260	< 260	260	< 250	250	< 300	300	< 270	270	< 270	270	< 250	250	< 250	250	< 270	270	< 250	250	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260
Bis(2-chloroethyl)ether			< 190	190	< 190	190	< 180	180	< 210	210	< 190	190	< 190	190	< 180	180	< 180	180	< 190	190	< 180	180	< 180	180	< 180	180	< 190	190	< 180	180	< 180	180
Bis(2-chloroisopropyl)ether			< 260	260	< 260	260	< 250	250	< 300	300	< 270	270	< 270	270	< 250	250	< 250	250	< 270	270	< 250	250	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260
Bis(2-ethylhexyl)phthalate			< 260	260	< 260	260	< 250	250	< 300	300	**220**	270	< 270	270	< 250	250	< 250	250	**580**	270	< 250	250	**170**	250	< 260	260	< 270	270	< 260	260	< 260	260
Carbazole			< 190	190	**480**	190	< 180	180	< 210	210	**250**	190	**190**	190	< 180	180	< 180	180	**340**	190	< 180	180	< 180	180	**230**	180	**190**	190	**700**	180	**530**	180
Chrysene	1,000	3,900	< 260	260	**3,000**	260	**1,100**	250	< 300	300	**3,600**	270	**5,700**	270	**230**	250	< 250	250	**3,900**	270	**500**	250	**810**	250	**2,100**	260	**2,900**	270	**5,800**	260	**2,900**	260
Dibenz(a,h)anthracene	330	330	< 190	190	**380**	190	**180**	180	< 210	210	**740**	190	**1,000**	190	< 180	180	< 180	180	**640**	190	**120**	180	**130**	180	**370**	180	**520**	190	**830**	180	**410**	180
Dibenzofuran	7,000	59,000	< 260	260	**440**	260	< 250	250	< 300	300	**170**	270	**140**	270	< 250	250	< 250	250	**330**	270	< 250	250	< 250	250	< 260	260	**120**	270	**720**	260	**470**	260
Diethyl phthalate			< 260	260	< 260	260	< 250	250	< 300	300	< 270	270	< 270	270	< 250	250	< 250	250	< 270	270	< 250	250	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260
Dimethylphthalate			< 260	260	< 260	260	< 250	250	< 300	300	< 270	270	< 270	270	< 250	250	< 250	250	< 270	270	< 250	250	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260
Di-n-butylphthalate			< 260	260	< 260	260	< 250	250	< 300	300	**320**	270	< 270	270	< 250	250	< 250	250	**140**	270	< 250	250	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260
Di-n-octylphthalate			< 260	260	< 260	260	< 250	250	< 300	300	< 270	270	< 270	270	< 250	250	< 250	250	< 270	270	< 250	250	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260
Fluoranthene	100,000	100,000	**170**	260	**7,200**	260	**1,500**	250	< 300	300	**6,400**	270	**9,400**	2,700	**280**	250	< 250	250	**7,500**	270	**720**	250	**1,200**	250	**3,900**	260	**4,900**	270	**16,000**	2,600	**10,000**	2,600
Fluorene	30,000	100,000	< 260	260	**680**	260	< 250	250	< 300	300	**230**	270	**530**	270	< 250	250	< 250	250	**380**	270	< 250	250	< 250	250	**140**	260	**170**	270	**960**	260	**930**	260
Hexachlorobenzene			< 190	190	< 190	190	< 180	180	< 210	210	< 190	190	< 190	190	< 180	180	< 180	180	< 190	190	< 180	180	< 180	180	< 180	180	< 190	190	< 180	180	< 180	180
Hexachlorobutadiene			< 260	260	< 260	260	< 250	250	< 300	300	< 270	270	< 270	270	< 250	250	< 250	250	< 270	270	< 250	250	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260
Hexachlorocyclopentadiene			< 260	260	< 260	260	< 250	250	< 300	300	< 270	270	< 270	270	< 250	250	< 250	250	< 270	270	< 250	250	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260
Hexachloroethane			< 190	190	< 190	190	< 180	180	< 210	210	< 190	190	< 190	190	< 180	180	< 180	180	< 190	190	< 180	180	< 180	180	< 180	180	< 190	190	< 180	180	< 180	180
Indeno(1,2,3-cd)pyrene	500	500	< 260	260	**1,700**	260	**910**	250	< 300	300	**2,800**	270	**2,600**	270	**300**	250	< 250	250	**2,800**	270	**420**	250	**490**	250	**1,500**	260	**2,100**	270	**3,200**	260	**2,000**	260
Isophorone			< 190	190	< 190	190	< 180	180	< 210	210	< 190	190	< 190	190	< 180	180	< 180	180	< 190	190	< 180	180	< 180	180	< 180	180	< 190	190	< 180	180	< 180	180
Naphthalene	12,000	100,000	< 260	260	**570**	260	< 250	250	< 300	300	**520**	270	**180**	270	< 250	250	< 250	250	**590**	270	< 250	250	< 250	250	**110**	260	**190**	270	**690**	260	**350**	260
Nitrobenzene			< 190	190	< 190	190	< 180	180	< 210	210	< 190	190	< 190	190	< 180	180	< 180	180	< 190	190	< 180	180	< 180	180	< 180	180	< 190	190	< 180	180	< 180	180
N-Nitrosodimethylamine			< 260	260	< 260	260	< 250	250	< 300	300	< 270	270	< 270	270	< 250	250	< 250	250	< 270	270	< 250	250	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260
N-Nitrosodi-n-propylamine			< 190	190	< 190	190	< 180	180	< 210	210	< 190	190	< 190	190	< 180	180	< 180	180	< 190	190	< 180	180	< 180	180	< 180	180	< 190	190	< 180	180	< 180	180
N-Nitrosodiphenylamine			< 260	260	< 260	260	< 250	250	< 300	300	< 270	270	< 270	270	< 250	250	< 250	250	< 270	270	< 250	250	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260
Pentachloronitrobenzene			< 260	260	< 260	260	< 250	250	< 300	300	< 270	270	< 270	270	< 250	250	< 250	250	< 270	270	< 250	250	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260
Pentachlorophenol	800	6,700	< 230	230	< 230	230	< 210	210	< 250	250	< 230	230	< 230	230	< 210	210	< 210	210	< 230	230	< 220	220	< 210	210	< 220	220	< 230	230	< 220	220	< 220	220
Phenanthrene	100,000	100,000	**120**	260	**9,300**	2,600	**630**	250	< 300	300	**3,100**	270	**10,000**	2,700	**130**	250	< 250	250	**3,000**	270	**600**	250	**860**	250	**2,400**	260	**2,500**	270	**13,000**	2,600	**9,500**	2,600
Phenol	330	100,000	< 260	260	< 260	260	< 250	250	< 300	300	< 270	270	< 270	270	< 250	250	< 250	250	< 270	270	< 250	250	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260
Pyrene	100,000	100,000	**160**	260	**6,700**	260	**1,400**	250	< 300	300	**5,600**	270	**12,000**	2,700	**260**	250	< 250	250	**6,400**	270	**660**	250	**990**	250	**2,800**	260	**4,400**	270	**14,000**	2,600	**6,500**	260
Pyridine			< 260	260	< 260	260	< 250	250	< 300	300	< 270	270	< 270	270	< 250	250	< 250	250	< 270	270	< 250	250	< 250	250	< 260	260	< 270	270	< 260	260	< 260	260
Total SVOCs			**450**		**45,410**		**11,300**		**ND**		**44,460**		**62,590**		**2,480**		**ND**		**47,170**		**5,460**		**8,400**		**23,880**		**30,970**		**82,960**		**48,730**	

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
1188 East 135th Street, Bronx, 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*	20B1				20B2				20B3				20B4				20B5				20B6				20B7				SOIL DUPLICATE	
				(0-2')		(3-5')		(0-2')		(3-5')		(0-2')		(3-5')		(0-2')		(3-5')		(0-2')		(3-5')		(0-2')		(3-5')		(0-2')		(3-5')		(0-2')	
				9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021	
		µg/Kg	µg/Kg	µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
				Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Pesticides	4,4' -DDD	3.3	13,000	< 2.3	2.3	< 2.3	2.3	< 2.1	2.1	< 2.5	2.5	< 90	90	< 2.3	2.3	< 2.1	2.1	< 2.2	2.2	< 450	450	< 2.1	2.1	9	2.1	< 50	50	< 2.3	2.3	< 2.2	2.2	< 2.2	2.2
	4,4' -DDE	3.3	8,900	< 2.3	2.3	< 2.3	2.3	< 2.1	2.1	< 2.5	2.5	< 160	160	< 2.3	2.3	< 2.1	2.1	< 2.2	2.2	< 80	80	< 2.1	2.1	18	2.1	< 110	110	< 2.3	2.3	< 2.2	2.2	< 2.2	2.2
	4,4' -DDT	3.3	7,900	< 2.3	2.3	< 2.3	2.3	< 3.0	3.0	< 2.5	2.5	< 400	400	< 2.3	2.3	< 2.1	2.1	< 2.2	2.2	< 50	50	< 2.1	2.1	26	2.1	< 500	500	< 2.3	2.3	< 2.2	2.2	< 2.2	2.2
	a-BHC	20	480	< 7.6	7.6	< 7.6	7.6	< 7.1	7.1	< 8.4	8.4	< 39	39	< 7.8	7.8	< 7.2	7.2	< 7.2	7.2	< 38	38	< 7.1	7.1	< 7.1	7.1	< 7.4	7.4	< 7.6	7.6	< 7.2	7.2	< 7.3	7.3
	a-Chlordane	94	4,200	< 3.8	3.8	< 3.8	3.8	< 3.6	3.6	< 4.2	4.2	< 25	25	< 3.9	3.9	< 3.6	3.6	< 3.6	3.6	< 19	19	< 3.6	3.6	< 5.0	5.0	< 100	100	< 3.8	3.8	< 3.6	3.6	< 3.6	3.6
	Aldrin	5	97	< 3.8	3.8	< 5.0	5.0	< 3.6	3.6	< 4.2	4.2	< 19	19	< 3.9	3.9	< 3.6	3.6	< 3.6	3.6	< 19	19	< 3.6	3.6	< 3.5	3.5	< 7.4	7.4	< 3.8	3.8	< 3.6	3.6	< 3.6	3.6
	b-BHC	36	360	< 7.6	7.6	< 7.6	7.6	< 7.1	7.1	< 8.4	8.4	< 39	39	< 7.8	7.8	< 7.2	7.2	< 7.2	7.2	< 38	38	< 7.1	7.1	< 7.1	7.1	< 7.4	7.4	< 7.6	7.6	< 7.2	7.2	< 7.3	7.3
	Chlordane			< 38	38	< 38	38	< 36	36	< 42	42	< 190	190	< 39	39	< 36	36	< 36	36	< 190	190	< 36	36	< 35	35	< 190	190	< 38	38	< 36	36	< 36	36
	d-BHC	40	100,000	< 7.6	7.6	< 7.6	7.6	< 7.1	7.1	< 8.4	8.4	< 39	39	< 7.8	7.8	< 7.2	7.2	< 7.2	7.2	< 38	38	< 7.1	7.1	< 7.1	7.1	< 37	37	< 7.6	7.6	< 7.2	7.2	< 7.3	7.3
	Dieldrin	5	200	< 3.8	3.8	< 3.8	3.8	< 3.6	3.6	< 4.2	4.2	< 19	19	< 3.9	3.9	< 3.6	3.6	< 3.6	3.6	< 30	30	< 3.6	3.6	7.8	3.5	< 7.4	7.4	< 3.8	3.8	< 3.6	3.6	< 3.6	3.6
	Endosulfan I	2,400	24,000	< 7.6	7.6	< 7.6	7.6	< 7.1	7.1	< 8.4	8.4	< 39	39	< 7.8	7.8	< 7.2	7.2	< 7.2	7.2	< 38	38	< 7.1	7.1	< 7.1	7.1	< 37	37	< 7.6	7.6	< 7.2	7.2	< 7.3	7.3
	Endosulfan II	2,400	24,000	< 7.6	7.6	< 7.6	7.6	< 7.1	7.1	< 8.4	8.4	< 39	39	< 7.8	7.8	< 7.2	7.2	< 7.2	7.2	< 38	38	< 7.1	7.1	< 7.1	7.1	< 37	37	< 7.6	7.6	< 7.2	7.2	< 7.3	7.3
	Endosulfan sulfate	2,400	24,000	< 7.6	7.6	< 7.6	7.6	< 7.1	7.1	< 8.4	8.4	< 39	39	< 7.8	7.8	< 7.2	7.2	< 7.2	7.2	< 38	38	< 7.1	7.1	< 7.1	7.1	< 37	37	< 7.6	7.6	< 7.2	7.2	< 7.3	7.3
	Endrin	14	11,000	< 7.6	7.6	< 7.6	7.6	< 7.1	7.1	< 8.4	8.4	< 39	39	< 7.8	7.8	< 7.2	7.2	< 7.2	7.2	< 38	38	< 7.1	7.1	< 7.1	7.1	< 19	19	< 7.6	7.6	< 7.2	7.2	< 7.3	7.3
	Endrin aldehyde			< 7.6	7.6	< 7.6	7.6	< 7.1	7.1	< 8.4	8.4	< 50	50	< 7.8	7.8	< 7.2	7.2	< 7.2	7.2	< 38	38	< 7.1	7.1	< 7.1	7.1	< 75	75	< 7.6	7.6	< 7.2	7.2	< 7.3	7.3
	Endrin ketone			< 7.6	7.6	< 7.6	7.6	< 7.1	7.1	< 8.4	8.4	< 39	39	< 7.8	7.8	< 7.2	7.2	< 7.2	7.2	< 50	50	< 7.1	7.1	< 7.1	7.1	< 37	37	< 7.6	7.6	< 7.2	7.2	< 7.3	7.3
	g-BHC			< 1.5	1.5	< 5.0	5.0	< 1.4	1.4	< 1.7	1.7	< 7.8	7.8	< 1.6	1.6	< 1.4	1.4	< 1.4	1.4	< 7.7	7.7	< 1.4	1.4	< 1.4	1.4	< 7.4	7.4	< 1.5	1.5	< 1.4	1.4	< 1.5	1.5
	g-Chlordane			< 3.8	3.8	< 3.8	3.8	< 3.6	3.6	< 4.2	4.2	< 19	19	< 3.9	3.9	< 3.6	3.6	< 3.6	3.6	< 19	19	< 3.6	3.6	< 5.0	5.0	< 19	19	< 3.8	3.8	< 3.6	3.6	< 3.6	3.6
	Heptachlor	42	2,100	< 7.6	7.6	< 7.6	7.6	< 7.1	7.1	< 8.4	8.4	< 39	39	< 7.8	7.8	< 7.2	7.2	< 7.2	7.2	< 38	38	< 7.1	7.1	< 7.1	7.1	< 37	37	< 7.6	7.6	< 7.2	7.2	< 7.3	7.3
	Heptachlor epoxide			< 7.6	7.6	< 7.6	7.6	< 7.1	7.1	< 8.4	8.4	< 39	39	< 7.8	7.8	< 7.2	7.2	< 7.2	7.2	< 38	38	< 7.1	7.1	< 7.1	7.1	< 37	37	< 7.6	7.6	< 7.2	7.2	< 7.3	7.3
	Methoxychlor			< 38	38	< 38	38	< 36	36	< 42	42	< 190	190	< 39	39	< 36	36	< 36	36	< 190	190	< 36	36	< 35	35	< 190	190	< 38	38	< 36	36	< 36	36
	Toxaphene			< 150	150	< 150	150	< 140	140	< 170	170	< 780	780	< 160	160	< 140	140	< 140	140	< 770	770	< 140	140	< 140	140	< 740	740	< 150	150	< 140	140	< 150	150
PCBs	PCB-1016	100	1,000	< 76	76	< 76	76	< 71	71	< 84	84	< 390	390	< 78	78	< 72	72	< 72	72	< 770	770	< 71	71	< 71	71	< 740	740	< 76	76	< 72	72	< 73	73
	PCB-1221	100	1,000	< 76	76	< 76	76	< 71	71	< 84	84	< 390	390	< 78	78	< 72	72	< 72	72	< 770	770	< 71	71	< 71	71	< 740	740	< 76	76	< 72	72	< 73	73
	PCB-1232	100	1,000	< 76	76	< 76	76	< 71	71	< 84	84	< 390	390	< 78	78	< 72	72	< 72	72	< 770	770	< 71	71	< 71	71	< 740	740	< 76	76	< 72	72	< 73	73
	PCB-1242	100	1,000	< 76	76	< 76	76	< 71	71	< 84	84	< 390	390	< 78	78	< 72	72	< 72	72	< 770	770	< 71	71	< 71	71	< 740	740	< 76	76	< 72	72	< 73	73
	PCB-1248	100	1,000	< 76	76	< 76	76	< 71	71	< 84	84	< 390	390	< 78	78	< 72	72	< 72	72	< 770	770	< 71	71	< 71	71	< 740	740	< 76	76	< 72	72	< 73	73
	PCB-1254	100	1,000	< 76	76	< 76	76	< 71	71	< 84	84	4,700	390	< 78	78	< 72	72	< 72	72	1,900	770	< 71	71	< 71	71	5,700	740	< 76	76	< 72	72	< 73	73
	PCB-1260	100	1,000	< 76	76	< 76	76	< 71	71	< 84	84	< 390	390	< 78	78	< 72	72	< 72	72	< 770	770	< 71	71	< 71	71	< 740	740	< 76	76	< 72	72	< 73	73
	PCB-1262	100		< 76	76	< 76	76	< 71	71	< 84	84	< 390	390	< 78	78	< 72	72	< 72	72	< 770	770	< 71	71	< 71	71	< 740	740	< 76	76	< 72	72	< 73	73
	PCB-1268	100		< 76	76	< 76	76	< 71	71	< 84	84	< 390	390	< 78	78	< 72	72	< 72	72	< 770	770	< 71	71	< 71	71	< 740	740	< 76	76	< 72	72	< 73	73

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
188 East 135th Street, Bronx, 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*	20B1				20B2				20B3				20B4				20B5				20B6				20B7				SOIL DUPLICATE	
			(0-2')		(3-5')		(0-2')		(3-5')		(0-2')		(3-5')		(0-2')		(3-5')		(0-2')		(3-5')		(0-2')		(3-5')		(0-2')		(3-5')		(0-2')	
			9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021	
			mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
	mg/Kg	mg/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
Aluminum			8,870	37	8,190	35	9,160	32	10,600	40	9,050	40	8,370	41	10,500	33	19,900	34	7,120	36	8,730	34	6,560	35	9,150	35	6,540	35	6,860	33	9,240	40
Antimony			< 3.7	3.7	< 3.5	3.5	< 3.2	3.2	< 4.0	4.0	96.4	4.0	< 4.1	4.1	< 3.3	3.3	< 3.4	3.4	44	3.6	< 3.4	3.4	< 3.5	3.5	< 3.5	3.5	< 3.5	3.5	< 3.3	3.3	< 4.0	4.0
Arsenic	13	16	3.2	0.75	5.36	0.70	2.45	0.65	< 0.80	0.80	23.6	0.80	22	0.82	2.91	0.65	1.25	0.69	23.6	0.73	6.27	0.67	4.27	0.70	7.58	0.70	35.1	0.69	9.49	0.67	6.14	0.80
Barium	350	400	56.7	0.7	461	0.7	69.1	0.6	6.8	0.8	2,250	8.0	343	0.8	62.5	0.7	96.5	0.7	1,330	0.7	139	0.7	200	0.7	1,540	7.0	451	0.7	147	0.7	132	0.8
Beryllium	7.2	72	< 0.30	0.30	< 0.28	0.28	0.34	0.26	0.55	0.32	< 0.32	0.32	0.39	0.33	0.53	0.26	0.8	0.28	0.33	0.29	0.42	0.27	0.39	0.28	0.37	0.28	0.95	0.28	0.47	0.27	0.45	0.32
Cadmium	2.5	4.3	0.9	0.37	2.14	0.35	1.05	0.32	0.59	0.40	571	4.0	2.4	0.41	0.34	0.33	< 0.34	0.34	67.9	0.36	0.49	0.34	0.9	0.35	2.58	0.35	7.71	0.35	2.12	0.33	0.49	0.40
Calcium			13,900	37	45,500	35	166,000	320	227,000	400	32,200	40	15,000	41	46,200	33	26,500	34	26,200	36	7,310	3.4	32,500	35	23,800	35	48,800	35	14,500	33	6,720	4.0
Chromium	30	180	21.5	0.37	21.8	0.35	16.3	0.32	14.5	0.40	121	0.40	33	0.41	16.4	0.33	35.3	0.34	138	0.36	18	0.34	34.2	0.35	26.7	0.35	34	0.35	19.4	0.33	18.7	0.40
Cobalt			11.2	0.37	7.39	0.35	7.18	0.32	6.02	0.40	31.3	0.40	18.6	0.41	8.4	0.33	15.6	0.34	22.9	0.36	9.48	0.34	7.55	0.35	8.59	0.35	10	0.35	9.39	0.33	9.76	0.40
Copper	50	270	27.6	0.7	35.2	0.7	117	6.5	13.2	0.8	1,440	8.0	159	0.8	42	0.7	33.8	0.7	476	7.3	35.6	0.7	98.8	0.7	128	0.7	125	0.7	152	6.7	40	0.8
Iron			17,800	37	14,600	35	16,700	32	10,600	4.0	145,000	400	97,200	41	17,700	33	26,200	34	86,100	36	22,100	34	14,800	35	24,600	35	61,000	35	26,500	33	22,500	40
Lead	63	400	75.9	0.7	14,400	70	240	0.6	3.3	0.8	6,530	8.0	895	8.2	2,070	6.5	18.9	0.7	6,970	7.3	289	0.7	295	0.7	951	7.0	3,360	6.9	396	0.7	286	0.8
Magnesium			6,110	37	15,500	35	8,010	32	7,750	40	4,270	4.0	5,710	4.1	6,840	33	12,100	34	4,230	3.6	3,100	3.4	5,900	35	3,670	3.5	11,000	35	9,720	33	3,160	4.0
Manganese	1,600	2,000	268	3.7	251	3.5	240	3.2	189	4.0	954	4.0	601	4.1	238	3.3	346	3.4	590	3.6	270	3.4	247	3.5	407	3.5	437	3.5	370	3.3	363	4.0
Mercury	0.18	0.81	0.21	0.03	1.09	0.03	1.12	0.03	0.04	0.03	7.1	1.5	1.19	0.03	0.44	0.03	0.2	0.03	8.05	1.5	0.21	0.03	0.28	0.03	1.66	0.06	0.84	0.03	0.55	0.03	0.26	0.03
Nickel	30	310	19.2	0.37	14.4	0.35	13.4	0.32	11.7	0.40	192	0.40	28.5	0.41	18.5	0.33	28.9	0.34	91.4	0.36	16.9	0.34	28.5	0.35	23.4	0.35	25.7	0.35	54.3	0.33	18	0.40
Potassium			1,800	7	1,950	7	2,470	6	2,560	8	2,130	8	4,350	82	2,330	7	7,720	69	1,510	7	2,070	7	1,400	7	1,560	7	966	7	1,440	7	2,080	8
Selenium	3.9	180	< 1.5	1.5	< 1.4	1.4	< 1.3	1.3	< 1.6	1.6	< 1.6	1.6	< 1.6	1.6	< 1.3	1.3	< 1.4	1.4	2.1	1.5	< 1.3	1.3	< 1.4	1.4	< 1.4	1.4	2.5	1.4	< 1.3	1.3	< 1.6	1.6
Silver	2	180	< 0.37	0.37	< 0.35	0.35	< 0.32	0.32	< 0.40	0.40	3.7	0.40	< 0.41	0.41	< 0.33	0.33	< 0.34	0.34	2.38	0.36	< 0.34	0.34	< 0.35	0.35	0.4	0.35	< 0.35	0.35	< 0.33	0.33	< 0.40	0.40
Sodium			164	7	271	7	1,140	6	1,680	8	3,620	8	252	8	477	7	1,220	7	535	7	157	7	200	7	284	7	322	7	205	7	149	8
Thallium			< 1.5	1.5	< 1.4	1.4	< 1.3	1.3	< 1.6	1.6	< 1.6	1.6	< 1.6	1.6	< 1.3	1.3	< 1.4	1.4	< 1.5	1.5	< 1.3	1.3	< 1.4	1.4	< 1.4	1.4	< 1.4	1.4	< 1.3	1.3	< 1.6	1.6
Vanadium			28.4	0.37	48.8	0.35	17.6	0.32	10.5	0.40	633	4.0	46.9	0.41	21.7	0.33	57.7	0.34	91.3	0.36	24.3	0.34	23.6	0.35	55.6	0.35	33	0.35	23.9	0.33	24.6	0.40
Zinc	109	10,000	85	0.7	452	7.0	232	0.6	229	0.8	9,130	80	437	8.2	74.5	0.7	74.2	0.7	4,610	73	175	0.7	304	0.7	873	7.0	2,120	6.9	677	6.7	190	0.8

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
188 East 135th Street, Bronx, New York
Soil Analytical Results
Emerging Contaminants

Compound	SB3 (0-2') bsg. 9/20/2021 ng/g	
	Result	DL
Perfluorobutanesulfonic Acid (PFBS)	ND	0.274
Perfluorohexanoic Acid (PFHxA)	**0.854**	0.274
Perfluoroheptanoic Acid (PFHpA)	**0.432**	0.274
Perfluorohexanesulfonic Acid (PFHxS)	ND	0.274
Perfluorooctanoic Acid (PFOA)	**1.09**	0.274
Perfluorooctanesulfonic Acid (PFOS)	**0.524**	0.274
Perfluorononanoic Acid (PFNA)	ND	0.274
Perfluorodecanoic Acid (PFDA)	ND	0.274
Perfluoroundecanoic Acid (PFUnA)	ND	0.274
Perfluorododecanoic Acid (PFDoA)	ND	0.274
Perfluorotridecanoic Acid (PFTrDA)	ND	0.274
Perfluorotetradecanoic Acid (PFTA)	ND	0.274
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	0.274
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	0.274
Perfluoropentanoic Acid (PFPeA)	**0.367**	0.274
Perfluorooctanesulfonamide (FOSA)	ND	0.274
Perfluoroheptanesulfonic Acid (PFHpS)	ND	0.274
Perfluorodecanesulfonic Acid (PFDS)	ND	0.274
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	0.274
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	0.274
Perfluorobutanoic Acid (PFBA)	**5.76**	0.274
Combined PFOA and PFOS	**0.516**	
Combined Total Detections	**0.516**	

Compound	20B2 (0-2') bsg. 9/20/2021 ug/Kg	
	Result	RL
1,4-dioxane (8270D - SIM)	<72	72

Notes:

DL- Detection Limit

J- The value is estimated.

ND- Not Detected

The USEPA Health Advisory Level for drinking water is 70 ng/L (ppt) for combined detections of PFOA and PFOs

Table 7
188 East 135th Street, Bronx, New York
Groundwater Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards	20MW1		20MW2		20MW3		20MW4		Duplicate	
		10/1/2021		10/1/2021		10/1/2021		10/1/2021		10/1/2021	
		µg/L		µg/L		µg/L		µg/L		µg/L	
	µg/L	Result	RL	Result	RL	Result	RL	Result	RL	Result	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	5	< 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	< 1.0	1.0	< 1.0	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-Dichlorobenzene	0.0006	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25
1,2-Dichloroethane		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2-Dichloropropane	0.6	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60
1,2-Dibromoethane	1	< 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	3	< 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		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,4-Dioxane by 8260C		< 100	100	< 100	100	< 100	100	< 100	100	< 100	100
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)	50	< 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	**3.6**	5.0	**3.6**	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Acrolein	5	< 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	< 0.70	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	50	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromoform	50	< 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		< 1.0	1.0	**0.42**	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	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloromethane	5	< 5.0	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	0.04	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
Dibromochloromethane	50	< 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	< 1.0	1.0	< 1.0	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		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Methyl Ethyl Ketone (2-Butanone)	50	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Methyl t-butyl ether (MTBE)		< 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	< 1.0	1.0	< 1.0	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	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
p-Isopropyltoluene	5	< 1.0	1.0	< 1.0	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	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Tert-butyl alcohol		< 50	50	< 50	50	< 50	50	< 50	50	< 50	50
tert-Butylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Tetrachloroethene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Tetrahydrofuran (THF)	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Toluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
trans-1,2-Dichloroethene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
trans-1,3-Dichloropropene	0.4	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
trans-1,4-dichloro-2-butene	5	< 2.5	2.5	< 2.5	2.5	< 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	5	< 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 8
188 East 135th Street, Bronx, New York
Groundwater Analytical Results
Semi-Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards	20MW1		20MW2		20MW3		20MW4		Duplicate	
		10/1/2021		10/1/2021		10/1/2021		10/1/2021		10/1/2021	
		µg/L		µg/L		µg/L		µg/L		µg/L	
	µg/L	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,2,4,5-Tetrachlorobenzene		< 3.4	3.4	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5	< 3.5	3.5
1,2,4-Trichlorobenzene		< 4.9	4.9	< 5.1	5.1	< 5.2	5.2	< 5.0	5.0	< 5.0	5.0
1,2-Dichlorobenzene		< 0.98	0.98	< 1.0	1.0	< 1.0	1.0	< 0.99	0.99	< 1.0	1.0
1,2-Diphenylhydrazine		< 4.9	4.9	< 5.1	5.1	< 5.2	5.2	< 5.0	5.0	< 5.0	5.0
1,3-Dichlorobenzene	3	< 0.98	0.98	< 1.0	1.0	< 1.0	1.0	< 0.99	0.99	< 1.0	1.0
1,4-Dichlorobenzene		< 0.98	0.98	< 1.0	1.0	< 1.0	1.0	< 0.99	0.99	< 1.0	1.0
2,4,5-Trichlorophenol	1	< 0.98	0.98	< 1.0	1.0	< 1.0	1.0	< 0.99	0.99	< 1.0	1.0
2,4,6-Trichlorophenol	1	< 0.98	0.98	< 1.0	1.0	< 1.0	1.0	< 0.99	0.99	< 1.0	1.0
2,4-Dichlorophenol	1	< 0.98	0.98	< 1.0	1.0	< 1.0	1.0	< 0.99	0.99	< 1.0	1.0
2,4-Dimethylphenol	1	< 0.98	0.98	< 1.0	1.0	< 1.0	1.0	< 0.99	0.99	< 1.0	1.0
2,4-Dinitrophenol	1	< 0.98	0.98	< 1.0	1.0	< 1.0	1.0	< 0.99	0.99	< 1.0	1.0
2,4-Dinitrotoluene	5	< 4.9	4.9	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
2,6-Dinitrotoluene	5	< 4.9	4.9	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
2-Chloronaphthalene	10	< 4.9	4.9	< 5.1	5.1	< 5.2	5.2	< 5.0	5.0	< 5.0	5.0
2-Chlorophenol	1	< 0.98	0.98	< 1.0	1.0	< 1.0	1.0	< 0.99	0.99	< 1.0	1.0
2-Methylnaphthalene		< 4.9	4.9	< 5.1	5.1	< 5.2	5.2	< 5.0	5.0	< 5.0	5.0
2-Methylphenol (o-cresol)	1	< 0.98	0.98	< 1.0	1.0	< 1.0	1.0	< 0.99	0.99	< 1.0	1.0
2-Nitroaniline	5	< 4.9	4.9	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
2-Nitrophenol	1	< 0.98	0.98	< 1.0	1.0	< 1.0	1.0	< 0.99	0.99	< 1.0	1.0
3&4-Methylphenol (m&p-cresol)		< 0.98	0.98	< 1.0	1.0	< 1.0	1.0	< 0.99	0.99	< 1.0	1.0
3,3'-Dichlorobenzidine	5	< 4.9	4.9	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
3-Nitroaniline	5	< 4.9	4.9	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
4,6-Dinitro-2-methylphenol	1	< 0.98	0.98	< 1.0	1.0	< 1.0	1.0	< 0.99	0.99	< 1.0	1.0
4-Bromophenyl phenyl ether		< 4.9	4.9	< 5.1	5.1	< 5.2	5.2	< 5.0	5.0	< 5.0	5.0
4-Chloro-3-methylphenol	1	< 0.98	0.98	< 1.0	1.0	< 1.0	1.0	< 0.99	0.99	< 1.0	1.0
4-Chloroaniline	5	< 3.4	3.4	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5	< 3.5	3.5
4-Chlorophenyl phenyl ether		< 4.9	4.9	< 5.1	5.1	< 5.2	5.2	< 5.0	5.0	< 5.0	5.0
4-Nitroaniline	5	< 4.9	4.9	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
4-Nitrophenol	1	< 0.98	0.98	< 1.0	1.0	< 1.0	1.0	< 0.99	0.99	< 1.0	1.0
Acenaphthene	20	< 4.9	4.9	< 5.1	5.1	< 5.2	5.2	< 5.0	5.0	< 5.0	5.0
Acenaphthylene		< 0.49	0.49	< 0.51	0.51	< 0.52	0.52	< 0.50	0.50	< 0.50	0.50
Acetophenone		< 4.9	4.9	< 5.1	5.1	< 5.2	5.2	< 5.0	5.0	< 5.0	5.0
Aniline	5	< 3.4	3.4	< 3.5	3.5	< 3.6	3.6	< 3.5	3.5	< 3.5	3.5
Anthracene	50	< 4.9	4.9	< 5.1	5.1	< 5.2	5.2	< 5.0	5.0	< 5.0	5.0
Benzidine	5	< 4.4	4.4	< 4.5	4.5	< 4.7	4.7	< 4.5	4.5	< 4.5	4.5
Benzo(a)anthracene	5	< 0.02	0.02	**0.49**	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Benzo(a)pyrene	0.002	< 0.02	0.02	**0.64**	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Benzo(b)fluoranthene	0.002	< 0.02	0.02	**0.57**	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Benzo(g,h,i)perylene		< 0.49	0.49	**0.52**	0.51	< 0.52	0.52	< 0.50	0.50	< 0.50	0.50
Benzo(k)fluoranthene	0.002	< 0.02	0.02	**0.49**	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Benzoic Acid		< 25	25	< 25	25	< 26	26	< 25	25	< 25	25
Benzyl butyl phthalate	50	< 4.9	4.9	< 5.1	5.1	< 5.2	5.2	< 5.0	5.0	< 5.0	5.0
Bis(2-chloroethoxy)methane	5	< 4.9	4.9	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Bis(2-chloroethyl)ether	1	< 0.98	0.98	< 1.0	1.0	< 1.0	1.0	< 0.99	0.99	< 1.0	1.0
Bis(2-chloroisopropyl)ether	5	< 4.9	4.9	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Bis(2-ethylhexyl)phthalate	5	< 0.98	0.98	< 1.0	1.0	< 1.0	1.0	< 0.99	0.99	< 1.0	1.0
Carbazole		< 4.9	4.9	< 5.1	5.1	< 5.2	5.2	< 5.0	5.0	< 5.0	5.0
Chrysene	0.002	< 0.02	0.02	**0.49**	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Dibenzo(a,h)anthracene		< 0.49	0.49	< 0.51	0.51	< 0.52	0.52	< 0.50	0.50	< 0.50	0.50
Dibenzofuran		< 4.9	4.9	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Diethylphthalate	50	< 4.9	4.9	< 5.1	5.1	< 5.2	5.2	< 5.0	5.0	< 5.0	5.0
Dimethylphthalate	50	< 4.9	4.9	< 5.1	5.1	< 5.2	5.2	< 5.0	5.0	< 5.0	5.0
Di-n-butylphthalate	50	< 4.9	4.9	< 5.1	5.1	< 5.2	5.2	< 5.0	5.0	< 5.0	5.0
Di-n-octylphthalate	50	< 4.9	4.9	< 5.1	5.1	< 5.2	5.2	< 5.0	5.0	< 5.0	5.0
Fluoranthene	50	< 4.9	4.9	< 5.1	5.1	< 5.2	5.2	< 5.0	5.0	< 5.0	5.0
Fluorene	50	< 4.9	4.9	< 5.1	5.1	< 5.2	5.2	< 5.0	5.0	< 5.0	5.0
Hexachlorobenzene	0.04	< 0.04	0.04	< 0.04	0.04	< 0.04	0.04	< 0.04	0.04	< 0.04	0.04
Hexachlorobutadiene	0.5	< 0.49	0.49	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
Hexachlorocyclopentadiene	5	< 0.49	0.49	< 0.51	0.51	< 0.52	0.52	< 0.50	0.50	< 0.50	0.50
Hexachloroethane	5	< 0.98	0.98	< 1.0	1.0	< 1.0	1.0	< 0.99	0.99	< 1.0	1.0
Indeno(1,2,3-cd)pyrene	0.002	< 0.02	0.02	**0.64**	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Isophorone	50	< 4.9	4.9	< 5.1	5.1	< 5.2	5.2	< 5.0	5.0	< 5.0	5.0
Naphthalene	10	< 4.9	4.9	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Nitrobenzene	0.4	< 0.39	0.39	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
N-Nitrosodimethylamine		< 0.10	0.10	< 0.10	0.10	< 0.10	0.10	< 0.10	0.10	< 0.10	0.10
N-Nitrosodi-n-propylamine		< 4.9	4.9	< 5.1	5.1	< 5.2	5.2	< 5.0	5.0	< 5.0	5.0
N-Nitrosodiphenylamine	50	< 4.9	4.9	< 5.1	5.1	< 5.2	5.2	< 5.0	5.0	< 5.0	5.0
Pentachloronitrobenzene		< 2.5	2.5	< 2.5	2.5	< 2.6	2.6	< 2.5	2.5	< 2.5	2.5
Pentachlorophenol	1	< 0.49	0.49	< 0.51	0.51	< 0.52	0.52	< 0.50	0.50	< 0.50	0.50
Phenanthrene	50	< 0.49	0.49	< 0.51	0.51	< 0.52	0.52	< 0.50	0.50	< 0.50	0.50
Phenol	1	< 0.98	0.98	< 1.0	1.0	< 1.0	1.0	< 0.99	0.99	< 1.0	1.0
Pyrene	50	< 4.9	4.9	< 5.1	5.1	< 5.2	5.2	< 5.0	5.0	< 5.0	5.0
Pyridine	50	< 9.8	9.8	< 10	10	< 10	10	< 9.9	9.9	< 10	10

Notes:

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

Table 9
188 East 135th Street, Bronx, New York
Groundwater Analytical Results
Pesticides/PCBs

	Compound	NYSDEC Groundwater Quality Standards	20MW1		20MW2		20MW3		20MW4		Duplicate	
			10/1/2021		10/1/2021		10/1/2021		10/1/2021		10/1/2021	
			µg/L		µg/L		µg/L		µg/L		µg/L	
		µg/L	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Pesticides	4,4-DDD	0.3	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
	4,4-DDE	0.2	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
	4,4-DDT	0.2	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
	a-BHC	0.01	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
	a-chlordane		< 0.010	0.010	< 0.010	0.010	< 0.010	0.010	< 0.010	0.010	< 0.011	0.011
	Alachlor	0.5	< 0.077	0.077	< 0.078	0.078	< 0.078	0.078	< 0.077	0.077	< 0.079	0.079
	Aldrin		< 0.002	0.002	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002
	b-BHC	0.04	< 0.010	0.010	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
	Chlordane	0.05	< 0.020	0.020	< 0.021	0.021	< 0.021	0.021	< 0.020	0.020	< 0.021	0.021
	d-BHC	0.04	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
	Dieldrin	0.004	< 0.004	0.004	< 0.002	0.002	< 0.004	0.004	< 0.002	0.002	< 0.004	0.004
	Endosulfan I		< 0.010	0.010	< 0.010	0.010	< 0.010	0.010	< 0.010	0.010	< 0.011	0.011
	Endosulfan II		< 0.010	0.010	< 0.010	0.010	< 0.010	0.010	< 0.010	0.010	< 0.011	0.011
	Endosulfan Sulfate		< 0.010	0.010	< 0.010	0.010	< 0.010	0.010	< 0.010	0.010	< 0.011	0.011
	Endrin		< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
	Endrin aldehyde	5	< 0.010	0.010	< 0.010	0.010	< 0.010	0.010	< 0.010	0.010	< 0.011	0.011
	Endrin ketone	5	< 0.010	0.010	< 0.010	0.010	< 0.010	0.010	< 0.010	0.010	< 0.011	0.011
	gamma-BHC	0.05	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
	g-chlordane		< 0.010	0.010	< 0.010	0.010	< 0.010	0.010	< 0.010	0.010	< 0.011	0.011
	Heptachlor	0.04	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
	Heptachlor epoxide	0.03	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
	Methoxychlor	35	< 0.10	0.10	< 0.10	0.10	< 0.10	0.10	< 0.10	0.10	< 0.11	0.11
	Toxaphene	0.06	< 0.20	0.20	< 0.21	0.21	< 0.21	0.21	< 0.20	0.20	< 0.21	0.21
PCBs	PCB-1016	0.09	< 0.051	0.051	< 0.052	0.052	< 0.052	0.052	< 0.051	0.051	< 0.053	0.053
	PCB-1221	0.09	< 0.051	0.051	< 0.052	0.052	< 0.052	0.052	< 0.051	0.051	< 0.053	0.053
	PCB-1232	0.09	< 0.051	0.051	< 0.052	0.052	< 0.052	0.052	< 0.051	0.051	< 0.053	0.053
	PCB-1242	0.09	< 0.051	0.051	< 0.052	0.052	< 0.052	0.052	< 0.051	0.051	< 0.053	0.053
	PCB-1248	0.09	< 0.051	0.051	< 0.052	0.052	< 0.052	0.052	< 0.051	0.051	< 0.053	0.053
	PCB-1254	0.09	< 0.051	0.051	< 0.052	0.052	< 0.052	0.052	< 0.051	0.051	< 0.053	0.053
	PCB-1260	0.09	< 0.051	0.051	< 0.052	0.052	< 0.052	0.052	< 0.051	0.051	< 0.053	0.053
	PCB-1262		< 0.051	0.051	< 0.052	0.052	< 0.052	0.052	< 0.051	0.051	< 0.053	0.053
	PCB-1268		< 0.051	0.051	< 0.052	0.052	< 0.052	0.052	< 0.051	0.051	< 0.053	0.053

Notes:

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

Table 10
188 East 135th Street, Bronx, New York
Groundwater Analytical Results
TAL Metals

Compound	NYSDEC Groundwater Quality Standards	20MW1		20MW2		20MW3		20MW4		Duplicate	
		10/1/2021		10/1/2021		10/1/2021		10/1/2021		10/1/2021	
		mg/L		mg/L		mg/L		mg/L		mg/L	
	mg/L	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Aluminum		**3.75**	0.020	**108**	0.20	< 0.020	0.020	< 0.020	0.020	< 0.020	0.020
Antimony	0.003	< 0.0030	0.0030	**0.0029**	0.0030	< 0.0030	0.0030	< 0.0030	0.0030	< 0.0030	0.0030
Arsenic	0.025	**0.008**	0.004	**0.033**	0.004	**0.019**	0.004	**0.014**	0.004	**0.019**	0.004
Barium	1	**0.126**	0.010	**0.679**	0.010	**0.093**	0.010	**0.096**	0.010	**0.096**	0.010
Beryllium	0.003	< 0.001	0.001	**0.011**	0.001	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001
Cadmium	0.005	< 0.004	0.004	**0.008**	0.004	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004
Calcium		**108**	0.010	**136**	0.010	**100**	0.010	**102**	0.010	**104**	0.010
Chromium	0.05	**0.006**	0.001	**0.191**	0.001	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001
Cobalt		**0.006**	0.005	**0.084**	0.005	**0.002**	0.005	**0.002**	0.005	**0.002**	0.005
Copper	0.2	**0.019**	0.005	**0.358**	0.005	**0.016**	0.005	**0.007**	0.005	**0.006**	0.005
Iron	0.3	**11.1**	0.01	**203**	0.10	**5.41**	0.01	**5.95**	0.01	**5.21**	0.01
Lead	0.025	**0.028**	0.002	**0.876**	0.002	< 0.002	0.002	**0.001**	0.002	< 0.002	0.002
Magnesium	35	**39.8**	0.010	**87.7**	0.10	**43.5**	0.010	**42.8**	0.010	**46.9**	0.010
Manganese	0.3	**1.94**	0.005	**7.54**	0.050	**1.91**	0.005	**1.93**	0.005	**2.09**	0.050
Mercury	0.0007	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002
Nickel	0.1	**0.01**	0.004	**0.165**	0.004	**0.006**	0.004	**0.006**	0.004	**0.007**	0.004
Potassium		**21.2**	0.1	**42.6**	0.1	**22.2**	0.1	**21.8**	0.1	**23.6**	0.1
Selenium	0.01	**0.001**	0.010	< 0.010	0.010	< 0.010	0.010	**0.002**	0.010	< 0.010	0.010
Silver	0.05	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
Sodium	20	**308**	1.0	**201**	1.0	**350**	1.0	**333**	1.0	**369**	1.0
Thallium	0.0005	< 0.0005	0.0005	**0.002**	0.0005	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	0.0005
Vanadium		**0.007**	0.010	**0.26**	0.010	< 0.010	0.010	< 0.010	0.010	**0.001**	0.010
Zinc	5	**0.043**	0.010	**1.02**	0.010	**0.014**	0.010	**0.011**	0.010	**0.009**	0.010

Notes:

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

Table 11
188 East 135th Street, Bronx, New York
Groundwater Analytical Results
TAL Filtered Metals

Compound	NYSDEC Groundwater Quality Standards	20MW1		20MW2		20MW3		20MW4		Duplicate	
		10/1/2021		10/1/2021		10/1/2021		10/1/2021		10/1/2021	
		mg/L		mg/L		mg/L		mg/L		mg/L	
	mg/L	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Aluminum		**0.016**	0.011	**0.245**	0.011	**0.016**	0.011	**0.015**	0.011	**0.023**	0.011
Antimony	0.003	**0.0022**	0.0003	**0.0106**	0.0003	**0.0019**	0.0003	**0.0036**	0.0003	**0.0019**	0.0003
Arsenic	0.025	**0.004**	0.003	**0.004**	0.003	**0.006**	0.003	**0.004**	0.003	**0.006**	0.003
Barium	1	**0.08**	0.011	**0.049**	0.011	**0.07**	0.011	**0.072**	0.011	**0.066**	0.011
Beryllium	0.003	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001
Cadmium	0.005	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004
Calcium		**97.8**	0.01	**63.9**	0.01	**96.2**	0.01	**96.2**	0.01	**96.6**	0.01
Chromium	0.05	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001
Cobalt		**0.001**	0.005	< 0.005	0.005	**0.001**	0.005	**0.001**	0.005	**0.001**	0.005
Copper	0.2	**0.002**	0.005	**0.004**	0.005	**0.002**	0.005	**0.002**	0.005	**0.001**	0.005
Iron	0.3	< 0.01	0.01	**0.22**	0.01	< 0.01	0.01	< 0.01	0.01	< 0.01	0.01
Lead	0.025	< 0.002	0.002	**0.004**	0.002	**0.002**	0.002	< 0.002	0.002	**0.001**	0.002
Magnesium	35	**34.4**	0.01	**28.6**	0.01	**38.5**	0.01	**37.8**	0.01	**40.6**	0.01
Manganese	0.3	**1.46**	0.005	**0.262**	0.005	**1.61**	0.005	**1.54**	0.005	**1.67**	0.005
Mercury	0.0007	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002
Nickel	0.1	**0.003**	0.004	**0.002**	0.004	**0.004**	0.004	**0.004**	0.004	**0.004**	0.004
Potassium		**17.7**	0.1	**20.2**	0.1	**19.4**	0.1	**19**	0.1	**19.9**	0.1
Selenium	0.01	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002
Silver	0.05	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
Sodium	20	**315**	1.1	**84.7**	1.1	**347**	1.1	**342**	1.1	**361**	1.1
Thallium	0.0005	< 0.0003	0.0003	< 0.0003	0.0003	< 0.0003	0.0003	< 0.0003	0.0003	< 0.0003	0.0003
Vanadium		< 0.011	0.011	**0.001**	0.011	**0.001**	0.011	< 0.011	0.011	< 0.011	0.011
Zinc	5	**0.003**	0.011	**0.003**	0.011	**0.003**	0.011	**0.002**	0.011	< 0.011	0.011

Notes:

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

Table 12
188 East 135th Street, Bronx, New York
Groundwater Analytical Results
Emerging Contaminants

Compound	20MW1		20MW2		20MW3	
	1/8/2021		1/8/2021		1/8/2021	
	ng/L		ng/L		ng/L	
	Result	DL	Result	DL	Result	DL
Perfluorobutanesulfonic Acid (PFBS)	**2.01**	1.85	**2.71**	1.85	**2.49**	1.85
Perfluorohexanoic Acid (PFHxA)	**3.41**	1.85	**8.74**	1.85	**4.41**	1.85
Perfluoroheptanoic Acid (PFHpA)	**3.34**	1.85	**8.82**	1.85	**3.89**	1.85
Perfluorohexanesulfonic Acid (PFHxS)	ND	1.85	ND	1.85	ND	1.85
Perfluorooctanoic Acid (PFOA)	**21.6**	1.85	**35.3**	1.85	**18.2**	1.85
Perfluorooctanesulfonic Acid (PFOS)	**25.1**	1.85	**25.5**	1.85	**24.4**	1.85
Perfluorononanoic Acid (PFNA)	**5.78**	1.85	**3.07**	1.85	**4.41**	1.85
Perfluorodecanoic Acid (PFDA)	**2.01**	1.85	**2.46**	1.85	**1.88**	1.85
Perfluoroundecanoic Acid (PFUnA)	ND	1.85	ND	1.85	ND	1.85
Perfluorododecanoic Acid (PFDoA)	ND	1.85	ND	1.85	ND	1.85
Perfluorotridecanoic Acid (PFTrDA)	ND	1.85	ND	1.85	ND	1.85
Perfluorotetradecanoic Acid (PFTA)	ND	1.85	ND	1.85	ND	1.85
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	1.85	ND	1.85	ND	1.85
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.85	ND	1.85	ND	1.85
Perfluoropentanoic Acid (PFPeA)	**4.67**	1.85	**10.8**	1.85	**5.36**	1.85
Perfluorooctanesulfonamide (FOSA)	ND	1.85	ND	1.85	ND	1.85
Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.85	ND	1.85	ND	1.85
Perfluorodecanesulfonic Acid (PFDS)	ND	1.85	ND	1.85	ND	1.85
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.63	ND	4.63	ND	4.63
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	1.85	ND	1.85	ND	1.85
Perfluorobutanoic Acid (PFBA)	**5.84**	1.85	**10.0**	1.85	**6.29**	1.85
Combined PFOA and PFOS	**46.7**		**60.8**		**42.6**	
Combined Total Detections	**73.76**		**107.4**		**71.33**	

Notes:

DL- Detection Limit

F - The ratio of quanitifer ion response to qualifier ion response falls outside the laboratory criteria. Results area considerered to be an estimated maximimum concentration

J- The value is estimated.

ND- Not Detected

The USEPA Health Advisory Level for drinking water is 70 ng/L (ppt) for combined detections of PFOA and PFOs

Table 13
188 East 135th Street, Bronx, New York
Soil Gas - Volatile Organic Compounds

COMPOUNDS	NYSDOH Maximum Sub-Slab Value	NYSDOH Soil Outdoor Background Levels	SV1		SV2		SV3		SV4		SV5	
			10/1/2021		10/1/2021		10/1/2021		10/1/2021		10/1/2021	
			µg/m³		µg/m³		µg/m³		µg/m³		µg/m³	
	(µg/m³) [a]	(µg/m³) [b]	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane			< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00
1,1,1-Trichloroethane	100	<2.0 - 2.8	< 5.00	5.00	< 5.00	5.00	**6**	5.00	< 5.00	5.00	< 5.00	5.00
1,1,2,2-Tetrachloroethane		<1.5	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00
1,1,2-Trichloroethane		<1.0	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00
1,1-Dichloroethane		<1.0	< 5.02	5.02	< 5.02	5.02	< 5.02	5.02	< 5.02	5.02	< 5.02	5.02
1,1-Dichloroethene		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2,4-Trichlorobenzene		NA	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00
1,2,4-Trimethylbenzene		<1.0	**12.2**	5.01	**12.7**	5.01	**9.53**	5.01	**9.09**	5.01	**10.7**	5.01
1,2-Dibromoethane		<1.5	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00
1,2-Dichlorobenzene		<2.0	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00
1,2-Dichloroethane		<1.0	< 5.02	5.02	< 5.02	5.02	< 5.02	5.02	< 5.02	5.02	< 5.02	5.02
1,2-Dichloropropane			< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99
1,2-Dichlorotetrafluoroethane			< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00
1,3,5-Trimethylbenzene		<1.0	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01
1,3-Butadiene		NA	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00
1,3-Dichlorobenzene		<2.0	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00
1,4-Dichlorobenzene		NA	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00
1,4-Dioxane			< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01
2-Hexanone			**314**	4.99	**259**	4.99	**110**	4.99	**97.4**	4.99	**316**	4.99
4-Ethyltoluene		NA	**8.99**	5.01	**9.29**	5.01	**5.99**	5.01	**5.94**	5.01	**7.52**	5.01
4-Isopropyltoluene			**16**	5.00	**17.6**	5.00	**12.2**	5.00	**12.8**	5.00	**15.1**	5.00
4-Methyl-2-pentanone			< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99
Acetone		NA	**1,770**	99.9	**3,510**	99.9	**1,640**	39.9	**1,270**	20.0	**3,010**	99.9
Acrylonitrile			< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01
Benzene		<1.6 - 4.7	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01
Benzyl Chloride		NA	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00
Bromodichloromethane		<5.0	< 5.00	5.00	< 5.00	5.00	**6.13**	5.00	< 5.00	5.00	< 5.00	5.00
Bromoform		<1.0	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00
Bromomethane		<1.0	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01
Carbon Disulfide		NA	< 5.01	5.01	**28.9**	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01
Carbon Tetrachloride	5	<3.1	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Chlorobenzene		<2.0	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01
Chloroethane		NA	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01
Chloroform		<2.4	< 4.98	4.98	< 4.98	4.98	**149**	4.98	< 4.98	4.98	< 4.98	4.98
Chloromethane		<1.0 - 1.4	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99
cis-1,2-Dichloroethene		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
cis-1,3-Dichloropropene		NA	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99
Cyclohexane		NA	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99
Dibromochloromethane		<5.0	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00
Dichlorodifluromethane		NA	< 4.99	4.99	**9.79**	4.99	**6.33**	4.99	< 4.99	4.99	< 4.99	4.99
Ethanol			**143**	5.01	**369**	5.01	**130**	5.01	**78.3**	5.01	**233**	5.01
Ethyl Acetate		NA	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01
Ethylbenzene		<4.3	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99
Heptane		NA	**6.96**	5.00	**11.2**	5.00	< 5.00	5.00	< 5.00	5.00	**8.15**	5.00
Hexachlorobutadiene		NA	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00
Hexane		<1.5	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00
Isopropylalcohol		NA	**33.2**	5.01	**167**	5.01	**49.1**	5.01	**33.2**	5.01	**51.6**	5.01
Isopropylbenzene			< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01
Xylene (m&p)		<4.3	**22.3**	4.99	**20.7**	4.99	**10.9**	4.99	**10.6**	4.99	**15.8**	4.99
Methyl Ethyl Ketone			**3,300**	99.9	**4,540**	99.9	**2,030**	40.1	**1,620**	20.0	**4,950**	99.9
MTBE		NA	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01
Methylene Chloride		<3.4	< 15.0	15.0	< 15.0	15.0	< 15.0	15.0	< 15.0	15.0	< 15.0	15.0
n-Butylbenzene			< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00
Xylene (o)		<4.3	**9.89**	4.99	**11.1**	4.99	**5.6**	4.99	**5.95**	4.99	**7.33**	4.99
Propylene		NA	**133**	5.01	**168**	5.01	**88.8**	5.01	**70.5**	5.01	**200**	5.01
sec-Butylbenzene			< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00
Styrene		<1.0	< 4.98	4.98	< 4.98	4.98	< 4.98	4.98	< 4.98	4.98	< 4.98	4.98
Tetrachloroethene	30		**2.75**	1.25	**487**	1.25	**55.2**	1.25	**33**	1.25	**15.5**	1.25
Tetrahydrofuran		NA	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01
Toluene		1.0 - 6.1	**9.34**	5.01	**6.97**	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01
trans-1,2-Dichloroethene		NA	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99
trans-1,3-Dichloropropene		NA	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99
Trichloroethene	5	<1.7	< 1.00	1.00	**1.56**	1.00	**2.74**	1.00	< 1.00	1.00	< 1.00	1.00
Trichlorofluoromethane		NA	< 5.00	5.00	**11.1**	5.00	< 5.00	5.00	**5.53**	5.00	< 5.00	5.00
Trichlorotrifluoroethane			< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00
Vinyl Chloride		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
BTEX			**41.53**		**38.77**		**16.5**		**16.55**		**23.13**	
Total VOCs			**5,781.6**		**9,640.91**		**4,317.5**		**3,252.3**		**8,840.7**	
Total CVOCs			**2.75**		**488.56**		**63.94**		**33**		**15.5**	

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

FIGURES

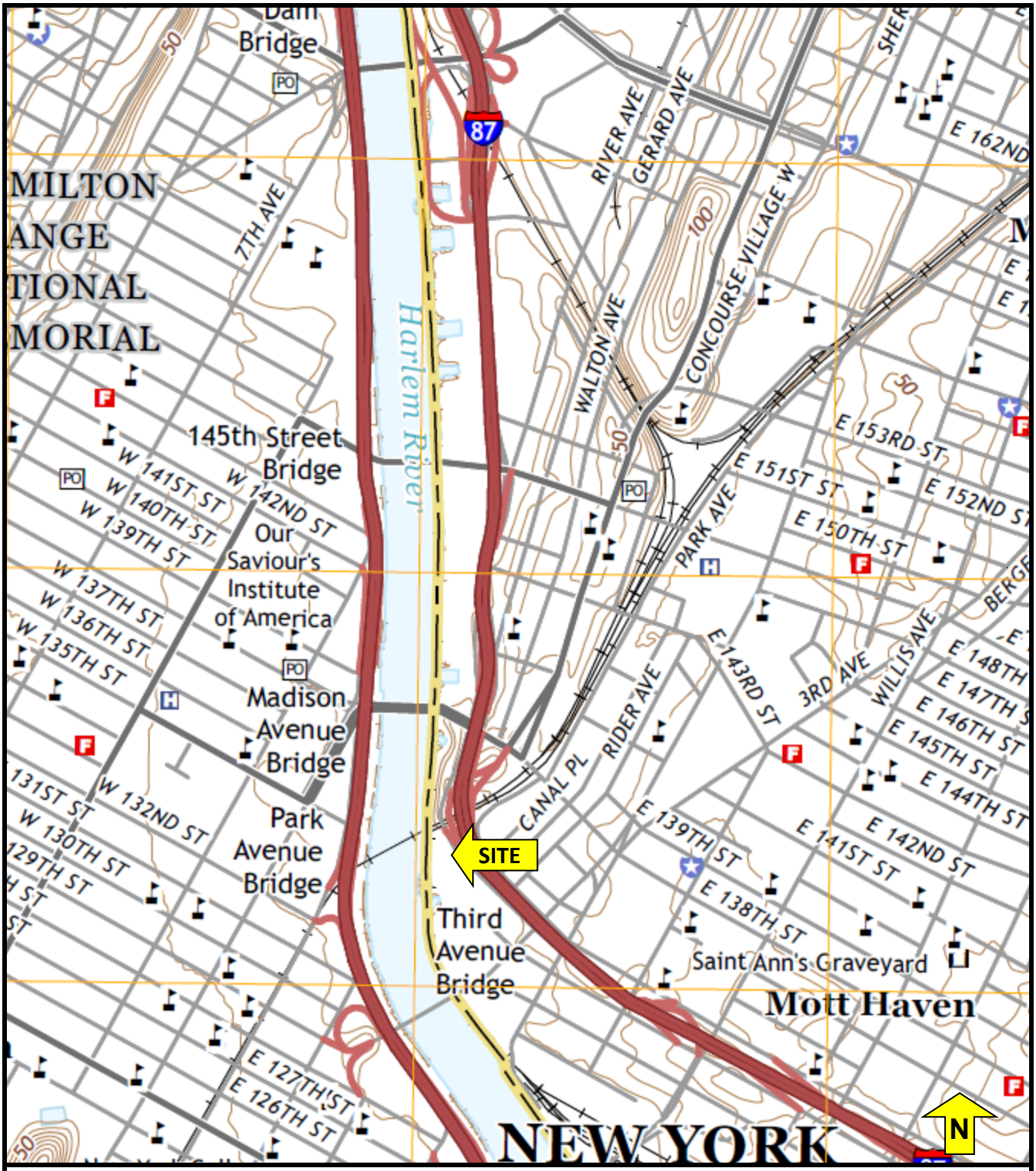


FIGURE 1 – SITE LOCATION MAP

BRUSSEE
Environmental Corp.

14 EVANS LANE
MILLER PLACE, NY 11764

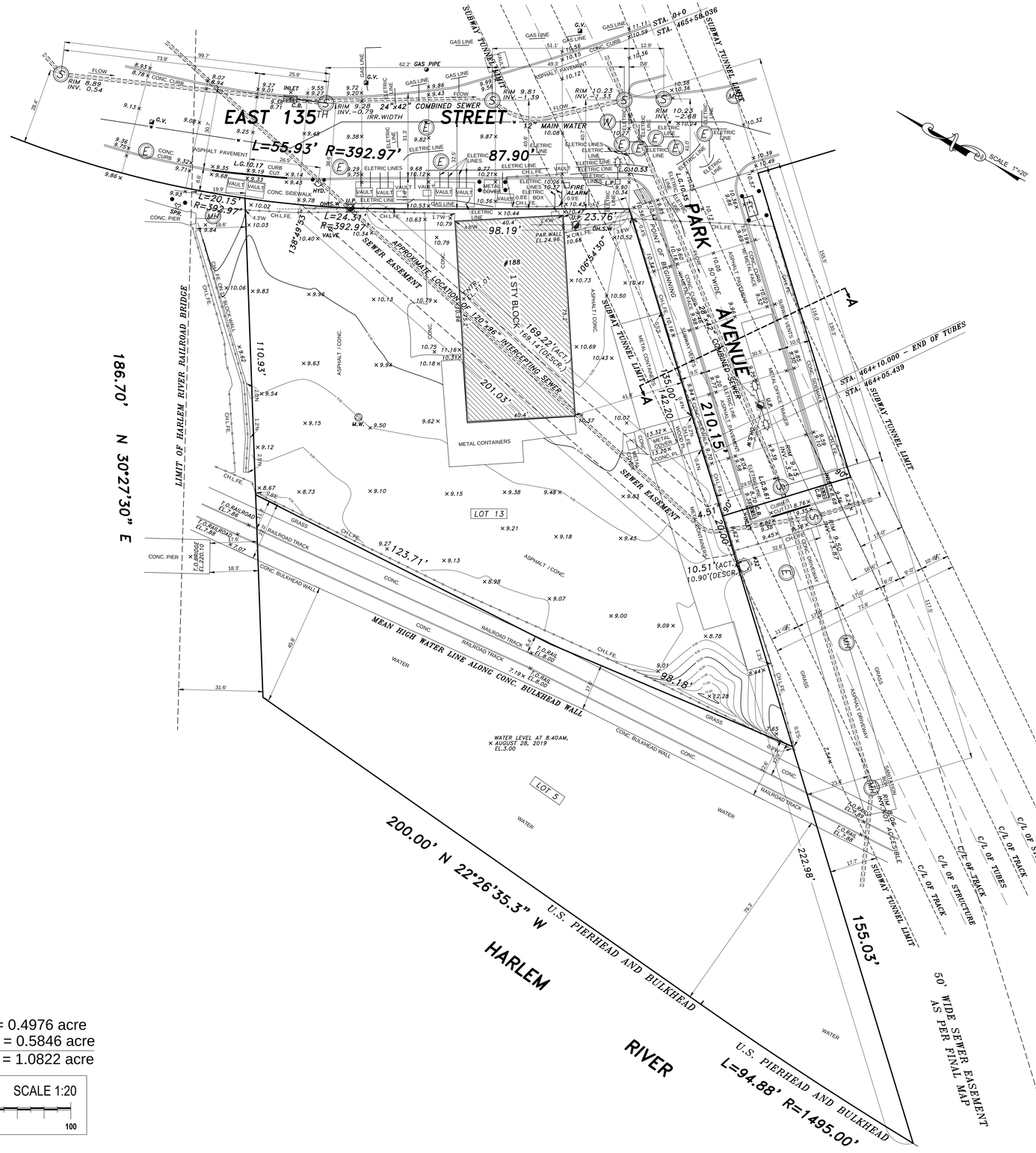
SITE NAME: Redevelopment Project
STREET ADDRESS: 188 East 135th Street
MUNICIPALITY, STATE, ZIP: Bronx, NY10451

Source: USGS

JOB NO. BX 2323-5-13-TO
SURVEYED ON: AUGUST 12, 2019
PAGE 1of 2

FLOOD NOTE

BY GRAPHIC PLOTTING ONLY, SUBJECT PROPERTY IS LOCATED IN
ZONE X (EL. 11 - NGVD 1929, EL. 9.92 - NAVD 1988, EL. 8.39 - BRONX DATUM)
AND ZONE SHADED X (AREA OF NO FLOODING)
AS SHOWN ON THE FLOOD INSURANCE RATE MAP FOR COMMUNITY PANEL NUMBER
360 497 0091 F WHICH BEARS AN EFFECTIVE DATE OF SEPTEMBER 5, 2007.
ZONE AE (EL.11 - NAVD 1988, EL. 12.1 - NGVD 1929, EL. 9.49 - BRONX DATUM)
AS SHOWN ON THE PRELIMINARY FEMA MAP PANEL NUMBER
360 497 0091 G REVISED ON JANUARY 30, 2015.



SYMBOLS AND ABBREVIATIONS

FENCE	CH.LI.FE. / WOOD FE.
UTILITY POLE	U.P.
PARKING METER	P.M.
OIL FILL	O.F.
MONITORING WELL	M.W.
TRAFFIC LIGHT	T.L.
LIGHT	
STREET LIGHT	L.P.
FIRE HYDRANT	HYD.
SIAMESE CONNECTION	SPR.
SHUT OFF VALVE	G.V. / G.V. / W.V. / M.V.
HANDICAPPED PARKING	
EXISTING TREE	ø12"
DRAINS	DR. / DR.
ROOF OVER	R.O.
EXISTING ELEVATIONS	×45.15 TOP OF CURB / ×42.94 BOTTOM OF CURB / ×43.78
CITY ESTABLISHED GRADES	L.G.7.52
CURB AND CURB CUT	CURB CUT
OVERHEAD SERVICE	OH.S.W.
CABLE TV MANHOLE	CTV
MANHOLES	M / E / T / W / S — RIM EL. INV.EL.
CATCH BASIN	C.B.
FIRE ESCAPE	F.E.
PLATFORM	PL or PLTF.
BASEMENT ENTRANCE	B.E.
CELLAR ENTRANCE	C.E.
AIR WAY	A.W.
BAY WINDOW	B.W.
CONCRETE	CONC.
OVERHANG	O.H.
AIR CONDITION	AC
METAL	MET.
NORTH OF PROPERTY LINE	N
SOUTH OF PROPERTY LINE	S
EAST OF PROPERTY LINE	E
WEST OF PROPERTY LINE	W

GENERAL NOTES

SUBSURFACE UTILITIES ARE NOT GUARANTEED BY SURVEYOR. HIGH CAUTION RECOMMENDED AND VERIFICATION WITH PROPER CITY AGENCIES, IS MANDATORY BEFORE COMMENCING ALL NEW WORK.

ALL SUBSURFACE AND OVERHEAD UTILITIES (AS TO SIZE , TYPE AND DEPTH) SHOWN ON THIS SURVEY ARE TAKEN FROM RECORDS OF GOVERNMENTAL AGENCIES AND UTILITY COMPANIES, UNLESS OTHERWISE NOTED AND SHOWN.

COVER OR DEPTH OF UTILITIES WHICH DERIVED FROM FIELD MEASUREMENTS SHOWN ON THIS SURVEY SHOULD BE VERIFIED WITH PROPER AGENCY PRIOR TO CONSTRUCTION OF PROJECT. INVERT ELEVATIONS ARE DERIVED FROM CITY AGENCY RECORDS WHEN NOT AVAILABLE BY FIELD SURVEY AND NOTED AS 'PER RECORD' ON THE SURVEY.

ALL SUBSURFACE UTILITY AS TO LOCATION AND DEPTH, SHOULD BE RECHECKED AND LEGAL GRADES SHOULD BE VERIFIED WITH THE TOPOGRAPHICAL BUREAU PREFERABLY IN WRITING BEFORE COMMENCING CONSTRUCTION.

THIS IS TO CERTIFY THAT THERE ARE NO STREAMS OR NATURAL WATER COURSES ON THE SURVEYED PROPERTY EXCEPT AS SHOWN AND/OR DESCRIBED ON THIS SURVEY.

ALL OPERATIONS OF UNDERGROUND FACILITIES AND ALL EXCAVATORS ARE OBLIGATED TO COMPLY WITH ARTICLE 36 OF THE GENERAL BUSINESS LAW AND WITH PROVISIONS OF INDUSTRIAL CODE PART (RULE NO.35) BEFORE ANY EXCAVATION OR DEMOLITION IS COMMENCED. EVERY EXCAVATOR IS REQUIRED BY THESE LAWS TO GIVE ADVANCE NOTICE TO EVERY OPERATOR OF UNDERGROUND FACILITIES OF HIS INTENT TO PERFORM EXCAVATION OR DEMOLITION WORK IN THE SPECIFIED AREA

ALL ELEVATIONS SHOWN REFER TO THE NAVD 1988 DATUM. TO OBTAIN:
- NGVD 1929 DATUM - ADD 1.098 FEET
- BRONX BOROUGH DATUM - SUBTRACT 1.508 FEET
- TRANSPORT AUTHORITY DATUM - ADD 98.448 FEET

EASEMENTS IF ANY ARE NOT SHOWN ON THIS SURVEY. NO INFORMATION PROVIDED TO SURVEYOR AT THIS TIME.

UNDERGROUND UTILITIES NOTES

UNDERGROUND, OVERHEAD AND GROUND LEVEL UTILITIES ARE NOT GUARANTEED AS TO ACCURACY, EXACT LOCATION, TYPE OR USE, ACTIVE OR INACTIVE. VERIFICATION IS MANDATORY WITH MUNICIPAL AGENCIES, PUBLIC AND PRIVATE UTILITY COMPANIES PRIOR TO TAKING TITLE AND OR DESIGN WORK. BOUNDARIES ARE NOT GUARANTEED UNLESS SO NOTED.

ALL OPERATIONS OF UNDERGROUND FACILITIES AND ALL EXCAVATORS ARE OBLIGATED TO COMPLY WITH ARTICLE 36 OF THE GENERAL BUSINESS LAW AND WITH PROVISIONS OF INDUSTRIAL CODE PART (RULE NO. 35) BEFORE ANY EXCAVATION OR DEMOLITION IS COMMENCED. EVERY EXCAVATOR IS REQUIRED BY THESE LAWS TO GIVE ADVANCE NOTICE TO EVERY OPERATOR OF UNDERGROUND FACILITIES OF HIS INTENT TO PERFORM EXCAVATION OR DEMOLITION WORK IN THE SPECIFIED AREA

GUARANTEED TO:	
COUNTY: BRONX	CITY: BRONX
SECTION:	BLOCK: 2323 LOT(S): 5, 13,
PROPERTY ADDRESS:	188 EAST 135th STREET

LOT 5 AREA = 21676.12 sq.ft. = 0.4976 acre
LOT 13 AREA = 25464.24 sq.ft. = 0.5846 acre
TOTAL AREA = 47140.36 sq.ft. = 1.0822 acre

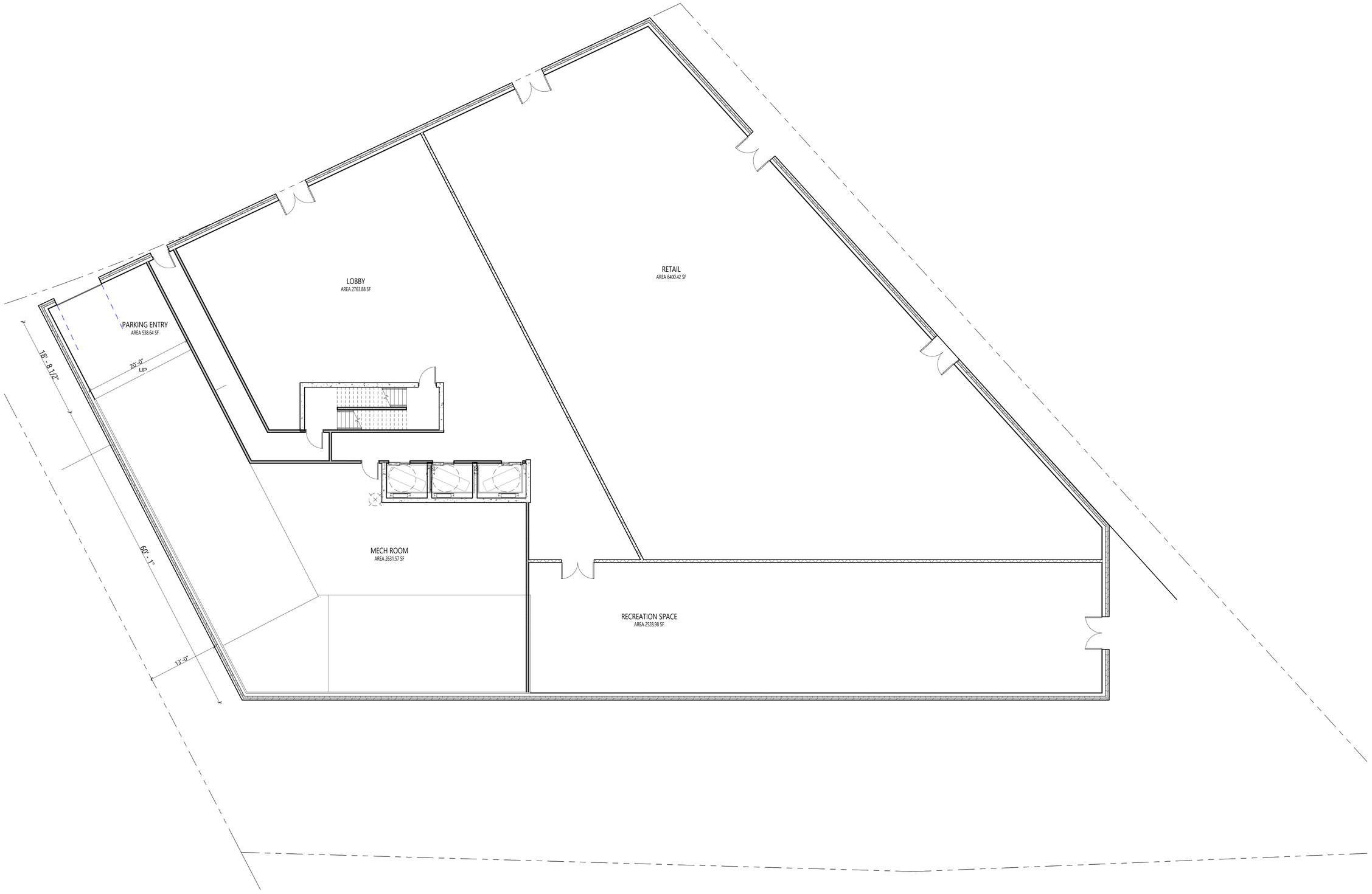
GRAPHIC SCALE
ALL WRITTEN MEASUREMENTS AND OFFSETS NOTED ON THIS SURVEY SUPERSEDE MEASUREMENTS SCALED OF THIS PLOT.
SCALE 1:20
0 5 10 15 20 25 30 35 40 45 50 100

ARCHITECTURAL SURVEY

PREPARED BY
PERFECT POINT
LAND SURVEYING RT
brooklyn - queens - manhattan - bronx
staten island - nassau
phone: (718) 474-7700
fax: (718) 872-9699
info@ppsurveying.com
www.ppsurveying.com

DATE: AUGUST 12, 2019

RICHARD TOM
N.Y.S. L.L.S. 049844



1 01_1ST FL.
1/8" = 1'-0"

KAO-HWA LEE
ARCHITECTS P.C.

227 CATHERINE STREET
SOUTH AMBOY, NJ 08879
(609) 216 2975

DESIGN & MUNICIPAL CONSULTANT:
THE J ASSOCIATES NYC
670 MYRTLE AVENUE #257
BROOKLYN, NY 11205
T. 718.489.8242
info@thejassociates.com

NO:	ISSUE	DATE
REVISIONS:		

KEY PLAN

LOCATION
188 EAST 135TH STREET
BRONX NY

SHEET TITLE
PROPOSED FIRST FLOOR PLAN

DOB SCAN STICKER:

A-004

04 OF 06

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DOB JOB NUMBER: 1234567890

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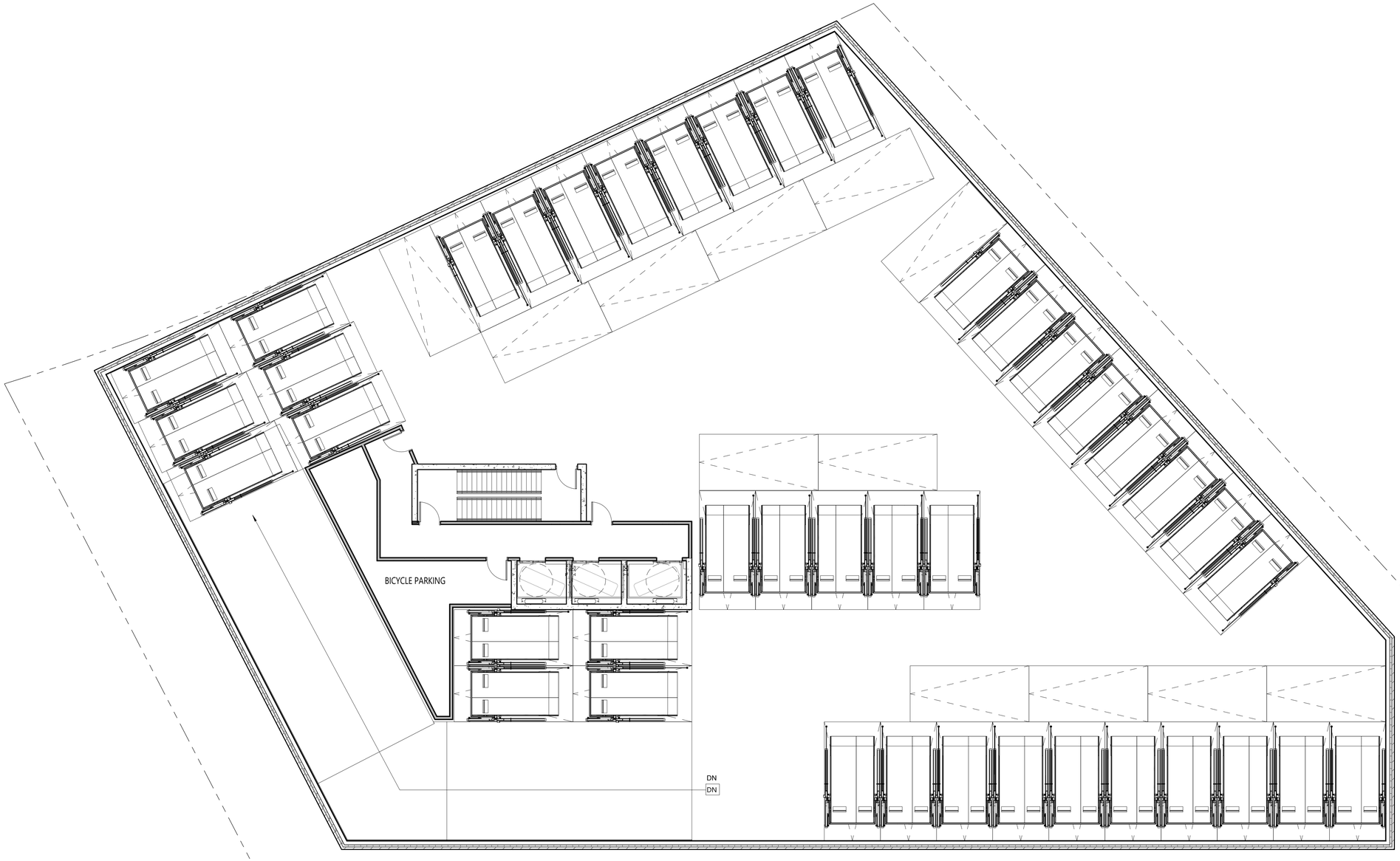

1 02_2ND FL.
1/8" = 1'-0"

KAO-HWA LEE
ARCHITECTS P.C.

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NO:	ISSUE	DATE

REVISIONS:

KEY PLAN

LOCATION
188 EAST 135TH STREET
BRONX NY

SHEET TITLE
PROPOSED SECOND FLOOR PLAN

DOB SCAN STICKER:

A-005

05 OF 06

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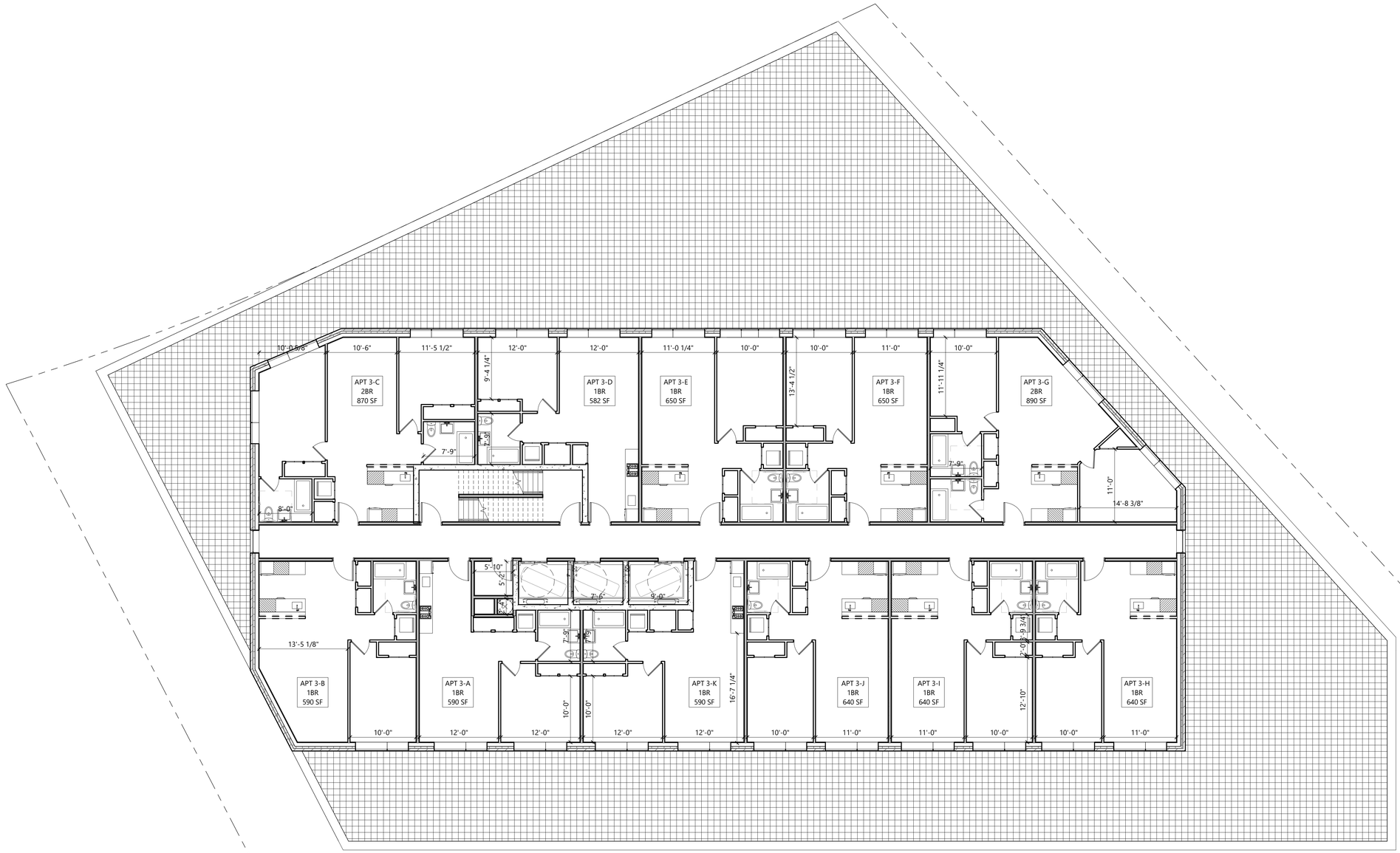

1 03_3RD FL1
1/8" = 1'-0"

KAO-HWA LEE
ARCHITECTS P.C.

227 CATHERINE STREET
SOUTH AMBOY, NJ 08879
(609) 216 2975

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T. 718.489.8242
info@thejassociates.com

NO:	ISSUE	DATE
REVISIONS:		

KEY PLAN

LOCATION
188 EAST 135TH STREET
BRONX NY

SHEET TITLE
PROPOSED THIRD FLOOR PLAN

DOB SCAN STICKER:

A-006

06 OF 06

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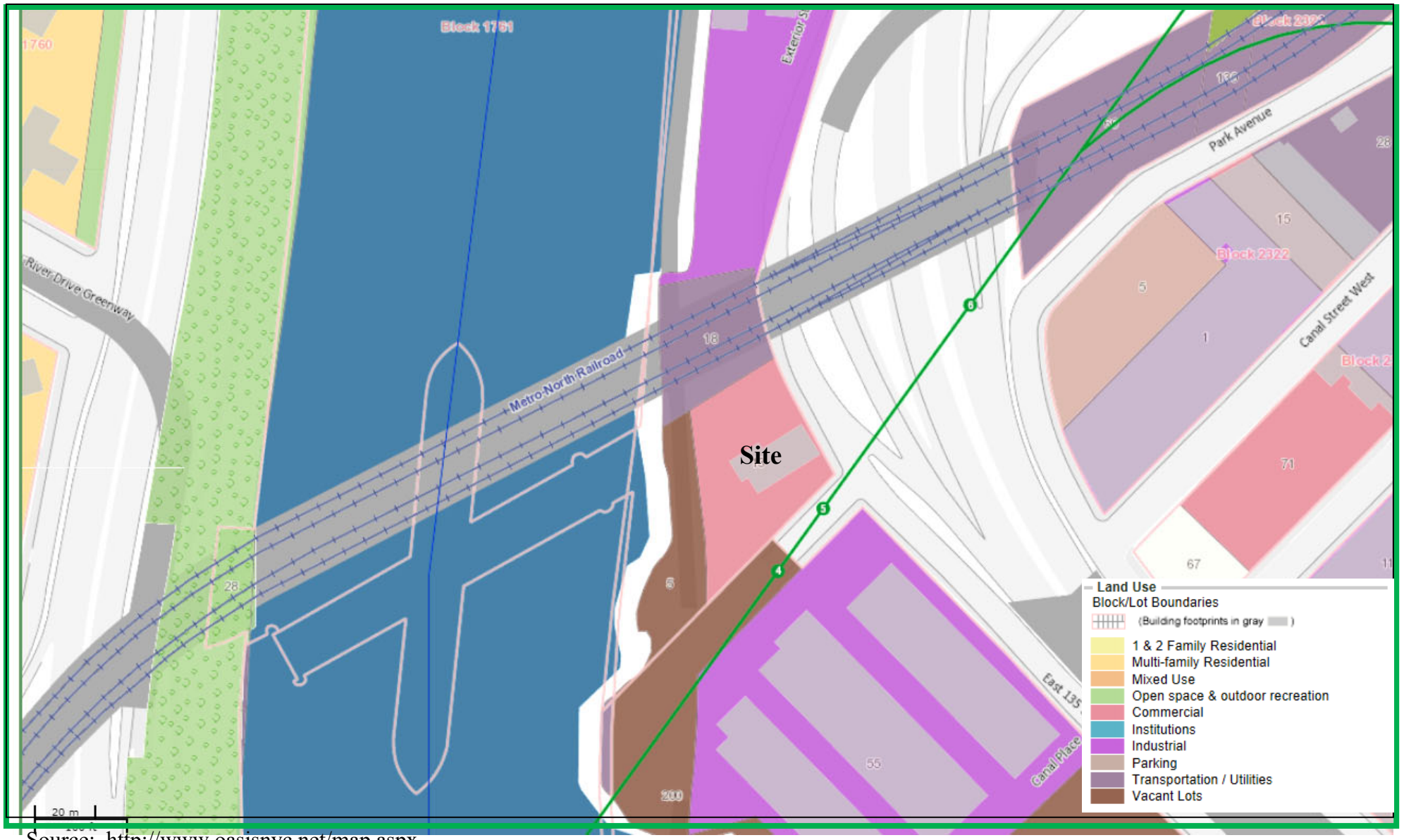

Source: http://www.oasisnyc.net/map.aspx

FIGURE 4

SURROUNDING LAND USE MAP

188 East 135th STREET, BRONX, NY 10454

REMEDIAL INVESTIGATION REPORT

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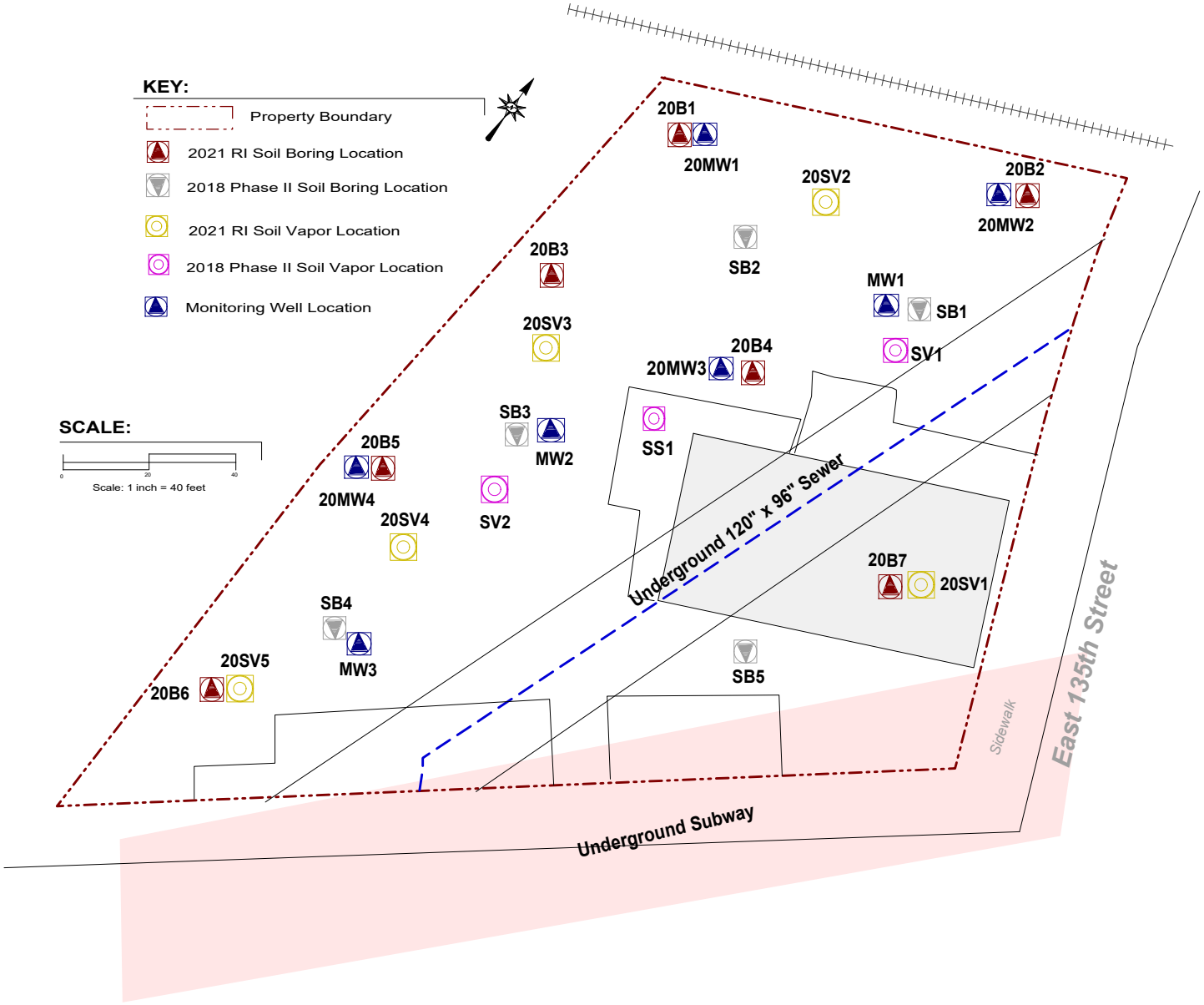

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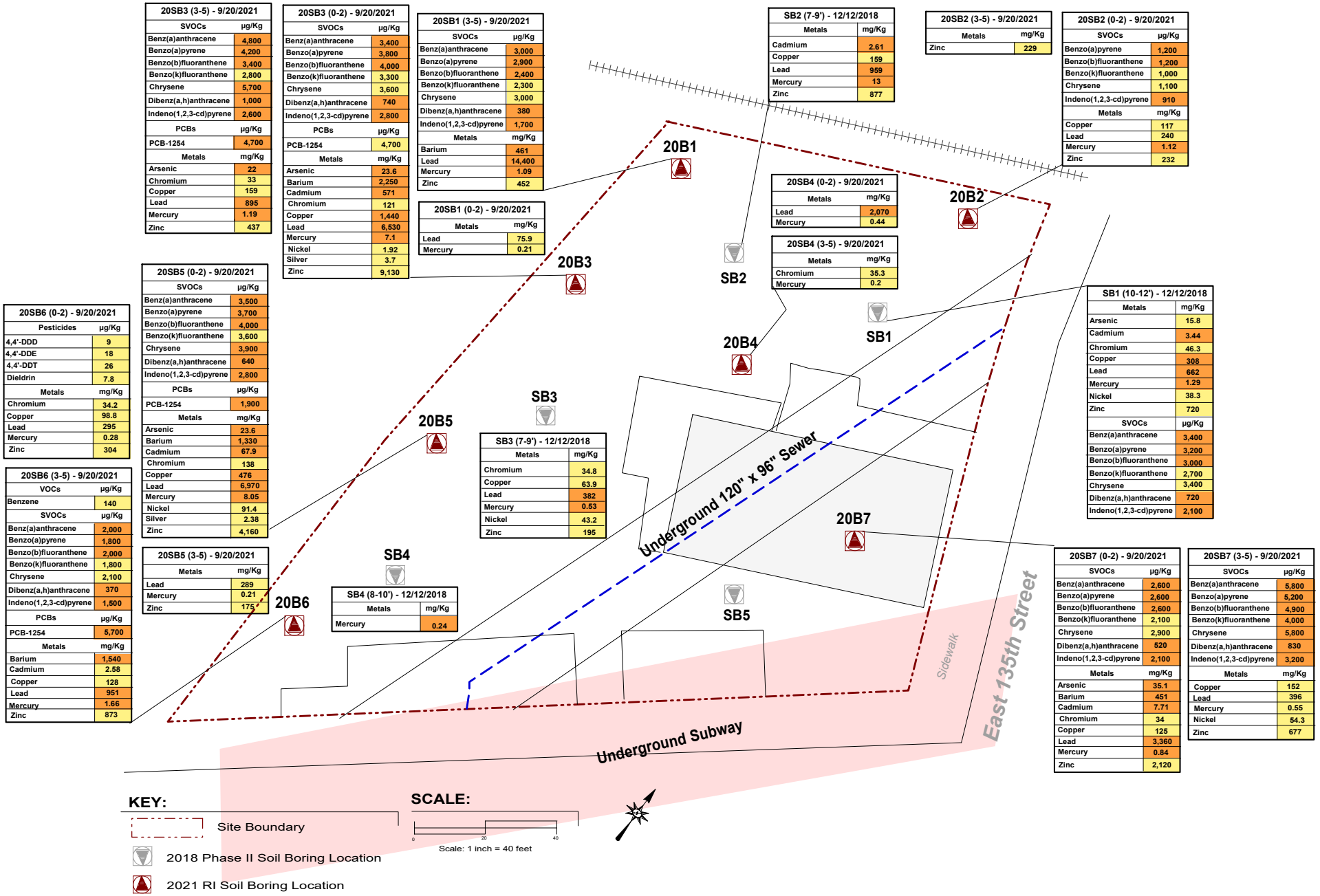
Figure No. 5

Site Name: REDEVELOPMENT PROJECT
Site Address: 188 EAST 135TH STREET, BRONX, NY
Drawing Title: SITE SAMPLING LOCATIONS



20SB3 (3-5) - 9/20/2021	
SVOCs	µg/Kg
Benz(a)anthracene	4,800
Benzo(a)pyrene	4,200
Benzo(b)fluoranthene	3,400
Benzo(k)fluoranthene	2,800
Chrysene	5,700
Dibenz(a,h)anthracene	1,000
Indeno(1,2,3-cd)pyrene	2,600
PCBs	µg/Kg
PCB-1254	4,700
Metals	mg/Kg
Arsenic	22
Chromium	33
Copper	159
Lead	895
Mercury	1.19
Zinc	437

20SB3 (0-2) - 9/20/2021	
SVOCs	µg/Kg
Benz(a)anthracene	3,400
Benzo(a)pyrene	3,800
Benzo(b)fluoranthene	4,000
Benzo(k)fluoranthene	3,300
Chrysene	3,600
Dibenz(a,h)anthracene	740
Indeno(1,2,3-cd)pyrene	2,800
PCBs	µg/Kg
PCB-1254	4,700
Metals	mg/Kg
Arsenic	23.6
Barium	2,250
Cadmium	571
Chromium	121
Copper	1,440
Lead	6,530
Mercury	7.1
Nickel	1.92
Silver	3.7
Zinc	9,130

20SB1 (3-5) - 9/20/2021	
SVOCs	µg/Kg
Benz(a)anthracene	3,000
Benzo(a)pyrene	2,900
Benzo(b)fluoranthene	2,400
Benzo(k)fluoranthene	2,300
Chrysene	3,000
Dibenz(a,h)anthracene	380
Indeno(1,2,3-cd)pyrene	1,700
Metals	mg/Kg
Barium	461
Lead	14,400
Mercury	1.09
Zinc	452

20SB1 (0-2) - 9/20/2021	
Metals	mg/Kg
Lead	75.9
Mercury	0.21

SB2 (7-9') - 12/12/2018	
Metals	mg/Kg
Cadmium	2.61
Copper	159
Lead	959
Mercury	13
Zinc	877

20SB2 (3-5) - 9/20/2021	
Metals	mg/Kg
Zinc	229

20SB2 (0-2) - 9/20/2021	
SVOCs	µg/Kg
Benzo(a)pyrene	1,200
Benzo(b)fluoranthene	1,200
Benzo(k)fluoranthene	1,000
Chrysene	1,100
Indeno(1,2,3-cd)pyrene	910
Metals	mg/Kg
Copper	117
Lead	240
Mercury	1.12
Zinc	232

20SB4 (0-2) - 9/20/2021	
Metals	mg/Kg
Lead	2,070
Mercury	0.44

20SB4 (3-5) - 9/20/2021	
Metals	mg/Kg
Chromium	35.3
Mercury	0.2

SB1 (10-12') - 12/12/2018	
Metals	mg/Kg
Arsenic	15.8
Cadmium	3.44
Chromium	46.3
Copper	308
Lead	662
Mercury	1.29
Nickel	38.3
Zinc	720
SVOCs	µg/Kg
Benz(a)anthracene	3,400
Benzo(a)pyrene	3,200
Benzo(b)fluoranthene	3,000
Benzo(k)fluoranthene	2,700
Chrysene	3,400
Dibenz(a,h)anthracene	720
Indeno(1,2,3-cd)pyrene	2,100

20SB5 (0-2) - 9/20/2021	
SVOCs	µg/Kg
Benz(a)anthracene	3,500
Benzo(a)pyrene	3,700
Benzo(b)fluoranthene	4,000
Benzo(k)fluoranthene	3,600
Chrysene	3,900
Dibenz(a,h)anthracene	640
Indeno(1,2,3-cd)pyrene	2,800
PCBs	µg/Kg
PCB-1254	1,900
Metals	mg/Kg
Arsenic	23.6
Barium	1,330
Cadmium	67.9
Chromium	138
Copper	476
Lead	6,970
Mercury	8.05
Nickel	91.4
Silver	2.38
Zinc	4,160

20SB5 (3-5) - 9/20/2021	
Metals	mg/Kg
Lead	289
Mercury	0.21
Zinc	175

SB3 (7-9') - 12/12/2018	
Metals	mg/Kg
Chromium	34.8
Copper	63.9
Lead	382
Mercury	0.53
Nickel	43.2
Zinc	195

SB4 (8-10') - 12/12/2018	
Metals	mg/Kg
Mercury	0.24

20SB6 (0-2) - 9/20/2021	
Pesticides	µg/Kg
4,4'-DDD	9
4,4'-DDE	18
4,4'-DDT	26
Dieldrin	7.8
Metals	mg/Kg
Chromium	34.2
Copper	98.8
Lead	295
Mercury	0.28
Zinc	304

20SB6 (3-5) - 9/20/2021	
VOCs	µg/Kg
Benzene	140
SVOCs	µg/Kg
Benz(a)anthracene	2,000
Benzo(a)pyrene	1,800
Benzo(b)fluoranthene	2,000
Benzo(k)fluoranthene	1,800
Chrysene	2,100
Dibenz(a,h)anthracene	370
Indeno(1,2,3-cd)pyrene	1,500
PCBs	µg/Kg
PCB-1254	5,700
Metals	mg/Kg
Barium	1,540
Cadmium	2.58
Copper	128
Lead	951
Mercury	1.66
Zinc	873

20SB7 (0-2) - 9/20/2021	
SVOCs	µg/Kg
Benz(a)anthracene	2,600
Benzo(a)pyrene	2,600
Benzo(b)fluoranthene	2,600
Benzo(k)fluoranthene	2,100
Chrysene	2,900
Dibenz(a,h)anthracene	520
Indeno(1,2,3-cd)pyrene	2,100
Metals	mg/Kg
Arsenic	35.1
Barium	451
Cadmium	7.71
Chromium	34
Copper	125
Lead	3,360
Mercury	0.84
Zinc	2,120

20SB7 (3-5) - 9/20/2021	
SVOCs	µg/Kg
Benz(a)anthracene	5,800
Benzo(a)pyrene	5,200
Benzo(b)fluoranthene	4,900
Benzo(k)fluoranthene	4,000
Chrysene	5,800
Dibenz(a,h)anthracene	830
Indeno(1,2,3-cd)pyrene	3,200
Metals	mg/Kg
Copper	152
Lead	396
Mercury	0.55
Nickel	54.3
Zinc	677

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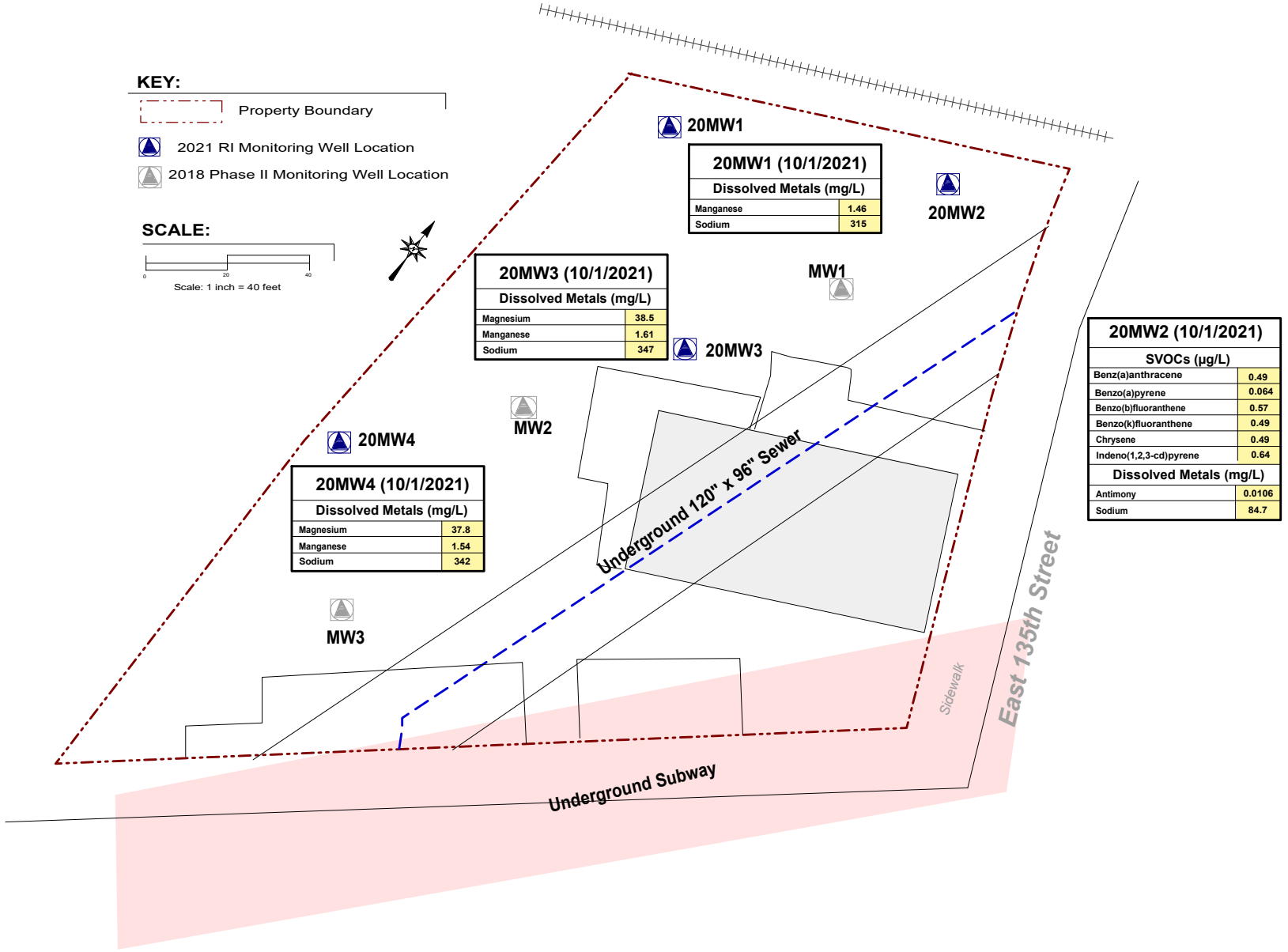
Figure No. 6

Site Name: REDEVELOPMENT PROJECT

Site Address: 188 EAST 135TH STREET, BRONX, NY

Drawing Title: SOIL EXCEEDANCE MAP



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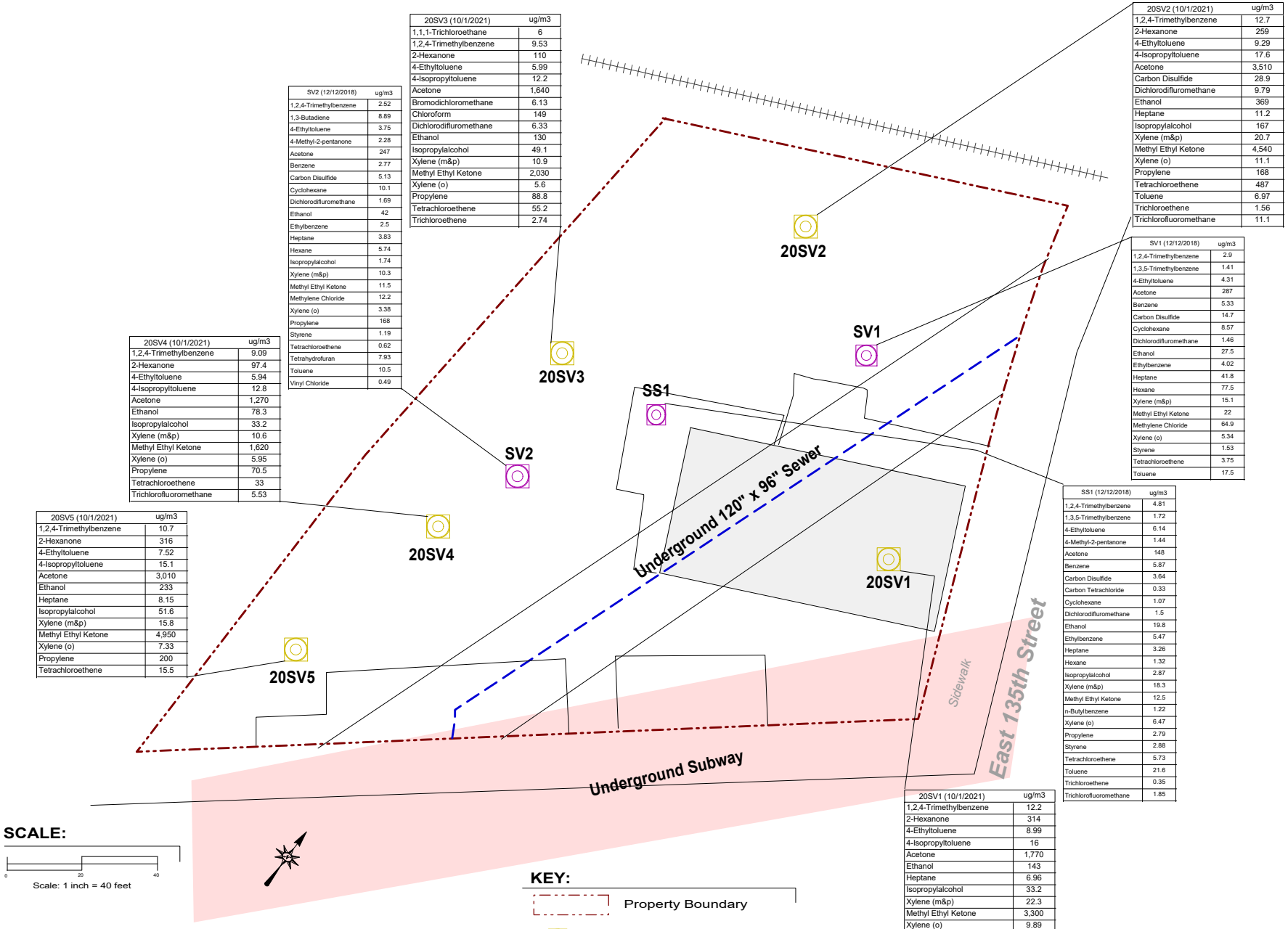
PHONE: 631.338.1749

Figure No. 7

Site Name: REDEVELOPMENT PROJECT
Site Address: 188 EAST 135TH STREET, BRONX, NY
Drawing Title: GROUNDWATER EXCEEDANCES MAP



20SV3 (10/1/2021)	ug/m3
1,1,1-Trichloroethane	6
1,2,4-Trimethylbenzene	9.53
2-Hexanone	110
4-Ethyltoluene	5.99
4-Isopropyltoluene	12.2
Acetone	1,640
Bromodichloromethane	6.13
Chloroform	149
Dichlorodifluromethane	6.33
Ethanol	130
Isopropylalcohol	49.1
Xylene (m&p)	10.9
Methyl Ethyl Ketone	2,030
Xylene (o)	5.6
Propylene	88.8
Tetrachloroethene	55.2
Trichloroethene	2.74

SV2 (12/12/2018)	ug/m3
1,2,4-Trimethylbenzene	2.52
1,3-Butadiene	8.89
4-Ethyltoluene	3.75
4-Methyl-2-pentanone	2.28
Acetone	247
Benzene	2.77
Carbon Disulfide	5.13
Cyclohexane	10.1
Dichlorodifluromethane	1.69
Ethanol	42
Ethylbenzene	2.5
Heptane	3.83
Hexane	5.74
Isopropylalcohol	1.74
Xylene (m&p)	10.3
Methyl Ethyl Ketone	11.5
Methylene Chloride	12.2
Xylene (o)	3.38
Propylene	168
Styrene	1.19
Tetrachloroethene	0.62
Tetrahydrofuran	7.93
Toluene	10.5
Vinyl Chloride	0.49

20SV4 (10/1/2021)	ug/m3
1,2,4-Trimethylbenzene	9.09
2-Hexanone	97.4
4-Ethyltoluene	5.94
4-Isopropyltoluene	12.8
Acetone	1,270
Ethanol	78.3
Isopropylalcohol	33.2
Xylene (m&p)	10.6
Methyl Ethyl Ketone	1,620
Xylene (o)	5.95
Propylene	70.5
Tetrachloroethene	33
Trichlorofluoromethane	5.53

20SV5 (10/1/2021)	ug/m3
1,2,4-Trimethylbenzene	10.7
2-Hexanone	316
4-Ethyltoluene	7.52
4-Isopropyltoluene	15.1
Acetone	3,010
Ethanol	233
Heptane	8.15
Isopropylalcohol	51.6
Xylene (m&p)	15.8
Methyl Ethyl Ketone	4,950
Xylene (o)	7.33
Propylene	200
Tetrachloroethene	15.5

20SV2 (10/1/2021)	ug/m3
1,2,4-Trimethylbenzene	12.7
2-Hexanone	259
4-Ethyltoluene	9.29
4-Isopropyltoluene	17.6
Acetone	3,510
Carbon Disulfide	28.9
Dichlorodifluromethane	9.79
Ethanol	369
Heptane	11.2
Isopropylalcohol	167
Xylene (m&p)	20.7
Methyl Ethyl Ketone	4,540
Xylene (o)	11.1
Propylene	168
Tetrachloroethene	487
Toluene	6.97
Trichloroethene	1.56
Trichlorofluoromethane	11.1

SV1 (12/12/2018)	ug/m3
1,2,4-Trimethylbenzene	2.9
1,3,5-Trimethylbenzene	1.41
4-Ethyltoluene	4.31
Acetone	287
Benzene	5.33
Carbon Disulfide	14.7
Cyclohexane	8.57
Dichlorodifluromethane	1.46
Ethanol	27.5
Ethylbenzene	4.02
Heptane	41.8
Hexane	77.5
Xylene (m&p)	15.1
Methyl Ethyl Ketone	22
Methylene Chloride	64.9
Xylene (o)	5.34
Styrene	1.53
Tetrachloroethene	3.75
Toluene	17.5

SS1 (12/12/2018)	ug/m3
1,2,4-Trimethylbenzene	4.81
1,3,5-Trimethylbenzene	1.72
4-Ethyltoluene	6.14
4-Methyl-2-pentanone	1.44
Acetone	148
Benzene	5.87
Carbon Disulfide	3.64
Carbon Tetrachloride	0.33
Cyclohexane	1.07
Dichlorodifluromethane	1.5
Ethanol	19.8
Ethylbenzene	5.47
Heptane	3.26
Hexane	1.32
Isopropylalcohol	2.87
Xylene (m&p)	18.3
Methyl Ethyl Ketone	12.5
n-Butylbenzene	1.22
Xylene (o)	6.47
Propylene	2.79
Styrene	2.88
Tetrachloroethene	5.73
Toluene	21.6
Trichloroethene	0.35
Trichlorofluoromethane	1.85

20SV1 (10/1/2021)	ug/m3
1,2,4-Trimethylbenzene	12.2
2-Hexanone	314
4-Ethyltoluene	8.99
4-Isopropyltoluene	16
Acetone	1,770
Ethanol	143
Heptane	6.96
Isopropylalcohol	33.2
Xylene (m&p)	22.3
Methyl Ethyl Ketone	3,300
Xylene (o)	9.89
Propylene	133
Tetrachloroethene	2.75
Toluene	9.34

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Figure No. 8

Site Name: REDEVELOPMENT PROJECT

Site Address: 188 EAST 135TH STREET, BRONX, NY

Drawing Title: SOIL VAPOR RESULTS

APPENDIX A

Prior Reports

VIA ELECTRONIC MAIL

January 14, 2019

Mordechai Hirsch
160 Heyward Street
Brooklyn, NY 11206

Re: Limited Phase II Investigation
188 East 135th Street, Bronx - Tax Map No. 2-2323-13

Dear Mr. Hirsch:

Environmental Business Consultants (EBC) is pleased to provide this letter report documenting the results of the Limited Phase II Environmental Site Assessment (ESA) performed at the above-referenced property on December 12, 2018, in accordance with EBC's proposal, dated December 5, 2018.

Background

The Site consists of a single, irregular-shaped 0.57-acre parcel located on the northwestern corner of intersection between East 135th Street, which runs north to south along the eastern site perimeter, and Park Avenue, in the Mott Haven section of the Borough of the Bronx, New York City, Bronx County, New York (Figure 1). The property is currently developed with 1-story commercial building. The building occupies the east-central portion of the parcel, fronts to the north, and has a reported area of 6,500 SF. Asphalt-paved parking lots and unpaved yard areas comprise the remainder of the site. Sidewalks are located to the south and east, along Park Avenue and East 135th Street, respectively. The building is currently vacant, but was formerly occupied by the Padded Wagon (a moving company) and several other commercial tenants.

A prior Phase I Screening Report, prepared by EBC, dated in January 2018, identified several recognized environmental conditions (RECs) and other environmental concerns related to the historic use of the property, including a railroad yard, a coal yard, a contractor's storage/supply yard, its potential use as a dry cleaner, and the historic industrial use of the surrounding properties.

In addition, the property was assigned an E-designation (E-227) for Hazmat and Noise during the Lower Concourse Rezoning and Related Actions completed by the City in June 2009 (CEQR 08DCP071X). The E-designations will have to be addressed before the property can be redeveloped. The scope of this Limited Phase II Investigation represents a preliminary assessment of the property to evaluate subsurface conditions and determine if the site is eligible for inclusion in the New York State Brownfields Program, and does not fully satisfy the requirements of the E-Designation Program.

1808 Middle Country Road
Ridge, NY 11961
Phone 631.504.6000
Fax 631.924.2870

Soil Boring Investigation

To evaluate potential impacts related to the historic use of the site, EBC conducted a soil boring investigation consisting of five soil borings (SB1 through SB5) at representative locations across the site to determine if additional investigation and/or remediation is warranted. Soil boring locations are shown on Figure 2.

At each boring location soil samples were collected continuously from grade to the water table (approximately 10 to 12 feet) using a Geoprobe™. The Geoprobe™ uses direct push technology to drive core samplers to the desired depth for soil sample collection. This method can be performed quickly, so if refusal occurs, a new location can be accessed with minimal effort. Soil samples were characterized by an EBC environmental scientist and inspected for visual and olfactory evidence of contamination (i.e. staining and/or odors). Non-disposable sampling equipment was cleaned using a potable water and Alconox detergent wash followed by a potable water rinse prior to the collection of each sample. Upon collection, the samples were placed in pre-cleaned laboratory supplied glassware and stored in a cooler packed with ice for transport to the laboratory.

Soils at the site consisted generally of brown to black silty sand, with fill material (concrete, brick and asphalt) extending to a depth of 10 feet below grade. At borings SB3 and SB5, some clay and silty clay were present at depths below 8 to 10 feet. Additionally, the fill materials were very loose in some areas and sample recovery was poor. No evidence of petroleum impacts (i.e., staining or odors) was observed and no elevated PID readings were noted. Soil boring logs are included as Attachment A.

As part of the field activities, five soil samples (one per boring), either the sample exhibiting the highest degree if impact (visual or olfactory indicators) or the deepest interval above the water table, were submitted to Phoenix Environmental Laboratories, Inc., of Manchester, CT, a New York State-certified laboratory (No. 11301) for analysis. The samples submitted were from the following depths SB1 (10-12'), SB2 and SB3 (7-9') and SB4 and SB5 (8-10'). Soil samples were analyzed volatile organic compounds (VOCs) using United States Environmental Protection Agency (USEPA) Method 8260. Semi-volatile organic compounds (SVOCs) using USEPA Method 8270, and Target Analyte List (TAL) metals using USEPA Methods 6010 and 7471. These methods are specified by the New York State Department of Environmental Conservation (NYSDEC) in the evaluation of petroleum (gasoline, diesel and heating oil) spill, typical industrial solvents, and also consistent with NYCOER's E-Designation requirements.

Soil Analytical Results

Soil analytical results were compared to the NYSDEC's Division of Environmental Remediation 6 NYCRR Part 375 Soil Cleanup Objective tables (Table 375-6.8[a]: Unrestricted Use Soil Cleanup Objectives [UUSCOs]), CP-51 Soil Cleanup Guidance (Tables 2 and 3), and the Restricted Residential Use Soil Cleanup Objectives (RRUSCOs) (Part 375 Table 375-6.8[b]) to determine if additional investigation and/or remediation is warranted.

The analytical results revealed that the VOC acetone was detected in each of the five samples, at concentrations between 9.8 and 36 micrograms per kilogram (ug/kg), which are below its UUSCO of 50 ug/kg. It should be noted that acetone is a common laboratory contaminant, and its presence in these samples may be attributable to laboratory cross-contamination. Naphthalene was also detected in sample SB3, at a concentration of 71 ug/kg. There is no UUSCO for this compound. No other VOCs were detected in any of the samples at concentrations exceeding their respective laboratory method detection limits (MDLs).

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The SVOCs benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoroanthene, benzo(k)fluoroanthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene, were detected in soil sample SB1 (10-12') at concentrations exceeding their respective UUSCOs. In addition, the concentrations of these compounds, except for benzo(k)fluoroanthene and chrysene, also exceeded their respective RRUSCOs. Twelve additional SVOCs were also detected in sample SB1 (10-12'), but at concentrations below their UUSCOs. One or more SVOCs were also detected in the samples from borings SB2, SB3 and SB4, but at concentrations below their UUSCOs. No SVOCs were detected in the soil sample from boring SB5 at concentrations above their respective laboratory MDLs.

The metals arsenic, cadmium, chromium, copper, lead, mercury, nickel and zinc, were detected in one of more of the samples SB1 through SB4 at concentrations exceeding their respective UUSCOs. The concentration of cadmium (SB1 and SB2), copper (SB1), lead (SB1, SB2, and SB3), and mercury (SB1 through SB4) also exceeded their respective RRUSCOs. Several additional metals were also detected in samples SB1 through SB4 and in sample SB5, but at concentrations below their respective UUSCOs.

Laboratory analytical results for the soil samples are summarized on Tables 1 through 3, and the laboratory reports are provided as Attachment B.

Groundwater Sampling

As groundwater was encountered at approximately 10 to 12 feet below grade, three of the five borings (SB1, SB3 and SB4) were extended to a depth three feet below the water table to facilitate the collection of groundwater samples (GW1 through GW3). Groundwater samples were collected using the Geoprobe™ equipped with a four-foot long mill slot sampler or equivalent. The sampler was first be driven to the desired depth (approximately three feet below the water table). This allows the sampler screen to intersect the water table and allow floating product or petroleum sheens (if present) to be documented. A piece of disposable polyethylene tubing with a stainless steel check valve was then inserted through the probe rods into the water bearing zone and the tubing hand oscillated to obtain the sample. The groundwater samples were collected directly from the tubing into pre-cleaned laboratory supplied glassware and stored in a cooler packed with ice for transport to the laboratory. Non-disposable sampling equipment was cleaned using a distilled water and Alconox detergent wash followed by a potable water rinse prior to the collection of each sample. The groundwater samples were analyzed for VOCs by EPA Method 8260. Groundwater sample locations are shown on Figure 2.

Groundwater Analytical Results

Groundwater analytical results were compared to New York State 6NYCRR Part 703.5 Class GA groundwater quality standards (GQS).

The analytical results revealed that 10 VOCs, primarily petroleum-related compounds detected in sample GW1, which was collected from boring SB1, but at concentrations below their respective groundwater standards. Two VOCs were also detected in sample GW3, collected from boring SB4, but at concentrations below their respective groundwater standards. No VOCs were detected in sample GW2 at concentrations exceeding their respective laboratory method detection limits (MDLs).

Laboratory analytical results for the groundwater samples are summarized on Table 4, and the laboratory reports are provided as Attachment B.

Soil Vapor Sampling

To evaluate potential migration of VOCs associated with historic industrial use of the site and their potential impact to soil vapor beneath the building at the site. EBC conducted a soil vapor survey, which consisted of the collection and analysis of two sub-surface soil vapor samples (SV1 and SV2) at

representative locations and one sub-slab soil vapor sample (SS1) from beneath the central portion of the site building. At both of the subsurface soil vapor sample locations, temporary vapor points consisting of six-inch long stainless steel screen point samplers and polyethylene tubing, were installed to a depth of approximately 6 feet below grade (midpoint between the ground surface and the water table) using Geoprobe™ equipment. The sub-slab vapor point also consisted of a six-inch long stainless steel screen point sampler and polyethylene tubing, installed to a depth of approximately one foot below the floor slab using a Bosch rotary hammer drill to penetrate the floor and drill to the desired depth.

At each location, the annular space between the polyethylene tubing and the boreholes was then backfilled to grade with sand, with a bentonite clay seal emplaced above the sand at the ground surface to prevent ambient air from being drawn into the borehole and mixing with the soil vapor to be sampled. The above-grade end of the tubing was then attached to a hand pump and ambient air within the tubing was purged to ensure the collection of a representative sample. The tubing was then attached directly to a 6-liter laboratory-supplied SUMMA vacuum canister, equipped with laboratory calibrated flow controllers. The air (soil vapor) samples were collected for a period of approximately two hours at a rate of 0.05 liter per minute to obtain the required sample volume. After collection, the canisters were properly labeled and shipped under chain-of-custody to Phoenix Environmental Laboratories for analysis of VOCs using USEPA Method TO-15.

Soil Vapor Analytical Results

Soil vapor analytical results were compared to the compounds listed in Table 3.1 of the Air Guideline Values Derived by the NYSDOH located in the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion dated October 2006.

Each of the three soil vapor/sub-slab samples contained tetrachloroethene (PCE) at concentrations (0.62 µg/m3 to 5.73 µg/m3), within the mitigation range established within the State DOH soil vapor guidance matrix. The chlorinated VOCs trichloroethene (max. 0.35 ug/m^3), vinyl chloride (max. 0.49 ug/m3) and carbon tetrachloride (max. 0.33 ug/m^3) were also detected in one or more of the three soil vapor samples, but at concentrations below applicable criteria. The chlorinated VOCs 1,1-dichloroethene and cis-1,2-dichloroethene were not detected in the soil vapor/sub-slab samples. Low levels of petroleum-related VOCs were also present in each of the samples. The total concentration of petroleum-related VOCs (Total BTEX) ranged from 29.45 µg/m^3 in SV2 to 57.71 µg/m^3 in SS1. Individual BTEX compounds included benzene (5.87 ug/$m^{3)}$, ethylbenzene (5.47 ug/m3), toluene (max. 21.6 ug/m^3), m&p xylenes (max. 18.3 ug/m^3) and o-xylene (max. 6.47 ug/m^3). Soil vapor/sub-slab sample locations are shown on Figure 3.

Laboratory analytical results for the soil vapor samples are summarized on Table 5, and the laboratory reports are provided as Attachment B.

Conclusions and Recommendations

Soil samples were collected from five representative soil borings drilled across the site and analyzed for the presence of VOCs, SVOCs and metals. Analytical results indicate the presence of several SVOCs at concentrations exceeding applicable regulatory criteria in one sample (SB1 10-12') at the northeastern portion of the site. No evidence of petroleum staining or odors was observed in this boring. One or more heavy metals were detected in four of the five soil samples at concentrations exceed either their UUSCO and/or RRUSCO. The presence of these compounds (SVOCs and metals) is consistent with typical urban fill materials and not indicative of a petroleum release.

Several VOCs were detected in two of the three groundwater samples, but at concentrations below applicable regulatory criteria.

Soil vapor and sub-slab soil vapor samples contained low concentrations of chlorinated and petroleum-related compounds, none of which exceeded applicable regulatory criteria. As such, there is no evidence of a soil vapor intrusion condition at the site.

In general, the findings of the Phase II investigation are consistent with the presumed conditions outlined in our November 20, 2018 environmental review letter, which stated that the site was likely underlain by typical urban fill materials impacted by metals and other contaminants. In this case SVOCs in the northeastern portions. Because the property has been assigned an E-designation for hazardous materials by New York City, a more through subsurface will be required prior to any redevelopment of the site, and any soils removed for construction will have to be properly disposed of. In addition, to the soil/fill material disposal, NYCOER will likely require that any new building be constructed with a sub-slab vapor barrier, although, based upon the soil vapor sample results and the absence of VOCs in site soils and groundwater the installation of a sub-slab depressurization system is unlikely to be warranted.

Finally, as noted in our prior environmental review letter, the property is located within an Enzone, as well as designated Brownfield Opportunity Area. Based upon the levels of SVOCs and metals detected in onsite fill materials, you could opt into the State Brownfield program, which would provide tax credits for the clean-up and the new building.

We appreciate the opportunity to assist you with this project. Should you have any questions or comments, please do not hesitate to contact me.

Very truly yours,

Environmental Business Consultants

Keith W. Butler
Senior Project Manager

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TABLES

TABLE 1
188 East 135th Street
Bronx, 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 (10-12') 12/12/2018 µg/Kg		SB2 (7-9') 12/12/2018 µg/Kg		SB3 (7-9') 12/12/2018 µg/Kg		SB4 (8-10') 12/12/2018 µg/Kg		SB5 (8-10') 12/12/2018 µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachlorothane			< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
1,1,1-Trichloroethane	680	100,000	< 19	19	< 4.8	4.8	< 25	25	< 5.7	5.7	< 5.0	5.0
1,1,2,2-Tetrachloroethane			< 320	320	< 4.8	4.8	< 320	320	< 5.7	5.7	< 5.0	5.0
1,1,2-Trichloroethane			< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
1,1-Dichloroethane	270	26,000	< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
1,1-Dichloroethene	330	100,000	< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
1,1-Dichloropropene			< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
1,2,3-Trichlorobenzene			< 320	320	< 4.8	4.8	< 320	320	< 5.7	5.7	< 5.0	5.0
1,2,3-Trichloropropane			< 320	320	< 4.8	4.8	< 320	320	< 5.7	5.7	< 5.0	5.0
1,2,4-Trichlorobenzene			< 320	320	< 4.8	4.8	< 320	320	< 5.7	5.7	< 5.0	5.0
1,2,4-Trimethylbenzene	3,600	52,000	< 320	320	< 4.8	4.8	< 320	320	< 5.7	5.7	< 5.0	5.0
1,2-Dibromo-3-chloropropane			< 320	320	< 4.8	4.8	< 320	320	< 5.7	5.7	< 5.0	5.0
1,2-Dibromomethane			< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
1,2-Dichlorobenzene	1,100	100,000	< 320	320	< 4.8	4.8	< 320	320	< 5.7	5.7	< 5.0	5.0
1,2-Dichloroethane	20	3,100	< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
1,2-Dichloropropane			< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
1,3,5-Trimethylbenzene	8,400	52,000	< 320	320	< 4.8	4.8	< 320	320	< 5.7	5.7	< 5.0	5.0
1,3-Dichlorobenzene	2,400	4,900	< 320	320	< 4.8	4.8	< 320	320	< 5.7	5.7	< 5.0	5.0
1,3-Dichloropropane			< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
1,4-Dichlorobenzene	1,800	13,000	< 320	320	< 4.8	4.8	< 320	320	< 5.7	5.7	< 5.0	5.0
1,4-dioxane	100	13,000	< 72	72	< 72	72	< 94	94	< 85	85	< 75	75
2,2-Dichloropropane			< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
2-Chlorotoluene			< 320	320	< 4.8	4.8	< 320	320	< 5.7	5.7	< 5.0	5.0
2-Hexanone (Methyl Butyl Ketone)			< 24	24	< 24	24	< 31	31	< 28	28	< 25	25
2-Isopropyltoluene			< 320	320	< 4.8	4.8	< 320	320	< 5.7	5.7	< 5.0	5.0
4-Chlorotoluene			< 320	320	< 4.8	4.8	< 320	320	< 5.7	5.7	< 5.0	5.0
4-Methyl-2-Pentanone			< 24	24	< 24	24	< 31	31	< 28	28	< 25	25
Acetone	50	100,000	**9.8**	24	**23**	24	**23**	31	**10**	28	**36**	25
Acrolein			< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
Acrylonitrile			< 19	19	< 9.6	9.6	< 13	13	< 11	11	< 20	20
Benzene	60	4,800	< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
Bromobenzene			< 320	320	< 4.8	4.8	< 320	320	< 5.7	5.7	< 5.0	5.0
Bromochloromethane			< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
Bromodichloromethane			< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
Bromoform			< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
Bromomethane			< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
Carbon Disulfide			< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
Carbon tetrachloride	760	2,400	< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
Chlorobenzene	1,100	100,000	< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
Chloroethane			< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
Chloroform	370	49,000	< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
Chloromethane			< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
cis-1,2-Dichloroethene	250	100,000	< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
cis-1,3-Dichloropropene			< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
Dibromochloromethane			< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
Dibromomethane			< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
Dichlorodifluoromethane			< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
Ethylbenzene	1,000	41,000	< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
Hexachlorobutadiene			< 320	320	< 4.8	4.8	< 320	320	< 5.7	5.7	< 5.0	5.0
Isopropylbenzene			< 320	320	< 4.8	4.8	< 320	320	< 5.7	5.7	< 5.0	5.0
m&p-Xylenes	260	100,000	< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
Methyl Ethyl Ketone (2-Butanone)	120	100,000	< 29	29	< 29	29	< 38	38	< 34	34	< 30	30
Methyl t-butyl ether (MTBE)	930	100,000	< 9.7	9.7	< 9.6	9.6	< 13	13	< 11	11	< 10	10
Methylene chloride	50	100,000	< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
Naphthalene			< 320	320	< 4.8	4.8	**71**	320	< 5.7	5.7	< 5.0	5.0
n-Butylbenzene	12,000	100,000	< 320	320	< 4.8	4.8	< 320	320	< 5.7	5.7	< 5.0	5.0
n-Propylbenzene	3,900	100,000	< 320	320	< 4.8	4.8	< 320	320	< 5.7	5.7	< 5.0	5.0
o-Xylene	260	100,000	< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
p-Isopropyltoluene			< 320	320	< 4.8	4.8	< 320	320	< 5.7	5.7	< 5.0	5.0
sec-Butylbenzene	11,000	100,000	< 320	320	< 4.8	4.8	< 320	320	< 5.7	5.7	< 5.0	5.0
Styrene			< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
tert-butyl alcohol			< 97	97	< 96	96	< 130	130	< 110	110	< 100	100
tert-Butylbenzene	5,900	100,000	< 320	320	< 4.8	4.8	< 320	320	< 5.7	5.7	< 5.0	5.0
Tetrachloroethene	1,300	19,000	< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
Tetrahydrofuran (THF)			< 9.7	9.7	< 9.6	9.6	< 13	13	< 11	11	< 10	10
Toluene	700	100,000	< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
trans-1,2-Dichloroethene	190	100,000	< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
trans-1,3-Dichloropropene			< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
trans-1,4-dichloro-2-butene			< 640	640	< 9.6	9.6	< 640	640	< 11	11	< 10	10
Trichloroethene	470	21,000	< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
Trichlorofluoromethane			< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
Trichlorotrifluoroethane			< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
Vinyl Chloride	20	900	< 4.8	4.8	< 4.8	4.8	< 6.3	6.3	< 5.7	5.7	< 5.0	5.0
Total BTEX Concentration			**0**		**0**		**0**		**0**		**0**	
Total VOCs Concentration			**9.8**		**23**		**94**		**10**		**36**	

Notes:

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

BCG - Below Cellar Grade

RL- Reporting Limit

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

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

TABLE 2
188 East 135th Street
Bronx, 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 (10-12') 12/12/2018 µg/Kg		SB2 (7-9') 12/12/2018 µg/Kg		SB3 (7-9') 12/12/2018 µg/Kg		SB4 (8-10') 12/12/2018 µg/Kg		SB5 (8-10') 12/12/2018 µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,2,4,5-Tetrachlorobenzene			< 260	260	< 270	270	< 260	260	< 250	250	< 270	270
1,2,4-Trichlorobenzene			< 260	260	< 270	270	< 260	260	< 250	250	< 270	270
1,2-Dichlorobenzene			< 260	260	< 270	270	< 260	260	< 250	250	< 270	270
1,2-Diphenylhydrazine			< 260	260	< 270	270	< 260	260	< 250	250	< 270	270
1,3-Dichlorobenzene			< 260	260	< 270	270	< 260	260	< 250	250	< 270	270
1,4-Dichlorobenzene			< 260	260	< 270	270	< 260	260	< 250	250	< 270	270
2,4,5-Trichlorophenol			< 260	260	< 270	270	< 260	260	< 250	250	< 270	270
2,4,6-Trichlorophenol			< 190	190	< 190	190	< 190	190	< 180	180	< 200	200
2,4-Dichlorophenol			< 190	190	< 190	190	< 190	190	< 180	180	< 200	200
2,4-Dimethylphenol			< 260	260	< 270	270	< 260	260	< 250	250	< 270	270
2,4-Dinitrophenol			< 260	260	< 270	270	< 260	260	< 250	250	< 270	270
2,4-Dinitrotoluene			< 190	190	< 190	190	< 190	190	< 180	180	< 200	200
2,6-Dinitrotoluene			< 190	190	< 190	190	< 190	190	< 180	180	< 200	200
2-Chloronaphthalene			< 260	260	< 270	270	< 260	260	< 250	250	< 270	270
2-Chlorophenol			< 260	260	< 270	270	< 260	260	< 250	250	< 270	270
2-Methylnaphthalene			**250**	260	< 270	270	< 260	260	< 250	250	< 270	270
2-Methylphenol (o-cresol)	330	100,000	< 260	260	< 270	270	< 260	260	< 250	250	< 270	270
2-Nitroaniline			< 260	260	< 270	270	< 260	260	< 250	250	< 270	270
2-Nitrophenol			< 260	260	< 270	270	< 260	260	< 250	250	< 270	270
3&4-Methylphenol (m&p-cresol)	330	100,000	< 260	260	< 270	270	< 260	260	< 250	250	< 270	270
3,3'-Dichlorobenzidine			< 190	190	< 190	190	< 190	190	< 180	180	< 200	200
3-Nitroaniline			< 380	380	< 390	390	< 380	380	< 360	360	< 390	390
4,6-Dinitro-2-methylphenol			< 230	230	< 230	230	< 230	230	< 220	220	< 230	230
4-Bromophenyl phenyl ether			< 260	260	< 270	270	< 260	260	< 250	250	< 270	270
4-Chloro-3-methylphenol			< 260	260	< 270	270	< 260	260	< 250	250	< 270	270
4-Chloroaniline			< 300	300	< 310	310	< 300	300	< 290	290	< 310	310
4-Chlorophenyl phenyl ether			< 260	260	< 270	270	< 260	260	< 250	250	< 270	270
4-Nitroaniline			< 380	380	< 390	390	< 380	380	< 360	360	< 390	390
4-Nitrophenol			< 380	380	< 390	390	< 380	380	< 360	360	< 390	390
Acenaphthene	20,000	100,000	**490**	260	< 270	270	< 260	260	< 250	250	< 270	270
Acenaphthylene	100,000	100,000	**550**	260	< 270	270	< 260	260	< 250	250	< 270	270
Acetophenone			< 260	260	< 270	270	< 260	260	< 250	250	< 270	270
Aniline			< 300	300	< 310	310	< 300	300	< 290	290	< 310	310
Anthracene	100,000	100,000	**1,500**	260	< 270	270	**140**	260	**380**	250	< 270	270
Benz(a)anthracene	1,000	1,000	**3,400**	260	< 270	270	**430**	260	**700**	250	< 270	270
Benzidine			< 380	380	< 390	390	< 380	380	< 360	360	< 390	390
Benzo(a)pyrene	1,000	1,000	**3,200**	190	< 190	190	**470**	190	**640**	180	< 200	200
Benzo(b)fluoranthene	1,000	1,000	**3,000**	260	< 270	270	**400**	260	**530**	250	< 270	270
Benzo(ghi)perylene	100,000	100,000	**1,800**	260	< 270	270	**330**	260	**330**	250	< 270	270
Benzo(k)fluoranthene	800	3,900	**2,700**	260	< 270	270	**380**	260	**500**	250	< 270	270
Benzoic acid			< 1900	1,900	< 1900	1,900	< 1900	1,900	< 1800	1,800	< 2000	2,000
Benzyl butyl phthalate			< 260	260	< 270	270	< 260	260	< 250	250	< 270	270
Bis(2-chloroethoxy)methane			< 260	260	< 270	270	< 260	260	< 250	250	< 270	270
Bis(2-chloroethyl)ether			< 190	190	< 190	190	< 190	190	< 180	180	< 200	200
Bis(2-chloroisopropyl)ether			< 260	260	< 270	270	< 260	260	< 250	250	< 270	270
Bis(2-ethylhexyl)phthalate			< 260	260	< 270	270	< 260	260	< 250	250	< 270	270
Carbazole			**360**	190	< 190	190	< 190	190	< 180	180	< 200	200
Chrysene	1,000	3,900	**3,400**	260	< 270	270	**450**	260	**680**	250	< 270	270
Dibenz(a,h)anthracene	330	330	**720**	190	< 190	190	< 190	190	< 180	180	< 200	200
Dibenzofuran	7,000	59,000	**320**	260	< 270	270	< 260	260	< 250	250	< 270	270
Diethyl phthalate			< 260	260	< 270	270	< 260	260	< 250	250	< 270	270
Dimethylphthalate			< 260	260	< 270	270	< 260	260	< 250	250	< 270	270
Di-n-butylphthalate			< 260	260	< 270	270	< 260	260	< 250	250	< 270	270
Di-n-octylphthalate			< 260	260	< 270	270	< 260	260	< 250	250	< 270	270
Fluoranthene	100,000	100,000	**7,000**	260	**320**	270	**780**	260	**1,700**	250	< 270	270
Fluorene	30,000	100,000	**470**	260	< 270	270	< 260	260	< 250	250	< 270	270
Hexachlorobenzene			< 190	190	< 190	190	< 190	190	< 180	180	< 200	200
Hexachlorobutadiene			< 260	260	< 270	270	< 260	260	< 250	250	< 270	270
Hexachlorocyclopentadiene			< 260	260	< 270	270	< 260	260	< 250	250	< 270	270
Hexachloroethane			< 190	190	< 190	190	< 190	190	< 180	180	< 200	200
Indeno(1,2,3-cd)pyrene	500	500	**2,100**	260	< 270	270	**330**	260	**360**	250	< 270	270
Isophorone			< 190	190	< 190	190	< 190	190	< 180	180	< 200	200
Naphthalene	12,000	100,000	**210**	260	< 270	270	< 260	260	< 250	250	< 270	270
Nitrobenzene			< 190	190	< 190	190	< 190	190	< 180	180	< 200	200
N-Nitrosodimethylamine			< 260	260	< 270	270	< 260	260	< 250	250	< 270	270
N-Nitrosodi-n-propylamine			< 190	190	< 190	190	< 190	190	< 180	180	< 200	200
N-Nitrosodiphenylamine			< 260	260	< 270	270	< 260	260	< 250	250	< 270	270
Pentachloronitrobenzene			< 260	260	< 270	270	< 260	260	< 250	250	< 270	270
Pentachlorophenol	800	6,700	< 230	230	< 230	230	< 230	230	< 220	220	< 230	230
Phenanthrene	100,000	100,000	**5,000**	260	**300**	270	**520**	260	**1,300**	250	< 270	270
Phenol	330	100,000	< 260	260	< 270	270	< 260	260	< 250	250	< 270	270
Pyrene	100,000	100,000	**6,500**	260	< 270	270	**740**	260	**1,500**	250	< 270	270
Pyridine			< 260	260	< 270	270	< 260	260	< 250	250	< 270	270

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

TABLE 3
188 East 135th Street
Bronx, 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 (10-12') 12/12/2018 µg/Kg		SB2 (7-9') 12/12/2018 µg/Kg		SB3 (7-9') 12/12/2018 µg/Kg		SB4 (8-10') 12/12/2018 µg/Kg		SB5 (8-10') 12/12/2018 µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Aluminum			5,850	37	9,320	40	9,190	37	9,910	38	12,400	37
Antimony			15.1	3.7	< 4.0	4.0	< 3.7	3.7	< 3.8	3.8	< 3.7	3.7
Arsenic	13	16	15.8	0.75	8.39	0.80	8.23	0.74	5.21	0.76	2.64	0.74
Barium	350	350	168	0.7	285	0.8	203	0.7	71.1	0.8	27.3	0.7
Beryllium	7.2	14	0.44	0.30	0.52	0.32	0.56	0.29	0.49	0.30	0.53	0.29
Cadmium	2.5	2.5	3.44	0.37	2.61	0.40	0.9	0.37	0.43	0.38	< 0.37	0.37
Calcium			48,200	37	44,500	40	6,280	3.7	1,540	3.8	7,670	3.7
Chromium	30	180	46.3	0.37	23.2	0.40	34.8	0.37	17.4	0.38	17.9	0.37
Cobalt			10.3	0.37	9.08	0.40	8.51	0.37	10.7	0.38	6.1	0.37
Copper	50	270	308	7.5	159	0.8	63.9	0.7	26.8	0.8	25.3	0.7
Iron			59,600	37	39,300	40	25,000	37	20,000	38	14,700	37
Lead	63	400	662	7.5	959	8.0	382	7.4	62.6	0.8	11.7	0.7
Magnesium			14,000	37	4,420	4.0	3,000	3.7	2,980	3.8	6,300	37
Manganese	1,600	2,000	597	3.7	398	4.0	228	3.7	293	3.8	110	0.37
Mercury	0.18	0.81	1.29	0.15	13	1.4	0.53	0.14	0.24	0.13	0.03	0.03
Nickel	30	140	38.3	0.37	18.5	0.40	43.2	0.37	16.3	0.38	14.4	0.37
Potassium			1,120	7	1,840	8	1,310	7	2,030	8	1,470	7
Selenium	3.9	36	< 1.5	1.5	< 1.6	1.6	< 1.5	1.5	< 1.5	1.5	< 1.5	1.5
Silver	2	36	< 0.37	0.37	< 0.40	0.40	< 0.37	0.37	< 0.38	0.38	< 0.37	0.37
Sodium			494	7	396	8	375	7	125	8	289	7
Thallium			< 1.5	1.5	< 1.6	1.6	< 1.5	1.5	< 1.5	1.5	< 1.5	1.5
Vanadium			56.3	0.37	25.3	0.40	23.5	0.37	26.3	0.38	22.5	0.37
Zinc	109	2,200	720	7.5	877	8.0	195	7.4	85.6	0.8	64.4	0.7

Notes:

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

BCG - Below Cellar Grade

RL- Reporting Limit

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

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

TABLE 4
188 East 135th Street
Bronx, New York
Ground Water Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards	GW1 12/12/2018		GW2 12/12/2018		GW3 12/12/2018	
	µg/L	µg/L		µg/L		µg/L	
		Results	RL	Results	RL	Results	RL
1,1,1,2-Tetrachloroethane	5	< 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
1,1,2,2-Tetrachloroethane	5	< 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
1,1-Dichloroethane	5	< 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
1,1-Dichloropropene	5	< 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
1,2,3-Trichloropropane	0.04	< 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
1,2,4-Trimethylbenzene	5	**1.8**	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
1,2-Dibromoethane	0.0006	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25
1,2-Dichlorobenzene		< 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
1,2-Dichloropropane	1	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3,5-Trimethylbenzene	5	**0.34**	1.0	< 1.0	1.0	< 1.0	1.0
1,3-Dichlorobenzene	3	< 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
1,4-Dichlorobenzene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,4-dioxane		< 100	100	< 100	100	< 100	100
2,2-Dichloropropane	5	< 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
2-Hexanone	50	< 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
4-Chlorotoluene	5	< 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
Acetone	50	**3.9**	5.0	< 5.0	5.0	**3.7**	5.0
Acrolein	5	< 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
Benzene	1	< 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
Bromochloromethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromodichloromethane	50	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromoform	50	< 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
Carbon Disulfide		**0.4**	1.0	< 1.0	1.0	**0.39**	1.0
Carbon tetrachloride	5	< 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
Chloroethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroform	7	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloromethane	5	< 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
cis-1,3-Dichloropropene	0.4	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
Dibromochloromethane	50	< 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
Dichlorodifluoromethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Ethylbenzene	5	**0.32**	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
Isopropylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
m&p-Xylene		**1.2**	1.0	< 1.0	1.0	< 1.0	1.0
Methyl ethyl ketone	50	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Methyl t-butyl ether (MTBE)		< 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
Naphthalene	10	**1.6**	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
n-Propylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
o-Xylene	5	**0.6**	1.0	< 1.0	1.0	< 1.0	1.0
p-Isopropyltoluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
sec-Butylbenzene	5	**1.5**	1.0	< 1.0	1.0	< 1.0	1.0
Styrene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Tert-butyl alcohol		< 50	50	< 50	50	< 50	50
tert-Butylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Tetrachloroethene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Tetrahydrofuran (THF)	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Toluene	5	**1.3**	1.0	< 1.0	1.0	< 1.0	1.0
trans-1,2-Dichloroethene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
trans-1,3-Dichloropropene	0.4	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
trans-1,4-dichloro-2-butene	5	< 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
Trichlorofluoromethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Trichlorotrifluoroethane	5	< 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

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

TABLE 5
188 East 135th Street
Bronx, New York
Soil Gas - Volatile Organic Compounds

COMPOUNDS	NYSDOH Maximum Sub-Slab Value ($\mu g/m^3$) [a]	NYSDOH Soil Outdoor Background Levels ($\mu g/m^3$) [b]	SV1 12/12/2018 ($\mu g/m3$)		SV2 12/12/2018 ($\mu g/m3$)		SS1 12/12/2018 ($\mu g/m3$)	
			Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,1-Trichloroethane	100	<2.0 - 2.8	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,2,2-Tetrachloroethane		<1.5	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,2-Trichloroethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1-Dichloroethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1-Dichloroethene		<1.0	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
1,2,4-Trichlorobenzene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2,4-Trimethylbenzene		<1.0	**2.9**	1.00	**2.52**	1.00	**4.81**	1.00
1,2-Dibromoethane		<1.5	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichlorobenzene		<2.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichloroethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichloropropane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichlorotetrafluoroethane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,3,5-Trimethylbenzene		<1.0	**1.41**	1.00	< 1.00	1.00	**1.72**	1.00
1,3-Butadiene		NA	< 1.00	1.00	**8.89**	1.00	< 1.00	1.00
1,3-Dichlorobenzene		<2.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,4-Dichlorobenzene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,4-Dioxane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
2-Hexanone			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
4-Ethyltoluene		NA	**4.31**	1.00	**3.75**	1.00	**6.14**	1.00
4-Isopropyltoluene			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
4-Methyl-2-pentanone			< 1.00	1.00	**2.28**	1.00	**1.44**	1.00
Acetone		NA	**287**	5.01	**247**	5.01	**148**	5.01
Acrylonitrile			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Benzene		<1.6 - 4.7	**5.33**	1.00	**2.77**	1.00	**5.87**	1.00
Benzyl Chloride		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromodichloromethane		<5.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromoform		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromomethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Carbon Disulfide		NA	**14.7**	1.00	**5.13**	1.00	**3.64**	1.00
Carbon Tetrachloride	5	<3.1	< 0.20	0.20	< 0.20	0.20	**0.33**	0.20
Chlorobenzene		<2.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Chloroethane		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Chloroform		<2.4	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Chloromethane		<1.0 - 1.4	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
cis-1,2-Dichloroethene		<1.0	< 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
Cyclohexane		NA	**8.57**	1.00	**10.1**	1.00	**1.07**	1.00
Dibromochloromethane		<5.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Dichlorodifluromethane		NA	**1.46**	1.00	**1.69**	1.00	**1.5**	1.00
Ethanol			**27.5**	1.00	**42**	1.00	**19.8**	1.00
Ethyl Acetate		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Ethylbenzene		<4.3	**4.02**	1.00	**2.5**	1.00	**5.47**	1.00
Heptane		NA	**41.8**	1.00	**3.83**	1.00	**3.26**	1.00
Hexachlorobutadiene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Hexane		<1.5	**77.5**	1.00	**5.74**	1.00	**1.32**	1.00
Isopropylalcohol		NA	< 1.00	1.00	**1.74**	1.00	**2.87**	1.00
Isopropylbenzene			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Xylene (m&p)		<4.3	**15.1**	1.00	**10.3**	1.00	**18.3**	1.00
Methyl Ethyl Ketone			**22**	1.00	**11.5**	1.00	**12.5**	1.00
MTBE		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Methylene Chloride		<3.4	**64.9**	3.00	**12.2**	3.00	< 3.00	3.00
n-Butylbenzene			< 1.00	1.00	< 1.00	1.00	**1.22**	1.00
Xylene (o)		<4.3	**5.34**	1.00	**3.38**	1.00	**6.47**	1.00
Propylene		NA	< 1.00	1.00	**168**	5.01	**2.79**	1.00
sec-Butylbenzene			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Styrene		<1.0	**1.53**	1.00	**1.19**	1.00	**2.88**	1.00
Tetrachloroethene	30		**3.75**	0.25	**0.62**	0.25	**5.73**	0.25
Tetrahydrofuran		NA	< 1.00	1.00	**7.93**	1.00	< 1.00	1.00
Toluene		1.0 - 6.1	**17.5**	1.00	**10.5**	1.00	**21.6**	1.00
trans-1,2-Dichloroethene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
trans-1,3-Dichloropropene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Trichloroethene	2	<1.7	< 0.20	0.20	< 0.20	0.20	**0.35**	0.20
Trichlorofluoromethane		NA	< 1.00	1.00	< 1.00	1.00	**1.85**	1.00
Trichlorotrifluoroethane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Vinyl Chloride		<1.0	< 0.20	0.20	**0.49**	0.20	< 0.20	0.20
BTEX			**47.29**		**29.45**		**57.71**	
CVOCs			**3.75**		**1.11**		**6.41**	
Total VOCs			**606.62**		**566.05**		**280.93**	

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

FIGURES

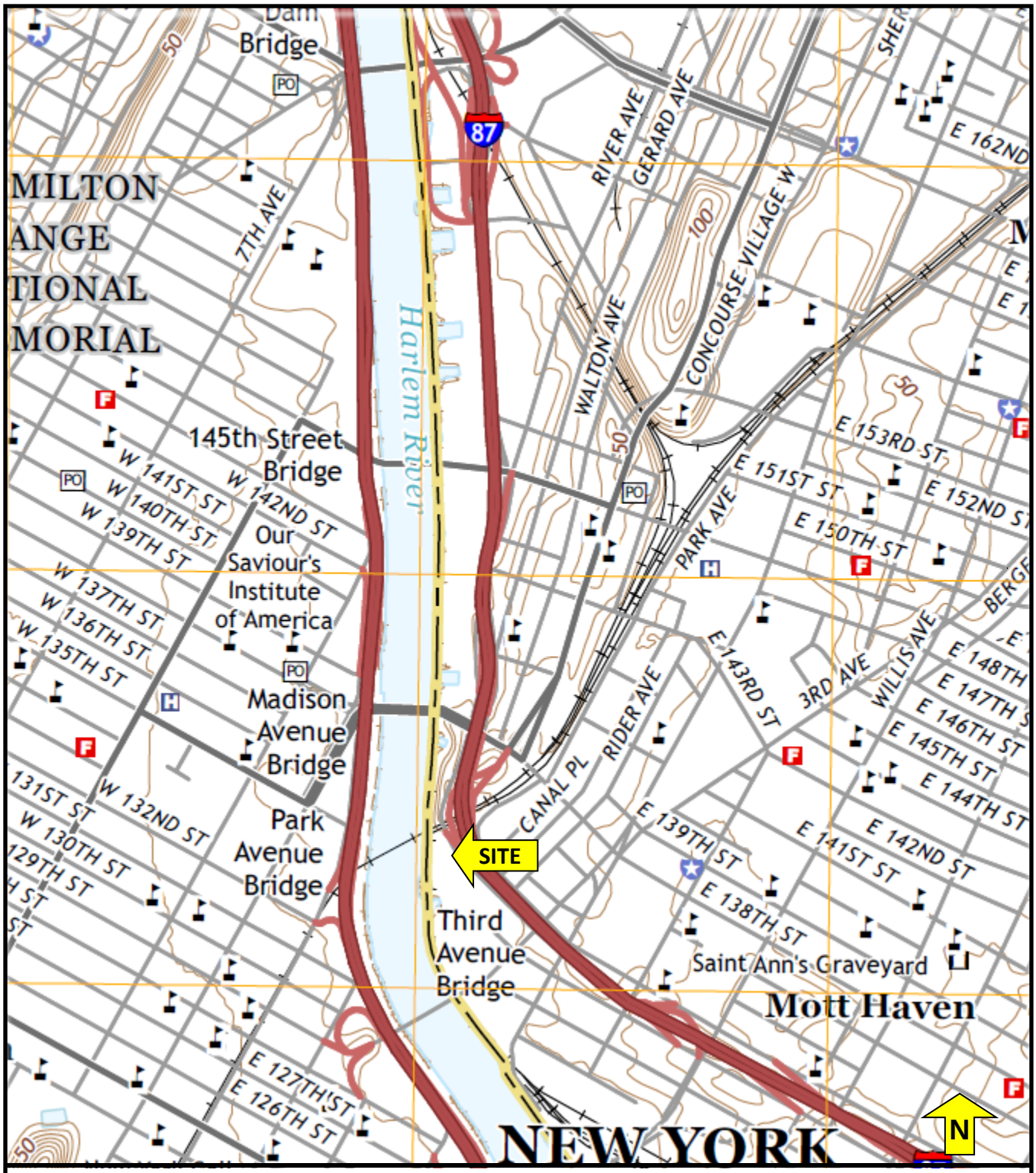

FIGURE 1 – SITE LOCATION MAP

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS
Phone 631.504.6000
Fax 631.924.2870

SITE NAME: Commercial Property
STREET ADDRESS: 188 East 135th Street
MUNICIPALITY, STATE, ZIP: Bronx, NY10451

Source: USGS

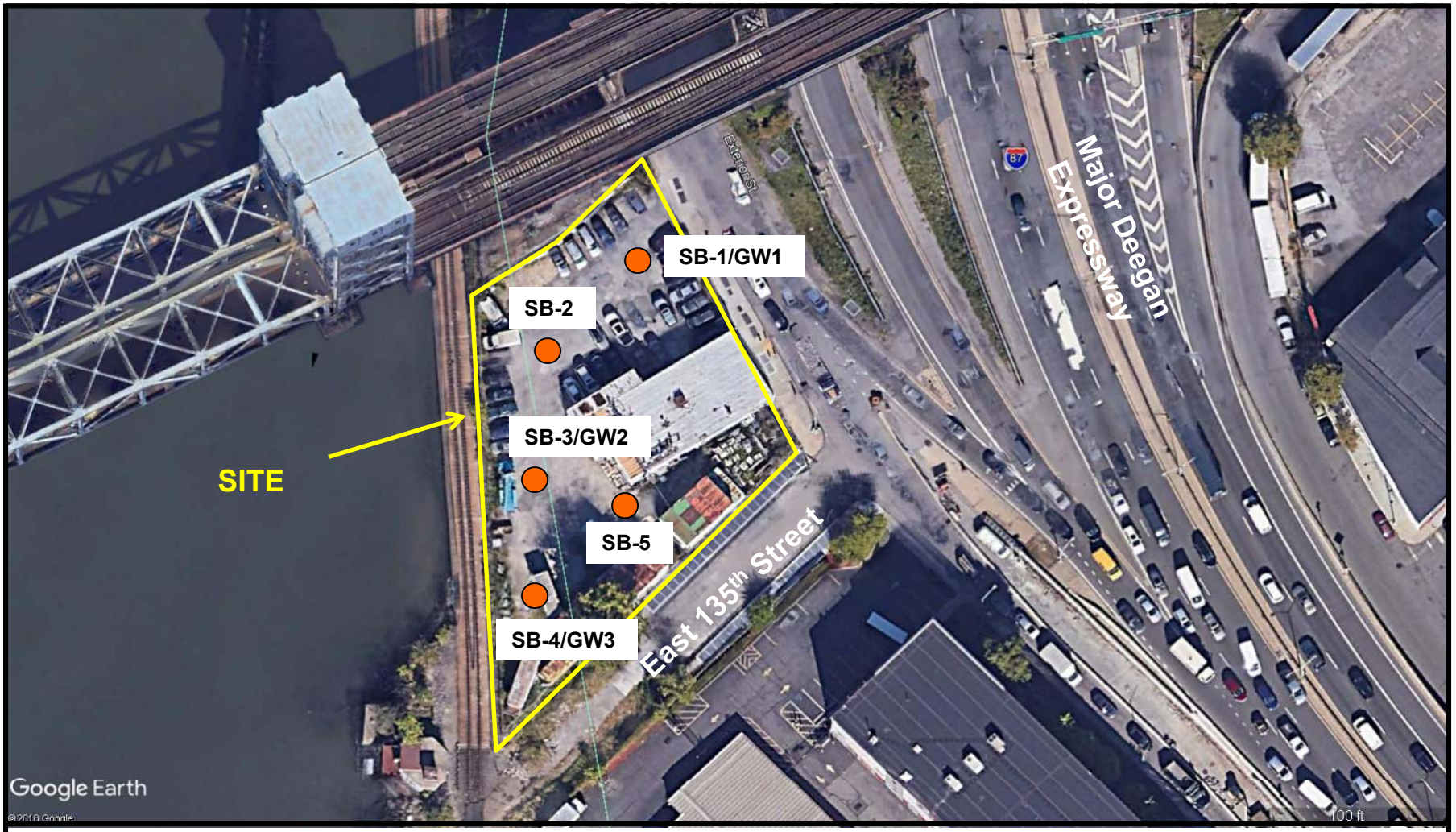

FIGURE 2 - SOIL BORING AND GROUNDWATER SAMPLE LOCATION MAP

N

SITE NAME: Commercial Property
STREET ADDRESS: 188 East 135th Street
MUNICIPALITY, STATE, ZIP: Bronx, NY 10036

Source: Google Earth – June 2011

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS
Phone 631.504.6000
Fax 631.924.2870

SOIL VAPOR AND SUB-SLAB SOIL VAPOR SAMPLE LOCATION MAP

N

SITE NAME: Commercial Property
STREET ADDRESS: 188 East 135th Street
MUNICIPALITY, STATE, ZIP: Bronx, NY 10036

Source: Google Earth – June 2011

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS
Phone 631.504.6000
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ATTACHMENT A

SOIL BORING LOGS

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

SB1 Boring Log

Location: 38' from Northern property line and 27' from Eastern property line.		Depth to Water	Site Elevation Datum
Site Name: 118 East 135th street	Address: 188 East 135th Street, Bronx, NY 10451	Date / DTW	Ground Elevation
		Groundwater depth	
Drilling Company: C Squared	Method: Geoprobe	11-12ft bgs	Well Specifications
Date Started: 12/12/2018	Date Completed: 12/12/2018		None
Completion Depth: 15 feet	Geologist David Rukki		

B1 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	3		0.0	0-3" - (FILL) Crushed concrete
	5 to 10	12		0.0	0-4" - (FILL) Brick and stone 4-12" - (FILL) Black-brown, silty sand with asphalt and red brick. Dry. No odor.
	10 to 15	7		0.0	0-7" - Dark black silty sand with some organics. Wet. No odor. **Retained soil sample SB1(10-12)*

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

SB2 Boring Log

Location: 40' from Northern property line and 16' from Western property line.		Depth to Water		Site Elevation Datum
Site Name: 118 East 135th street	Address: 188 East 135th Street, Bronx, NY 10451	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: C Squared	Method: Geoprobe	11-12ft bgs		Well Specifications
Date Started: 12/12/2018	Date Completed: 12/12/2018			No Well
Completion Depth: 10 feet	Geologist David Rukki			

B1 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	27		0.0	0-6" - (FILL) light-brown silty sand with asphalt and minor red brick. Dry. No odor. 6-24" - black and dark brown siltly sand with shade orange. Dry. No odor 24-27" - crushed stone
	to 10	10		0.0	0-5" - (FILL) Black-brown silty sand couse grains. Dry. No odor. 5-10" - light brown wet silty sand. No odors. **Retained soil sample SB2(7-9)*

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

SB3 Boring Log

Location: 95' from Northern property line and 13' from Western property line.			Depth to Water	Site Elevation Datum
Site Name: 118 East 135th street	Address: 188 East 135th Street, Bronx, NY 10451		Date / DTW	Ground Elevation
			Groundwater depth	
Drilling Company: C Squared	Method: Geoprobe		11-12ft bgs	Well Specifications
Date Started: 12/12/2018	Date Completed: 12/12/2018			No Well
Completion Depth: 15 feet	Geologist David Rukki			

B1 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	35		0.0	0-6" - light brown/gray silty sand with some fill 6-13" - dark brown siltly sand. Damp. No odor 13-24" Interbedded crushed stone and silty sand 24-35" light brown/black silty sand with some brick. Dry. No odors.
	to 10	8		0.0	0-8" - Black-brown silty sand. Very damp. No odor. **Retained soil sample SB3(7-9)*
	to 15	17		0.0	0-17" - Gray clay and some layers of silty sand.No odors.

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

SB4 Boring Log

Location: 22' from Western property line and 37' from Southern property line.		Depth to Water	Site Elevation Datum
Site Name: 118 East 135th street	Address: 188 East 135th Street, Bronx, NY 10451	Date / DTW	Ground Elevation
		Groundwater depth	
Drilling Company: C Squared	Method: Geoprobe	11-12ft bgs	Well Specifications
Date Started: 12/12/2018	Date Completed: 12/12/2018		No Well
Completion Depth: 15 feet	Geologist David Rukki		

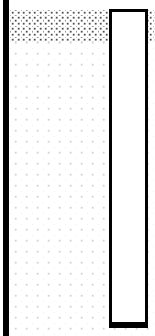
B1 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	23		0.0	0-3" - Crushed concrete 3-8" - (Fill) Light brown silty sand. Dry. No odors 8-14" - Crushed concrete 14-23" - Light/Dark brown silty sand. Dry. No odors
	to 10	6		0.0	0-5" - Black-brown silty sand with very loose yellow substance. Dry. No odor. 5-6" - Crushed stone. **Retained soil sample SB4(8-10)*
	to 15	0		0.0	No recovery

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

SB5 Boring Log

Location: 67' from Eastern property line and 27' from Southern property line.		Depth to Water	Site Elevation Datum
Site Name: 118 East 135th street	Address: 188 East 135th Street, Bronx, NY 10451	Date / DTW	Ground Elevation
		Groundwater depth	
Drilling Company: C Squared	Method: Geoprobe	11-12ft bgs	Well Specifications
Date Started: 12/12/2018	Date Completed: 12/12/2018		No Well
Completion Depth: 15 feet	Geologist David Rukki		

B1 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	21		0.0	0-11" - (FILL) Black-brown silty sand with minor fill. Dry. No odor. 11-17" - light brown/gray silty sand. Dry 17-21" - gray clay
	5 to 10	24		0.0	0-6" - light brown silty sand 6-16" - light brown silty sand with orange shade. Dry. No odors. 16-24" - Damp silty sand with clay. No odors. **Retained soil sample SB5(8-10)*

ATTACHMENT B

LABORATORY ANAYTICAL REPORTS

PHOENIX
Environmental Laboratories, Inc.

Wednesday, December 19, 2018

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

Project ID: 188 EAST 135TH ST BRONX NY
Sample ID#s: CC13976 - CC13983

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

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

December 19, 2018

SDG I.D.: GCC13976

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.

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

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 19, 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:	DR	12/12/18	8:15
Location Code:	EBC	Received by:	SW	12/13/18	16:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCC13976
Phoenix ID: CC13976

Project ID: 188 EAST 135TH ST BRONX NY
Client ID: SB 1 (10-12`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.37	0.37		mg/Kg	1	12/15/18	CPP	SW6010C	
Aluminum	5850	37		mg/Kg	10	12/15/18	CPP	SW6010C	
Arsenic	15.8	0.75		mg/Kg	1	12/15/18	CPP	SW6010C	
Barium	168	0.7		mg/Kg	1	12/15/18	EK	SW6010C	B
Beryllium	0.44	0.30		mg/Kg	1	12/15/18	CPP	SW6010C	
Calcium	48200	37		mg/Kg	10	12/15/18	CPP	SW6010C	
Cadmium	3.44	0.37		mg/Kg	1	12/15/18	CPP	SW6010C	
Cobalt	10.3	0.37		mg/Kg	1	12/15/18	CPP	SW6010C	
Chromium	46.3	0.37		mg/Kg	1	12/15/18	CPP	SW6010C	
Copper	308	7.5		mg/kg	10	12/15/18	CPP	SW6010C	
Iron	59600	37		mg/Kg	10	12/15/18	CPP	SW6010C	
Mercury	1.29	0.15		mg/Kg	1	12/14/18	RS	SW7471B	
Potassium	1120	7		mg/Kg	1	12/15/18	EK	SW6010C	
Magnesium	14000	37		mg/Kg	10	12/15/18	CPP	SW6010C	
Manganese	597	3.7		mg/Kg	10	12/15/18	CPP	SW6010C	
Sodium	494	7		mg/Kg	1	12/15/18	CPP	SW6010C	
Nickel	38.3	0.37		mg/Kg	1	12/15/18	CPP	SW6010C	
Lead	662	7.5		mg/Kg	10	12/15/18	CPP	SW6010C	
Antimony	15.1	3.7		mg/Kg	1	12/15/18	EK	SW6010C	
Selenium	< 1.5	1.5		mg/Kg	1	12/15/18	CPP	SW6010C	
Thallium	< 1.5	1.5		mg/Kg	1	12/15/18	CPP	SW6010C	
Vanadium	56.3	0.37		mg/Kg	1	12/15/18	CPP	SW6010C	
Zinc	720	7.5		mg/Kg	10	12/15/18	CPP	SW6010C	
Percent Solid	87			%		12/13/18	AK	SW846-%Solid	
Soil Extraction for SVOA	Completed					12/13/18	JJ/CK	SW3545A	
Mercury Digestion	Completed					12/14/18	EV/EV	SW7471B	
Total Metals Digest	Completed					12/14/18	M/AG	SW3050B	

Project ID: 188 EAST 135TH ST BRONX NY
Client ID: SB 1 (10-12`)

Phoenix I.D.: CC13976

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		4.8	0.97	ug/Kg	1	12/15/18	JLI	SW8260C	
1,1,1-Trichloroethane	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND		320	64	ug/Kg	50	12/15/18	JLI	SW8260C	
1,1,2-Trichloroethane	ND		4.8	0.97	ug/Kg	1	12/15/18	JLI	SW8260C	
1,1-Dichloroethane	ND		4.8	0.97	ug/Kg	1	12/15/18	JLI	SW8260C	
1,1-Dichloroethene	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
1,1-Dichloropropene	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		320	64	ug/Kg	50	12/15/18	JLI	SW8260C	
1,2,3-Trichloropropane	ND		320	32	ug/Kg	50	12/15/18	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		320	64	ug/Kg	50	12/15/18	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND		320	32	ug/Kg	50	12/15/18	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		320	64	ug/Kg	50	12/15/18	JLI	SW8260C	
1,2-Dibromoethane	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
1,2-Dichlorobenzene	ND		320	32	ug/Kg	50	12/15/18	JLI	SW8260C	
1,2-Dichloroethane	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
1,2-Dichloropropane	ND		4.8	0.97	ug/Kg	1	12/15/18	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND		320	32	ug/Kg	50	12/15/18	JLI	SW8260C	
1,3-Dichlorobenzene	ND		320	32	ug/Kg	50	12/15/18	JLI	SW8260C	
1,3-Dichloropropane	ND		4.8	0.97	ug/Kg	1	12/15/18	JLI	SW8260C	
1,4-Dichlorobenzene	ND		320	32	ug/Kg	50	12/15/18	JLI	SW8260C	
2,2-Dichloropropane	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
2-Chlorotoluene	ND		320	64	ug/Kg	50	12/15/18	JLI	SW8260C	
2-Hexanone	ND		24	4.8	ug/Kg	1	12/15/18	JLI	SW8260C	
2-Isopropyltoluene	ND		320	32	ug/Kg	50	12/15/18	JLI	SW8260C	1
4-Chlorotoluene	ND		320	32	ug/Kg	50	12/15/18	JLI	SW8260C	
4-Methyl-2-pentanone	ND		24	4.8	ug/Kg	1	12/15/18	JLI	SW8260C	
Acetone	9.8	JS	24	4.8	ug/Kg	1	12/15/18	JLI	SW8260C	
Acrylonitrile	ND		9.7	0.97	ug/Kg	1	12/15/18	JLI	SW8260C	
Benzene	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
Bromobenzene	ND		320	32	ug/Kg	50	12/15/18	JLI	SW8260C	
Bromochloromethane	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
Bromodichloromethane	ND		4.8	0.97	ug/Kg	1	12/15/18	JLI	SW8260C	
Bromoform	ND		4.8	0.97	ug/Kg	1	12/15/18	JLI	SW8260C	
Bromomethane	ND		4.8	1.9	ug/Kg	1	12/15/18	JLI	SW8260C	
Carbon Disulfide	ND		4.8	0.97	ug/Kg	1	12/15/18	JLI	SW8260C	
Carbon tetrachloride	ND		4.8	0.97	ug/Kg	1	12/15/18	JLI	SW8260C	
Chlorobenzene	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
Chloroethane	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
Chloroform	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
Chloromethane	ND		4.8	0.97	ug/Kg	1	12/15/18	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
Dibromochloromethane	ND		4.8	0.97	ug/Kg	1	12/15/18	JLI	SW8260C	
Dibromomethane	ND		4.8	0.97	ug/Kg	1	12/15/18	JLI	SW8260C	
Dichlorodifluoromethane	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
Ethylbenzene	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
Hexachlorobutadiene	ND		320	32	ug/Kg	50	12/15/18	JLI	SW8260C	
Isopropylbenzene	ND		320	32	ug/Kg	50	12/15/18	JLI	SW8260C	

Ver 1

Project ID: 188 EAST 135TH ST BRONX NY
Client ID: SB 1 (10-12`)

Phoenix I.D.: CC13976

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
m&p-Xylene	ND	4.8	0.97	ug/Kg	1	12/15/18	JLI	SW8260C	
Methyl Ethyl Ketone	ND	29	4.8	ug/Kg	1	12/15/18	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	9.7	0.97	ug/Kg	1	12/15/18	JLI	SW8260C	
Methylene chloride	ND	4.8	4.8	ug/Kg	1	12/15/18	JLI	SW8260C	
Naphthalene	ND	320	64	ug/Kg	50	12/15/18	JLI	SW8260C	
n-Butylbenzene	ND	320	32	ug/Kg	50	12/15/18	JLI	SW8260C	
n-Propylbenzene	ND	320	64	ug/Kg	50	12/15/18	JLI	SW8260C	
o-Xylene	ND	4.8	0.97	ug/Kg	1	12/15/18	JLI	SW8260C	
p-Isopropyltoluene	ND	320	32	ug/Kg	50	12/15/18	JLI	SW8260C	
sec-Butylbenzene	ND	320	32	ug/Kg	50	12/15/18	JLI	SW8260C	
Styrene	ND	4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
tert-Butylbenzene	ND	320	32	ug/Kg	50	12/15/18	JLI	SW8260C	
Tetrachloroethene	ND	4.8	0.97	ug/Kg	1	12/15/18	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	9.7	2.4	ug/Kg	1	12/15/18	JLI	SW8260C	1
Toluene	ND	4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	640	160	ug/Kg	50	12/15/18	JLI	SW8260C	
Trichloroethene	ND	4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
Trichlorofluoromethane	ND	4.8	0.97	ug/Kg	1	12/15/18	JLI	SW8260C	
Trichlorotrifluoroethane	ND	4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
Vinyl chloride	ND	4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100			%	50	12/15/18	JLI	70 - 130 %	
% Bromofluorobenzene	99			%	50	12/15/18	JLI	70 - 130 %	
% Dibromofluoromethane	100			%	1	12/15/18	JLI	70 - 130 %	
% Toluene-d8	94			%	1	12/15/18	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	72		ug/kg	1	12/15/18	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	121			%	1	12/15/18	JLI	70 - 130 %	
% Bromofluorobenzene	73			%	1	12/15/18	JLI	70 - 130 %	
% Toluene-d8	94			%	1	12/15/18	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	19		ug/Kg	1	12/15/18	JLI	SW8260C	
Acrolein	ND	4.8		ug/Kg	1	12/15/18	JLI	SW8260C	
Acrylonitrile	ND	19		ug/Kg	1	12/15/18	JLI	SW8260C	
Tert-butyl alcohol	ND	97		ug/Kg	1	12/15/18	JLI	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	12/14/18	WB	SW8270D	
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	1	12/14/18	WB	SW8270D	
1,2-Dichlorobenzene	ND	260	110	ug/Kg	1	12/14/18	WB	SW8270D	
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	1	12/14/18	WB	SW8270D	
1,3-Dichlorobenzene	ND	260	110	ug/Kg	1	12/14/18	WB	SW8270D	
1,4-Dichlorobenzene	ND	260	110	ug/Kg	1	12/14/18	WB	SW8270D	
2,4,5-Trichlorophenol	ND	260	210	ug/Kg	1	12/14/18	WB	SW8270D	
2,4,6-Trichlorophenol	ND	190	120	ug/Kg	1	12/14/18	WB	SW8270D	

Project ID: 188 EAST 135TH ST BRONX NY
Client ID: SB 1 (10-12`)

Phoenix I.D.: CC13976

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dichlorophenol	ND		190	130	ug/Kg	1	12/14/18	WB	SW8270D	
2,4-Dimethylphenol	ND		260	94	ug/Kg	1	12/14/18	WB	SW8270D	
2,4-Dinitrophenol	ND		260	260	ug/Kg	1	12/14/18	WB	SW8270D	
2,4-Dinitrotoluene	ND		190	150	ug/Kg	1	12/14/18	WB	SW8270D	
2,6-Dinitrotoluene	ND		190	120	ug/Kg	1	12/14/18	WB	SW8270D	
2-Chloronaphthalene	ND		260	110	ug/Kg	1	12/14/18	WB	SW8270D	
2-Chlorophenol	ND		260	110	ug/Kg	1	12/14/18	WB	SW8270D	
2-Methylnaphthalene	250	J	260	110	ug/Kg	1	12/14/18	WB	SW8270D	
2-Methylphenol (o-cresol)	ND		260	180	ug/Kg	1	12/14/18	WB	SW8270D	
2-Nitroaniline	ND		260	260	ug/Kg	1	12/14/18	WB	SW8270D	
2-Nitrophenol	ND		260	240	ug/Kg	1	12/14/18	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		260	150	ug/Kg	1	12/14/18	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND		190	180	ug/Kg	1	12/14/18	WB	SW8270D	
3-Nitroaniline	ND		380	760	ug/Kg	1	12/14/18	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND		230	76	ug/Kg	1	12/14/18	WB	SW8270D	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	1	12/14/18	WB	SW8270D	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	1	12/14/18	WB	SW8270D	
4-Chloroaniline	ND		300	180	ug/Kg	1	12/14/18	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND		260	130	ug/Kg	1	12/14/18	WB	SW8270D	
4-Nitroaniline	ND		380	130	ug/Kg	1	12/14/18	WB	SW8270D	
4-Nitrophenol	ND		380	170	ug/Kg	1	12/14/18	WB	SW8270D	
Acenaphthene	490		260	110	ug/Kg	1	12/14/18	WB	SW8270D	
Acenaphthylene	550		260	110	ug/Kg	1	12/14/18	WB	SW8270D	
Acetophenone	ND		260	120	ug/Kg	1	12/14/18	WB	SW8270D	
Aniline	ND		300	300	ug/Kg	1	12/14/18	WB	SW8270D	
Anthracene	1500		260	120	ug/Kg	1	12/14/18	WB	SW8270D	
Benz(a)anthracene	3400		260	130	ug/Kg	1	12/14/18	WB	SW8270D	
Benzidine	ND		380	220	ug/Kg	1	12/14/18	WB	SW8270D	
Benzo(a)pyrene	3200		190	120	ug/Kg	1	12/14/18	WB	SW8270D	
Benzo(b)fluoranthene	3000		260	130	ug/Kg	1	12/14/18	WB	SW8270D	
Benzo(ghi)perylene	1800		260	120	ug/Kg	1	12/14/18	WB	SW8270D	
Benzo(k)fluoranthene	2700		260	130	ug/Kg	1	12/14/18	WB	SW8270D	
Benzoic acid	ND		1900	760	ug/Kg	1	12/14/18	WB	SW8270D	
Benzyl butyl phthalate	ND		260	97	ug/Kg	1	12/14/18	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	1	12/14/18	WB	SW8270D	
Bis(2-chloroethyl)ether	ND		190	100	ug/Kg	1	12/14/18	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND		260	110	ug/Kg	1	12/14/18	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND		260	110	ug/Kg	1	12/14/18	WB	SW8270D	
Carbazole	360		190	150	ug/Kg	1	12/14/18	WB	SW8270D	
Chrysene	3400		260	130	ug/Kg	1	12/14/18	WB	SW8270D	
Dibenz(a,h)anthracene	720		190	120	ug/Kg	1	12/14/18	WB	SW8270D	
Dibenzofuran	320		260	110	ug/Kg	1	12/14/18	WB	SW8270D	
Diethyl phthalate	ND		260	120	ug/Kg	1	12/14/18	WB	SW8270D	
Dimethylphthalate	ND		260	120	ug/Kg	1	12/14/18	WB	SW8270D	
Di-n-butylphthalate	ND		260	100	ug/Kg	1	12/14/18	WB	SW8270D	
Di-n-octylphthalate	ND		260	97	ug/Kg	1	12/14/18	WB	SW8270D	
Fluoranthene	7000		260	120	ug/Kg	1	12/14/18	WB	SW8270D	
Fluorene	470		260	120	ug/Kg	1	12/14/18	WB	SW8270D	
Hexachlorobenzene	ND		190	110	ug/Kg	1	12/14/18	WB	SW8270D	

Project ID: 188 EAST 135TH ST BRONX NY
Client ID: SB 1 (10-12`)

Phoenix I.D.: CC13976

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Hexachlorobutadiene	ND		260	140	ug/Kg	1	12/14/18	WB	SW8270D	
Hexachlorocyclopentadiene	ND		260	120	ug/Kg	1	12/14/18	WB	SW8270D	
Hexachloroethane	ND		190	110	ug/Kg	1	12/14/18	WB	SW8270D	
Indeno(1,2,3-cd)pyrene	2100		260	130	ug/Kg	1	12/14/18	WB	SW8270D	
Isophorone	ND		190	110	ug/Kg	1	12/14/18	WB	SW8270D	
Naphthalene	210	J	260	110	ug/Kg	1	12/14/18	WB	SW8270D	
Nitrobenzene	ND		190	130	ug/Kg	1	12/14/18	WB	SW8270D	
N-Nitrosodimethylamine	ND		260	110	ug/Kg	1	12/14/18	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND		190	120	ug/Kg	1	12/14/18	WB	SW8270D	
N-Nitrosodiphenylamine	ND		260	150	ug/Kg	1	12/14/18	WB	SW8270D	
Pentachloronitrobenzene	ND		260	140	ug/Kg	1	12/14/18	WB	SW8270D	
Pentachlorophenol	ND		230	140	ug/Kg	1	12/14/18	WB	SW8270D	
Phenanthrene	5000		260	110	ug/Kg	1	12/14/18	WB	SW8270D	
Phenol	ND		260	120	ug/Kg	1	12/14/18	WB	SW8270D	
Pyrene	6500		260	130	ug/Kg	1	12/14/18	WB	SW8270D	
Pyridine	ND		260	93	ug/Kg	1	12/14/18	WB	SW8270D	
QA/QC Surrogates										
% 2,4,6-Tribromophenol	68				%	1	12/14/18	WB	30 - 130 %	
% 2-Fluorobiphenyl	59				%	1	12/14/18	WB	30 - 130 %	
% 2-Fluorophenol	50				%	1	12/14/18	WB	30 - 130 %	
% Nitrobenzene-d5	58				%	1	12/14/18	WB	30 - 130 %	
% Phenol-d5	58				%	1	12/14/18	WB	30 - 130 %	
% Terphenyl-d14	60				%	1	12/14/18	WB	30 - 130 %	
Field Extraction	Completed						12/12/18		SW5035A	1

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.
B = Present in blank, no bias suspected.

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.

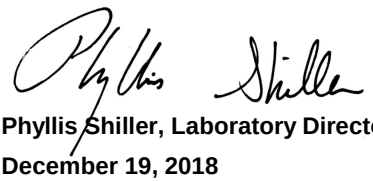
Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

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

S - Laboratory solvent, contamination is possible.

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



Phyllis Shiller, Laboratory Director
December 19, 2018
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 19, 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:	DR	12/12/18	11:45
Location Code:	EBC	Received by:	SW	12/13/18	16:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCC13976
Phoenix ID: CC13977

Project ID: 188 EAST 135TH ST BRONX NY
Client ID: SB 2 (7-9`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.40	0.40		mg/Kg	1	12/15/18	CPP	SW6010C	
Aluminum	9320	40		mg/Kg	10	12/15/18	CPP	SW6010C	
Arsenic	8.39	0.80		mg/Kg	1	12/15/18	CPP	SW6010C	
Barium	285	0.8		mg/Kg	1	12/15/18	EK	SW6010C	B
Beryllium	0.52	0.32		mg/Kg	1	12/15/18	CPP	SW6010C	
Calcium	44500	40		mg/Kg	10	12/15/18	CPP	SW6010C	
Cadmium	2.61	0.40		mg/Kg	1	12/15/18	CPP	SW6010C	
Cobalt	9.08	0.40		mg/Kg	1	12/15/18	CPP	SW6010C	
Chromium	23.2	0.40		mg/Kg	1	12/15/18	CPP	SW6010C	
Copper	159	0.8		mg/kg	1	12/15/18	CPP	SW6010C	
Iron	39300	40		mg/Kg	10	12/15/18	CPP	SW6010C	
Mercury	13.0	1.4		mg/Kg	1	12/14/18	RS	SW7471B	
Potassium	1840	8		mg/Kg	1	12/15/18	EK	SW6010C	
Magnesium	4420	4.0		mg/Kg	1	12/15/18	CPP	SW6010C	
Manganese	398	4.0		mg/Kg	10	12/15/18	CPP	SW6010C	
Sodium	396	8		mg/Kg	1	12/15/18	CPP	SW6010C	
Nickel	18.5	0.40		mg/Kg	1	12/15/18	CPP	SW6010C	
Lead	959	8.0		mg/Kg	10	12/15/18	CPP	SW6010C	
Antimony	< 4.0	4.0		mg/Kg	1	12/15/18	CPP	SW6010C	
Selenium	< 1.6	1.6		mg/Kg	1	12/15/18	CPP	SW6010C	
Thallium	< 1.6	1.6		mg/Kg	1	12/15/18	CPP	SW6010C	
Vanadium	25.3	0.40		mg/Kg	1	12/15/18	CPP	SW6010C	
Zinc	877	8.0		mg/Kg	10	12/15/18	CPP	SW6010C	
Percent Solid	84			%		12/13/18	AK	SW846-%Solid	
Soil Extraction for SVOA	Completed					12/13/18	JJ/CK	SW3545A	
Mercury Digestion	Completed					12/14/18	EV/EV	SW7471B	
Total Metals Digest	Completed					12/14/18	M/AG	SW3050B	

Project ID: 188 EAST 135TH ST BRONX NY
Client ID: SB 2 (7-9`)

Phoenix I.D.: CC13977

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		4.8	0.96	ug/Kg	1	12/15/18	JLI	SW8260C	
1,1,1-Trichloroethane	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND		4.8	0.96	ug/Kg	1	12/15/18	JLI	SW8260C	
1,1,2-Trichloroethane	ND		4.8	0.96	ug/Kg	1	12/15/18	JLI	SW8260C	
1,1-Dichloroethane	ND		4.8	0.96	ug/Kg	1	12/15/18	JLI	SW8260C	
1,1-Dichloroethene	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
1,1-Dichloropropene	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		4.8	0.96	ug/Kg	1	12/15/18	JLI	SW8260C	
1,2,3-Trichloropropane	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		4.8	0.96	ug/Kg	1	12/15/18	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		4.8	0.96	ug/Kg	1	12/15/18	JLI	SW8260C	
1,2-Dibromoethane	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
1,2-Dichlorobenzene	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
1,2-Dichloroethane	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
1,2-Dichloropropane	ND		4.8	0.96	ug/Kg	1	12/15/18	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
1,3-Dichlorobenzene	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
1,3-Dichloropropane	ND		4.8	0.96	ug/Kg	1	12/15/18	JLI	SW8260C	
1,4-Dichlorobenzene	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
2,2-Dichloropropane	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
2-Chlorotoluene	ND		4.8	0.96	ug/Kg	1	12/15/18	JLI	SW8260C	
2-Hexanone	ND		24	4.8	ug/Kg	1	12/15/18	JLI	SW8260C	
2-Isopropyltoluene	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	1
4-Chlorotoluene	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
4-Methyl-2-pentanone	ND		24	4.8	ug/Kg	1	12/15/18	JLI	SW8260C	
Acetone	23	JS	24	4.8	ug/Kg	1	12/15/18	JLI	SW8260C	
Acrylonitrile	ND		9.6	0.96	ug/Kg	1	12/15/18	JLI	SW8260C	
Benzene	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
Bromobenzene	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
Bromochloromethane	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
Bromodichloromethane	ND		4.8	0.96	ug/Kg	1	12/15/18	JLI	SW8260C	
Bromoform	ND		4.8	0.96	ug/Kg	1	12/15/18	JLI	SW8260C	
Bromomethane	ND		4.8	1.9	ug/Kg	1	12/15/18	JLI	SW8260C	
Carbon Disulfide	ND		4.8	0.96	ug/Kg	1	12/15/18	JLI	SW8260C	
Carbon tetrachloride	ND		4.8	0.96	ug/Kg	1	12/15/18	JLI	SW8260C	
Chlorobenzene	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
Chloroethane	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
Chloroform	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
Chloromethane	ND		4.8	0.96	ug/Kg	1	12/15/18	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
Dibromochloromethane	ND		4.8	0.96	ug/Kg	1	12/15/18	JLI	SW8260C	
Dibromomethane	ND		4.8	0.96	ug/Kg	1	12/15/18	JLI	SW8260C	
Dichlorodifluoromethane	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
Ethylbenzene	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
Hexachlorobutadiene	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
Isopropylbenzene	ND		4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	

Project ID: 188 EAST 135TH ST BRONX NY
Client ID: SB 2 (7-9`)

Phoenix I.D.: CC13977

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
m&p-Xylene	ND	4.8	0.96	ug/Kg	1	12/15/18	JLI	SW8260C	
Methyl Ethyl Ketone	ND	29	4.8	ug/Kg	1	12/15/18	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	9.6	0.96	ug/Kg	1	12/15/18	JLI	SW8260C	
Methylene chloride	ND	4.8	4.8	ug/Kg	1	12/15/18	JLI	SW8260C	
Naphthalene	ND	4.8	0.96	ug/Kg	1	12/15/18	JLI	SW8260C	
n-Butylbenzene	ND	4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
n-Propylbenzene	ND	4.8	0.96	ug/Kg	1	12/15/18	JLI	SW8260C	
o-Xylene	ND	4.8	0.96	ug/Kg	1	12/15/18	JLI	SW8260C	
p-Isopropyltoluene	ND	4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
sec-Butylbenzene	ND	4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
Styrene	ND	4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
tert-Butylbenzene	ND	4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
Tetrachloroethene	ND	4.8	0.96	ug/Kg	1	12/15/18	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	9.6	2.4	ug/Kg	1	12/15/18	JLI	SW8260C	1
Toluene	ND	4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	9.6	2.4	ug/Kg	1	12/15/18	JLI	SW8260C	
Trichloroethene	ND	4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
Trichlorofluoromethane	ND	4.8	0.96	ug/Kg	1	12/15/18	JLI	SW8260C	
Trichlorotrifluoroethane	ND	4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
Vinyl chloride	ND	4.8	0.48	ug/Kg	1	12/15/18	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100			%	1	12/15/18	JLI	70 - 130 %	
% Bromofluorobenzene	95			%	1	12/15/18	JLI	70 - 130 %	
% Dibromofluoromethane	95			%	1	12/15/18	JLI	70 - 130 %	
% Toluene-d8	100			%	1	12/15/18	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	72		ug/kg	1	12/15/18	JLI	SW8260C	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	19		ug/Kg	1	12/15/18	JLI	SW8260C	
Acrolein	ND	4.8		ug/Kg	1	12/15/18	JLI	SW8260C	
Acrylonitrile	ND	19		ug/Kg	1	12/15/18	JLI	SW8260C	
Tert-butyl alcohol	ND	96		ug/Kg	1	12/15/18	JLI	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	270	140	ug/Kg	1	12/14/18	WB	SW8270D	
1,2,4-Trichlorobenzene	ND	270	120	ug/Kg	1	12/14/18	WB	SW8270D	
1,2-Dichlorobenzene	ND	270	110	ug/Kg	1	12/14/18	WB	SW8270D	
1,2-Diphenylhydrazine	ND	270	130	ug/Kg	1	12/14/18	WB	SW8270D	
1,3-Dichlorobenzene	ND	270	110	ug/Kg	1	12/14/18	WB	SW8270D	
1,4-Dichlorobenzene	ND	270	110	ug/Kg	1	12/14/18	WB	SW8270D	
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	1	12/14/18	WB	SW8270D	
2,4,6-Trichlorophenol	ND	190	120	ug/Kg	1	12/14/18	WB	SW8270D	
2,4-Dichlorophenol	ND	190	140	ug/Kg	1	12/14/18	WB	SW8270D	
2,4-Dimethylphenol	ND	270	96	ug/Kg	1	12/14/18	WB	SW8270D	
2,4-Dinitrophenol	ND	270	270	ug/Kg	1	12/14/18	WB	SW8270D	
2,4-Dinitrotoluene	ND	190	150	ug/Kg	1	12/14/18	WB	SW8270D	

Project ID: 188 EAST 135TH ST BRONX NY
Client ID: SB 2 (7-9`)

Phoenix I.D.: CC13977

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,6-Dinitrotoluene	ND	190	120	ug/Kg	1	12/14/18	WB	SW8270D	
2-Chloronaphthalene	ND	270	110	ug/Kg	1	12/14/18	WB	SW8270D	
2-Chlorophenol	ND	270	110	ug/Kg	1	12/14/18	WB	SW8270D	
2-Methylnaphthalene	ND	270	120	ug/Kg	1	12/14/18	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	270	180	ug/Kg	1	12/14/18	WB	SW8270D	
2-Nitroaniline	ND	270	270	ug/Kg	1	12/14/18	WB	SW8270D	
2-Nitrophenol	ND	270	250	ug/Kg	1	12/14/18	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	270	150	ug/Kg	1	12/14/18	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	190	180	ug/Kg	1	12/14/18	WB	SW8270D	
3-Nitroaniline	ND	390	770	ug/Kg	1	12/14/18	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	230	77	ug/Kg	1	12/14/18	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	270	110	ug/Kg	1	12/14/18	WB	SW8270D	
4-Chloro-3-methylphenol	ND	270	140	ug/Kg	1	12/14/18	WB	SW8270D	
4-Chloroaniline	ND	310	180	ug/Kg	1	12/14/18	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	270	130	ug/Kg	1	12/14/18	WB	SW8270D	
4-Nitroaniline	ND	390	130	ug/Kg	1	12/14/18	WB	SW8270D	
4-Nitrophenol	ND	390	170	ug/Kg	1	12/14/18	WB	SW8270D	
Acenaphthene	ND	270	120	ug/Kg	1	12/14/18	WB	SW8270D	
Acenaphthylene	ND	270	110	ug/Kg	1	12/14/18	WB	SW8270D	
Acetophenone	ND	270	120	ug/Kg	1	12/14/18	WB	SW8270D	
Aniline	ND	310	310	ug/Kg	1	12/14/18	WB	SW8270D	
Anthracene	ND	270	130	ug/Kg	1	12/14/18	WB	SW8270D	
Benz(a)anthracene	ND	270	130	ug/Kg	1	12/14/18	WB	SW8270D	
Benzidine	ND	390	230	ug/Kg	1	12/14/18	WB	SW8270D	
Benzo(a)pyrene	ND	190	130	ug/Kg	1	12/14/18	WB	SW8270D	
Benzo(b)fluoranthene	ND	270	130	ug/Kg	1	12/14/18	WB	SW8270D	
Benzo(ghi)perylene	ND	270	130	ug/Kg	1	12/14/18	WB	SW8270D	
Benzo(k)fluoranthene	ND	270	130	ug/Kg	1	12/14/18	WB	SW8270D	
Benzoic acid	ND	1900	770	ug/Kg	1	12/14/18	WB	SW8270D	
Benzyl butyl phthalate	ND	270	100	ug/Kg	1	12/14/18	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	270	110	ug/Kg	1	12/14/18	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	190	100	ug/Kg	1	12/14/18	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	270	110	ug/Kg	1	12/14/18	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	270	110	ug/Kg	1	12/14/18	WB	SW8270D	
Carbazole	ND	190	150	ug/Kg	1	12/14/18	WB	SW8270D	
Chrysene	ND	270	130	ug/Kg	1	12/14/18	WB	SW8270D	
Dibenz(a,h)anthracene	ND	190	130	ug/Kg	1	12/14/18	WB	SW8270D	
Dibenzofuran	ND	270	110	ug/Kg	1	12/14/18	WB	SW8270D	
Diethyl phthalate	ND	270	120	ug/Kg	1	12/14/18	WB	SW8270D	
Dimethylphthalate	ND	270	120	ug/Kg	1	12/14/18	WB	SW8270D	
Di-n-butylphthalate	ND	270	100	ug/Kg	1	12/14/18	WB	SW8270D	
Di-n-octylphthalate	ND	270	100	ug/Kg	1	12/14/18	WB	SW8270D	
Fluoranthene	320	270	130	ug/Kg	1	12/14/18	WB	SW8270D	
Fluorene	ND	270	130	ug/Kg	1	12/14/18	WB	SW8270D	
Hexachlorobenzene	ND	190	110	ug/Kg	1	12/14/18	WB	SW8270D	
Hexachlorobutadiene	ND	270	140	ug/Kg	1	12/14/18	WB	SW8270D	
Hexachlorocyclopentadiene	ND	270	120	ug/Kg	1	12/14/18	WB	SW8270D	
Hexachloroethane	ND	190	120	ug/Kg	1	12/14/18	WB	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	270	130	ug/Kg	1	12/14/18	WB	SW8270D	

Project ID: 188 EAST 135TH ST BRONX NY
Client ID: SB 2 (7-9`)

Phoenix I.D.: CC13977

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Isophorone	ND	190	110	ug/Kg	1	12/14/18	WB	SW8270D	
Naphthalene	ND	270	110	ug/Kg	1	12/14/18	WB	SW8270D	
Nitrobenzene	ND	190	140	ug/Kg	1	12/14/18	WB	SW8270D	
N-Nitrosodimethylamine	ND	270	110	ug/Kg	1	12/14/18	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND	190	130	ug/Kg	1	12/14/18	WB	SW8270D	
N-Nitrosodiphenylamine	ND	270	150	ug/Kg	1	12/14/18	WB	SW8270D	
Pentachloronitrobenzene	ND	270	140	ug/Kg	1	12/14/18	WB	SW8270D	
Pentachlorophenol	ND	230	150	ug/Kg	1	12/14/18	WB	SW8270D	
Phenanthrene	300	270	110	ug/Kg	1	12/14/18	WB	SW8270D	
Phenol	ND	270	120	ug/Kg	1	12/14/18	WB	SW8270D	
Pyrene	ND	270	130	ug/Kg	1	12/14/18	WB	SW8270D	
Pyridine	ND	270	95	ug/Kg	1	12/14/18	WB	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	73			%	1	12/14/18	WB	30 - 130 %	
% 2-Fluorobiphenyl	63			%	1	12/14/18	WB	30 - 130 %	
% 2-Fluorophenol	50			%	1	12/14/18	WB	30 - 130 %	
% Nitrobenzene-d5	60			%	1	12/14/18	WB	30 - 130 %	
% Phenol-d5	61			%	1	12/14/18	WB	30 - 130 %	
% Terphenyl-d14	65			%	1	12/14/18	WB	30 - 130 %	
Field Extraction	Completed					12/12/18		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.
B = Present in blank, no bias suspected.

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:

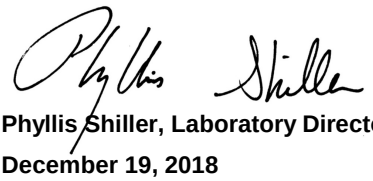
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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.



Phyllis Shiller, Laboratory Director
December 19, 2018
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 19, 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:	DR	12/12/18	10:30
Location Code:	EBC	Received by:	SW	12/13/18	16:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCC13976
Phoenix ID: CC13978

Project ID: 188 EAST 135TH ST BRONX NY
Client ID: SB 3 (7-9`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.37	0.37		mg/Kg	1	12/15/18	CPP	SW6010C	
Aluminum	9190	37		mg/Kg	10	12/15/18	CPP	SW6010C	
Arsenic	8.23	0.74		mg/Kg	1	12/15/18	CPP	SW6010C	
Barium	203	0.7		mg/Kg	1	12/15/18	EK	SW6010C	B
Beryllium	0.56	0.29		mg/Kg	1	12/15/18	CPP	SW6010C	
Calcium	6280	3.7		mg/Kg	1	12/15/18	CPP	SW6010C	
Cadmium	0.90	0.37		mg/Kg	1	12/15/18	CPP	SW6010C	
Cobalt	8.51	0.37		mg/Kg	1	12/15/18	CPP	SW6010C	
Chromium	34.8	0.37		mg/Kg	1	12/15/18	CPP	SW6010C	
Copper	63.9	0.7		mg/kg	1	12/15/18	CPP	SW6010C	
Iron	25000	37		mg/Kg	10	12/15/18	CPP	SW6010C	
Mercury	0.53	0.14		mg/Kg	1	12/14/18	RS	SW7471B	
Potassium	1310	7		mg/Kg	1	12/15/18	EK	SW6010C	
Magnesium	3000	3.7		mg/Kg	1	12/15/18	CPP	SW6010C	
Manganese	228	3.7		mg/Kg	10	12/15/18	CPP	SW6010C	
Sodium	375	7		mg/Kg	1	12/15/18	CPP	SW6010C	
Nickel	43.2	0.37		mg/Kg	1	12/15/18	CPP	SW6010C	
Lead	382	7.4		mg/Kg	10	12/15/18	CPP	SW6010C	
Antimony	< 3.7	3.7		mg/Kg	1	12/15/18	CPP	SW6010C	
Selenium	< 1.5	1.5		mg/Kg	1	12/15/18	CPP	SW6010C	
Thallium	< 1.5	1.5		mg/Kg	1	12/15/18	CPP	SW6010C	
Vanadium	23.5	0.37		mg/Kg	1	12/15/18	CPP	SW6010C	
Zinc	195	7.4		mg/Kg	10	12/15/18	CPP	SW6010C	
Percent Solid	87			%		12/13/18	AK	SW846-%Solid	
Soil Extraction for SVOA	Completed					12/13/18	JJ/CK	SW3545A	
Mercury Digestion	Completed					12/14/18	EV/EV	SW7471B	
Total Metals Digest	Completed					12/14/18	M/AG	SW3050B	

Ver 1

Project ID: 188 EAST 135TH ST BRONX NY
Client ID: SB 3 (7-9`)

Phoenix I.D.: CC13978

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		6.3	1.3	ug/Kg	1	12/15/18	JLI	SW8260C	
1,1,1-Trichloroethane	ND		6.3	0.63	ug/Kg	1	12/15/18	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND		320	64	ug/Kg	50	12/15/18	JLI	SW8260C	
1,1,2-Trichloroethane	ND		6.3	1.3	ug/Kg	1	12/15/18	JLI	SW8260C	
1,1-Dichloroethane	ND		6.3	1.3	ug/Kg	1	12/15/18	JLI	SW8260C	
1,1-Dichloroethene	ND		6.3	0.63	ug/Kg	1	12/15/18	JLI	SW8260C	
1,1-Dichloropropene	ND		6.3	0.63	ug/Kg	1	12/15/18	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		320	64	ug/Kg	50	12/15/18	JLI	SW8260C	
1,2,3-Trichloropropane	ND		320	32	ug/Kg	50	12/15/18	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		320	64	ug/Kg	50	12/15/18	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND		320	32	ug/Kg	50	12/15/18	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		320	64	ug/Kg	50	12/15/18	JLI	SW8260C	
1,2-Dibromoethane	ND		6.3	0.63	ug/Kg	1	12/15/18	JLI	SW8260C	
1,2-Dichlorobenzene	ND		320	32	ug/Kg	50	12/15/18	JLI	SW8260C	
1,2-Dichloroethane	ND		6.3	0.63	ug/Kg	1	12/15/18	JLI	SW8260C	
1,2-Dichloropropane	ND		6.3	1.3	ug/Kg	1	12/15/18	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND		320	32	ug/Kg	50	12/15/18	JLI	SW8260C	
1,3-Dichlorobenzene	ND		320	32	ug/Kg	50	12/15/18	JLI	SW8260C	
1,3-Dichloropropane	ND		6.3	1.3	ug/Kg	1	12/15/18	JLI	SW8260C	
1,4-Dichlorobenzene	ND		320	32	ug/Kg	50	12/15/18	JLI	SW8260C	
2,2-Dichloropropane	ND		6.3	0.63	ug/Kg	1	12/15/18	JLI	SW8260C	
2-Chlorotoluene	ND		320	64	ug/Kg	50	12/15/18	JLI	SW8260C	
2-Hexanone	ND		31	6.3	ug/Kg	1	12/15/18	JLI	SW8260C	
2-Isopropyltoluene	ND		320	32	ug/Kg	50	12/15/18	JLI	SW8260C	1
4-Chlorotoluene	ND		320	32	ug/Kg	50	12/15/18	JLI	SW8260C	
4-Methyl-2-pentanone	ND		31	6.3	ug/Kg	1	12/15/18	JLI	SW8260C	
Acetone	23	JS	31	6.3	ug/Kg	1	12/15/18	JLI	SW8260C	
Acrylonitrile	ND		13	1.3	ug/Kg	1	12/15/18	JLI	SW8260C	
Benzene	ND		6.3	0.63	ug/Kg	1	12/15/18	JLI	SW8260C	
Bromobenzene	ND		320	32	ug/Kg	50	12/15/18	JLI	SW8260C	
Bromochloromethane	ND		6.3	0.63	ug/Kg	1	12/15/18	JLI	SW8260C	
Bromodichloromethane	ND		6.3	1.3	ug/Kg	1	12/15/18	JLI	SW8260C	
Bromoform	ND		6.3	1.3	ug/Kg	1	12/15/18	JLI	SW8260C	
Bromomethane	ND		6.3	2.5	ug/Kg	1	12/15/18	JLI	SW8260C	
Carbon Disulfide	ND		6.3	1.3	ug/Kg	1	12/15/18	JLI	SW8260C	
Carbon tetrachloride	ND		6.3	1.3	ug/Kg	1	12/15/18	JLI	SW8260C	
Chlorobenzene	ND		6.3	0.63	ug/Kg	1	12/15/18	JLI	SW8260C	
Chloroethane	ND		6.3	0.63	ug/Kg	1	12/15/18	JLI	SW8260C	
Chloroform	ND		6.3	0.63	ug/Kg	1	12/15/18	JLI	SW8260C	
Chloromethane	ND		6.3	1.3	ug/Kg	1	12/15/18	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		6.3	0.63	ug/Kg	1	12/15/18	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		6.3	0.63	ug/Kg	1	12/15/18	JLI	SW8260C	
Dibromochloromethane	ND		6.3	1.3	ug/Kg	1	12/15/18	JLI	SW8260C	
Dibromomethane	ND		6.3	1.3	ug/Kg	1	12/15/18	JLI	SW8260C	
Dichlorodifluoromethane	ND		6.3	0.63	ug/Kg	1	12/15/18	JLI	SW8260C	
Ethylbenzene	ND		6.3	0.63	ug/Kg	1	12/15/18	JLI	SW8260C	
Hexachlorobutadiene	ND		320	32	ug/Kg	50	12/15/18	JLI	SW8260C	
Isopropylbenzene	ND		320	32	ug/Kg	50	12/15/18	JLI	SW8260C	

Project ID: 188 EAST 135TH ST BRONX NY
Client ID: SB 3 (7-9`)

Phoenix I.D.: CC13978

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
m&p-Xylene	ND		6.3	1.3	ug/Kg	1	12/15/18	JLI	SW8260C	
Methyl Ethyl Ketone	ND		38	6.3	ug/Kg	1	12/15/18	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		13	1.3	ug/Kg	1	12/15/18	JLI	SW8260C	
Methylene chloride	ND		6.3	6.3	ug/Kg	1	12/15/18	JLI	SW8260C	
Naphthalene	71	J	320	64	ug/Kg	50	12/15/18	JLI	SW8260C	
n-Butylbenzene	ND		320	32	ug/Kg	50	12/15/18	JLI	SW8260C	
n-Propylbenzene	ND		320	64	ug/Kg	50	12/15/18	JLI	SW8260C	
o-Xylene	ND		6.3	1.3	ug/Kg	1	12/15/18	JLI	SW8260C	
p-Isopropyltoluene	ND		320	32	ug/Kg	50	12/15/18	JLI	SW8260C	
sec-Butylbenzene	ND		320	32	ug/Kg	50	12/15/18	JLI	SW8260C	
Styrene	ND		6.3	0.63	ug/Kg	1	12/15/18	JLI	SW8260C	
tert-Butylbenzene	ND		320	32	ug/Kg	50	12/15/18	JLI	SW8260C	
Tetrachloroethene	ND		6.3	1.3	ug/Kg	1	12/15/18	JLI	SW8260C	
Tetrahydrofuran (THF)	ND		13	3.1	ug/Kg	1	12/15/18	JLI	SW8260C	1
Toluene	ND		6.3	0.63	ug/Kg	1	12/15/18	JLI	SW8260C	
trans-1,2-Dichloroethene	ND		6.3	0.63	ug/Kg	1	12/15/18	JLI	SW8260C	
trans-1,3-Dichloropropene	ND		6.3	0.63	ug/Kg	1	12/15/18	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND		640	160	ug/Kg	50	12/15/18	JLI	SW8260C	
Trichloroethene	ND		6.3	0.63	ug/Kg	1	12/15/18	JLI	SW8260C	
Trichlorofluoromethane	ND		6.3	1.3	ug/Kg	1	12/15/18	JLI	SW8260C	
Trichlorotrifluoroethane	ND		6.3	0.63	ug/Kg	1	12/15/18	JLI	SW8260C	
Vinyl chloride	ND		6.3	0.63	ug/Kg	1	12/15/18	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	100				%	50	12/15/18	JLI	70 - 130 %	
% Bromofluorobenzene	99				%	50	12/15/18	JLI	70 - 130 %	
% Dibromofluoromethane	98				%	1	12/15/18	JLI	70 - 130 %	
% Toluene-d8	95				%	1	12/15/18	JLI	70 - 130 %	
1,4-dioxane										
1,4-dioxane	ND		94		ug/kg	1	12/15/18	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	105				%	1	12/15/18	JLI	70 - 130 %	
% Bromofluorobenzene	82				%	1	12/15/18	JLI	70 - 130 %	
% Toluene-d8	95				%	1	12/15/18	JLI	70 - 130 %	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		25		ug/Kg	1	12/15/18	JLI	SW8260C	
Acrolein	ND		6.3		ug/Kg	1	12/15/18	JLI	SW8260C	
Acrylonitrile	ND		25		ug/Kg	1	12/15/18	JLI	SW8260C	
Tert-butyl alcohol	ND		130		ug/Kg	1	12/15/18	JLI	SW8260C	
Semivolatiles										
1,2,4,5-Tetrachlorobenzene	ND		260	130	ug/Kg	1	12/14/18	WB	SW8270D	
1,2,4-Trichlorobenzene	ND		260	110	ug/Kg	1	12/14/18	WB	SW8270D	
1,2-Dichlorobenzene	ND		260	110	ug/Kg	1	12/14/18	WB	SW8270D	
1,2-Diphenylhydrazine	ND		260	120	ug/Kg	1	12/14/18	WB	SW8270D	
1,3-Dichlorobenzene	ND		260	110	ug/Kg	1	12/14/18	WB	SW8270D	
1,4-Dichlorobenzene	ND		260	110	ug/Kg	1	12/14/18	WB	SW8270D	
2,4,5-Trichlorophenol	ND		260	210	ug/Kg	1	12/14/18	WB	SW8270D	
2,4,6-Trichlorophenol	ND		190	120	ug/Kg	1	12/14/18	WB	SW8270D	

Project ID: 188 EAST 135TH ST BRONX NY
Client ID: SB 3 (7-9`)

Phoenix I.D.: CC13978

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dichlorophenol	ND		190	130	ug/Kg	1	12/14/18	WB	SW8270D	
2,4-Dimethylphenol	ND		260	93	ug/Kg	1	12/14/18	WB	SW8270D	
2,4-Dinitrophenol	ND		260	260	ug/Kg	1	12/14/18	WB	SW8270D	
2,4-Dinitrotoluene	ND		190	150	ug/Kg	1	12/14/18	WB	SW8270D	
2,6-Dinitrotoluene	ND		190	120	ug/Kg	1	12/14/18	WB	SW8270D	
2-Chloronaphthalene	ND		260	110	ug/Kg	1	12/14/18	WB	SW8270D	
2-Chlorophenol	ND		260	110	ug/Kg	1	12/14/18	WB	SW8270D	
2-Methylnaphthalene	ND		260	110	ug/Kg	1	12/14/18	WB	SW8270D	
2-Methylphenol (o-cresol)	ND		260	180	ug/Kg	1	12/14/18	WB	SW8270D	
2-Nitroaniline	ND		260	260	ug/Kg	1	12/14/18	WB	SW8270D	
2-Nitrophenol	ND		260	240	ug/Kg	1	12/14/18	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		260	150	ug/Kg	1	12/14/18	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND		190	180	ug/Kg	1	12/14/18	WB	SW8270D	
3-Nitroaniline	ND		380	750	ug/Kg	1	12/14/18	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND		230	75	ug/Kg	1	12/14/18	WB	SW8270D	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	1	12/14/18	WB	SW8270D	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	1	12/14/18	WB	SW8270D	
4-Chloroaniline	ND		300	180	ug/Kg	1	12/14/18	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND		260	130	ug/Kg	1	12/14/18	WB	SW8270D	
4-Nitroaniline	ND		380	130	ug/Kg	1	12/14/18	WB	SW8270D	
4-Nitrophenol	ND		380	170	ug/Kg	1	12/14/18	WB	SW8270D	
Acenaphthene	ND		260	110	ug/Kg	1	12/14/18	WB	SW8270D	
Acenaphthylene	ND		260	110	ug/Kg	1	12/14/18	WB	SW8270D	
Acetophenone	ND		260	120	ug/Kg	1	12/14/18	WB	SW8270D	
Aniline	ND		300	300	ug/Kg	1	12/14/18	WB	SW8270D	
Anthracene	140	J	260	120	ug/Kg	1	12/14/18	WB	SW8270D	
Benz(a)anthracene	430		260	130	ug/Kg	1	12/14/18	WB	SW8270D	
Benzidine	ND		380	220	ug/Kg	1	12/14/18	WB	SW8270D	
Benzo(a)pyrene	470		190	120	ug/Kg	1	12/14/18	WB	SW8270D	
Benzo(b)fluoranthene	400		260	130	ug/Kg	1	12/14/18	WB	SW8270D	
Benzo(ghi)perylene	330		260	120	ug/Kg	1	12/14/18	WB	SW8270D	
Benzo(k)fluoranthene	380		260	120	ug/Kg	1	12/14/18	WB	SW8270D	
Benzoic acid	ND		1900	750	ug/Kg	1	12/14/18	WB	SW8270D	
Benzyl butyl phthalate	ND		260	97	ug/Kg	1	12/14/18	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	1	12/14/18	WB	SW8270D	
Bis(2-chloroethyl)ether	ND		190	100	ug/Kg	1	12/14/18	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	1	12/14/18	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND		260	110	ug/Kg	1	12/14/18	WB	SW8270D	
Carbazole	ND		190	150	ug/Kg	1	12/14/18	WB	SW8270D	
Chrysene	450		260	130	ug/Kg	1	12/14/18	WB	SW8270D	
Dibenz(a,h)anthracene	ND		190	120	ug/Kg	1	12/14/18	WB	SW8270D	
Dibenzofuran	ND		260	110	ug/Kg	1	12/14/18	WB	SW8270D	
Diethyl phthalate	ND		260	120	ug/Kg	1	12/14/18	WB	SW8270D	
Dimethylphthalate	ND		260	120	ug/Kg	1	12/14/18	WB	SW8270D	
Di-n-butylphthalate	ND		260	100	ug/Kg	1	12/14/18	WB	SW8270D	
Di-n-octylphthalate	ND		260	97	ug/Kg	1	12/14/18	WB	SW8270D	
Fluoranthene	780		260	120	ug/Kg	1	12/14/18	WB	SW8270D	
Fluorene	ND		260	120	ug/Kg	1	12/14/18	WB	SW8270D	
Hexachlorobenzene	ND		190	110	ug/Kg	1	12/14/18	WB	SW8270D	

Project ID: 188 EAST 135TH ST BRONX NY
Client ID: SB 3 (7-9`)

Phoenix I.D.: CC13978

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Hexachlorobutadiene	ND	260	140	ug/Kg	1	12/14/18	WB	SW8270D	
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	12/14/18	WB	SW8270D	
Hexachloroethane	ND	190	110	ug/Kg	1	12/14/18	WB	SW8270D	
Indeno(1,2,3-cd)pyrene	330	260	120	ug/Kg	1	12/14/18	WB	SW8270D	
Isophorone	ND	190	110	ug/Kg	1	12/14/18	WB	SW8270D	
Naphthalene	ND	260	110	ug/Kg	1	12/14/18	WB	SW8270D	
Nitrobenzene	ND	190	130	ug/Kg	1	12/14/18	WB	SW8270D	
N-Nitrosodimethylamine	ND	260	110	ug/Kg	1	12/14/18	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND	190	120	ug/Kg	1	12/14/18	WB	SW8270D	
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	1	12/14/18	WB	SW8270D	
Pentachloronitrobenzene	ND	260	140	ug/Kg	1	12/14/18	WB	SW8270D	
Pentachlorophenol	ND	230	140	ug/Kg	1	12/14/18	WB	SW8270D	
Phenanthrene	520	260	110	ug/Kg	1	12/14/18	WB	SW8270D	
Phenol	ND	260	120	ug/Kg	1	12/14/18	WB	SW8270D	
Pyrene	740	260	130	ug/Kg	1	12/14/18	WB	SW8270D	
Pyridine	ND	260	92	ug/Kg	1	12/14/18	WB	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	79			%	1	12/14/18	WB	30 - 130 %	
% 2-Fluorobiphenyl	61			%	1	12/14/18	WB	30 - 130 %	
% 2-Fluorophenol	55			%	1	12/14/18	WB	30 - 130 %	
% Nitrobenzene-d5	57			%	1	12/14/18	WB	30 - 130 %	
% Phenol-d5	61			%	1	12/14/18	WB	30 - 130 %	
% Terphenyl-d14	60			%	1	12/14/18	WB	30 - 130 %	
Field Extraction	Completed					12/12/18		SW5035A	1

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.
B = Present in blank, no bias suspected.

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.

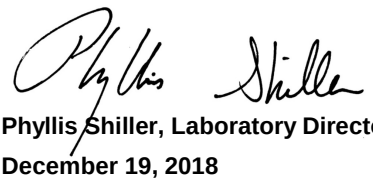
Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

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

S - Laboratory solvent, contamination is possible.

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



Phyllis Shiller, Laboratory Director
December 19, 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

December 19, 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:	DR	12/12/18	9:45
Location Code:	EBC	Received by:	SW	12/13/18	16:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCC13976
Phoenix ID: CC13979

Project ID: 188 EAST 135TH ST BRONX NY
Client ID: SB 4 (8-10`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.38	0.38		mg/Kg	1	12/15/18	CPP	SW6010C	
Aluminum	9910	38		mg/Kg	10	12/15/18	CPP	SW6010C	
Arsenic	5.21	0.76		mg/Kg	1	12/15/18	CPP	SW6010C	
Barium	71.1	0.8		mg/Kg	1	12/15/18	EK	SW6010C	B
Beryllium	0.49	0.30		mg/Kg	1	12/15/18	CPP	SW6010C	
Calcium	1540	3.8		mg/Kg	1	12/15/18	CPP	SW6010C	
Cadmium	0.43	0.38		mg/Kg	1	12/15/18	CPP	SW6010C	
Cobalt	10.7	0.38		mg/Kg	1	12/15/18	CPP	SW6010C	
Chromium	17.4	0.38		mg/Kg	1	12/15/18	CPP	SW6010C	
Copper	26.8	0.8		mg/kg	1	12/15/18	CPP	SW6010C	
Iron	20000	38		mg/Kg	10	12/15/18	CPP	SW6010C	
Mercury	0.24	0.13		mg/Kg	1	12/14/18	RS	SW7471B	
Potassium	2030	8		mg/Kg	1	12/15/18	EK	SW6010C	
Magnesium	2980	3.8		mg/Kg	1	12/15/18	CPP	SW6010C	
Manganese	293	3.8		mg/Kg	10	12/15/18	CPP	SW6010C	
Sodium	125	8		mg/Kg	1	12/15/18	CPP	SW6010C	
Nickel	16.3	0.38		mg/Kg	1	12/15/18	CPP	SW6010C	
Lead	62.6	0.8		mg/Kg	1	12/15/18	CPP	SW6010C	
Antimony	< 3.8	3.8		mg/Kg	1	12/15/18	CPP	SW6010C	
Selenium	< 1.5	1.5		mg/Kg	1	12/15/18	CPP	SW6010C	
Thallium	< 1.5	1.5		mg/Kg	1	12/15/18	CPP	SW6010C	
Vanadium	26.3	0.38		mg/Kg	1	12/15/18	CPP	SW6010C	
Zinc	85.6	0.8		mg/Kg	1	12/15/18	CPP	SW6010C	
Percent Solid	90			%		12/13/18	AK	SW846-%Solid	
Soil Extraction for SVOA	Completed					12/13/18	JJ/CK	SW3545A	
Mercury Digestion	Completed					12/14/18	EV/EV	SW7471B	
Total Metals Digest	Completed					12/14/18	M/AG	SW3050B	

Project ID: 188 EAST 135TH ST BRONX NY
Client ID: SB 4 (8-10`)

Phoenix I.D.: CC13979

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		5.7	1.1	ug/Kg	1	12/15/18	JLI	SW8260C	
1,1,1-Trichloroethane	ND		5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND		5.7	1.1	ug/Kg	1	12/15/18	JLI	SW8260C	
1,1,2-Trichloroethane	ND		5.7	1.1	ug/Kg	1	12/15/18	JLI	SW8260C	
1,1-Dichloroethane	ND		5.7	1.1	ug/Kg	1	12/15/18	JLI	SW8260C	
1,1-Dichloroethene	ND		5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	
1,1-Dichloropropene	ND		5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		5.7	1.1	ug/Kg	1	12/15/18	JLI	SW8260C	
1,2,3-Trichloropropane	ND		5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		5.7	1.1	ug/Kg	1	12/15/18	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND		5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		5.7	1.1	ug/Kg	1	12/15/18	JLI	SW8260C	
1,2-Dibromoethane	ND		5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	
1,2-Dichlorobenzene	ND		5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	
1,2-Dichloroethane	ND		5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	
1,2-Dichloropropane	ND		5.7	1.1	ug/Kg	1	12/15/18	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND		5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	
1,3-Dichlorobenzene	ND		5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	
1,3-Dichloropropane	ND		5.7	1.1	ug/Kg	1	12/15/18	JLI	SW8260C	
1,4-Dichlorobenzene	ND		5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	
2,2-Dichloropropane	ND		5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	
2-Chlorotoluene	ND		5.7	1.1	ug/Kg	1	12/15/18	JLI	SW8260C	
2-Hexanone	ND		28	5.7	ug/Kg	1	12/15/18	JLI	SW8260C	
2-Isopropyltoluene	ND		5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	1
4-Chlorotoluene	ND		5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	
4-Methyl-2-pentanone	ND		28	5.7	ug/Kg	1	12/15/18	JLI	SW8260C	
Acetone	10	JS	28	5.7	ug/Kg	1	12/15/18	JLI	SW8260C	
Acrylonitrile	ND		11	1.1	ug/Kg	1	12/15/18	JLI	SW8260C	
Benzene	ND		5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	
Bromobenzene	ND		5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	
Bromochloromethane	ND		5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	
Bromodichloromethane	ND		5.7	1.1	ug/Kg	1	12/15/18	JLI	SW8260C	
Bromoform	ND		5.7	1.1	ug/Kg	1	12/15/18	JLI	SW8260C	
Bromomethane	ND		5.7	2.3	ug/Kg	1	12/15/18	JLI	SW8260C	
Carbon Disulfide	ND		5.7	1.1	ug/Kg	1	12/15/18	JLI	SW8260C	
Carbon tetrachloride	ND		5.7	1.1	ug/Kg	1	12/15/18	JLI	SW8260C	
Chlorobenzene	ND		5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	
Chloroethane	ND		5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	
Chloroform	ND		5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	
Chloromethane	ND		5.7	1.1	ug/Kg	1	12/15/18	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	
Dibromochloromethane	ND		5.7	1.1	ug/Kg	1	12/15/18	JLI	SW8260C	
Dibromomethane	ND		5.7	1.1	ug/Kg	1	12/15/18	JLI	SW8260C	
Dichlorodifluoromethane	ND		5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	
Ethylbenzene	ND		5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	
Hexachlorobutadiene	ND		5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	
Isopropylbenzene	ND		5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	

Project ID: 188 EAST 135TH ST BRONX NY
Client ID: SB 4 (8-10`)

Phoenix I.D.: CC13979

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
m&p-Xylene	ND	5.7	1.1	ug/Kg	1	12/15/18	JLI	SW8260C	
Methyl Ethyl Ketone	ND	34	5.7	ug/Kg	1	12/15/18	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	11	1.1	ug/Kg	1	12/15/18	JLI	SW8260C	
Methylene chloride	ND	5.7	5.7	ug/Kg	1	12/15/18	JLI	SW8260C	
Naphthalene	ND	5.7	1.1	ug/Kg	1	12/15/18	JLI	SW8260C	
n-Butylbenzene	ND	5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	
n-Propylbenzene	ND	5.7	1.1	ug/Kg	1	12/15/18	JLI	SW8260C	
o-Xylene	ND	5.7	1.1	ug/Kg	1	12/15/18	JLI	SW8260C	
p-Isopropyltoluene	ND	5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	
sec-Butylbenzene	ND	5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	
Styrene	ND	5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	
tert-Butylbenzene	ND	5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	
Tetrachloroethene	ND	5.7	1.1	ug/Kg	1	12/15/18	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	11	2.8	ug/Kg	1	12/15/18	JLI	SW8260C	1
Toluene	ND	5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	11	2.8	ug/Kg	1	12/15/18	JLI	SW8260C	
Trichloroethene	ND	5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	
Trichlorofluoromethane	ND	5.7	1.1	ug/Kg	1	12/15/18	JLI	SW8260C	
Trichlorotrifluoroethane	ND	5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	
Vinyl chloride	ND	5.7	0.57	ug/Kg	1	12/15/18	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	112			%	1	12/15/18	JLI	70 - 130 %	
% Bromofluorobenzene	90			%	1	12/15/18	JLI	70 - 130 %	
% Dibromofluoromethane	94			%	1	12/15/18	JLI	70 - 130 %	
% Toluene-d8	98			%	1	12/15/18	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	85		ug/kg	1	12/15/18	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	112			%	1	12/15/18	JLI	70 - 130 %	
% Bromofluorobenzene	90			%	1	12/15/18	JLI	70 - 130 %	
% Toluene-d8	98			%	1	12/15/18	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	23		ug/Kg	1	12/15/18	JLI	SW8260C	
Acrolein	ND	5.7		ug/Kg	1	12/15/18	JLI	SW8260C	
Acrylonitrile	ND	23		ug/Kg	1	12/15/18	JLI	SW8260C	
Tert-butyl alcohol	ND	110		ug/Kg	1	12/15/18	JLI	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	12/14/18	WB	SW8270D	
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	1	12/14/18	WB	SW8270D	
1,2-Dichlorobenzene	ND	250	100	ug/Kg	1	12/14/18	WB	SW8270D	
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	1	12/14/18	WB	SW8270D	
1,3-Dichlorobenzene	ND	250	110	ug/Kg	1	12/14/18	WB	SW8270D	
1,4-Dichlorobenzene	ND	250	110	ug/Kg	1	12/14/18	WB	SW8270D	
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	1	12/14/18	WB	SW8270D	
2,4,6-Trichlorophenol	ND	180	120	ug/Kg	1	12/14/18	WB	SW8270D	

Project ID: 188 EAST 135TH ST BRONX NY
Client ID: SB 4 (8-10`)

Phoenix I.D.: CC13979

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	12/14/18	WB	SW8270D	
2,4-Dimethylphenol	ND	250	89	ug/Kg	1	12/14/18	WB	SW8270D	
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	12/14/18	WB	SW8270D	
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	12/14/18	WB	SW8270D	
2,6-Dinitrotoluene	ND	180	110	ug/Kg	1	12/14/18	WB	SW8270D	
2-Chloronaphthalene	ND	250	100	ug/Kg	1	12/14/18	WB	SW8270D	
2-Chlorophenol	ND	250	100	ug/Kg	1	12/14/18	WB	SW8270D	
2-Methylnaphthalene	ND	250	110	ug/Kg	1	12/14/18	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	12/14/18	WB	SW8270D	
2-Nitroaniline	ND	250	250	ug/Kg	1	12/14/18	WB	SW8270D	
2-Nitrophenol	ND	250	230	ug/Kg	1	12/14/18	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	12/14/18	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	12/14/18	WB	SW8270D	
3-Nitroaniline	ND	360	720	ug/Kg	1	12/14/18	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	220	72	ug/Kg	1	12/14/18	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	1	12/14/18	WB	SW8270D	
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	1	12/14/18	WB	SW8270D	
4-Chloroaniline	ND	290	170	ug/Kg	1	12/14/18	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	12/14/18	WB	SW8270D	
4-Nitroaniline	ND	360	120	ug/Kg	1	12/14/18	WB	SW8270D	
4-Nitrophenol	ND	360	160	ug/Kg	1	12/14/18	WB	SW8270D	
Acenaphthene	ND	250	110	ug/Kg	1	12/14/18	WB	SW8270D	
Acenaphthylene	ND	250	100	ug/Kg	1	12/14/18	WB	SW8270D	
Acetophenone	ND	250	110	ug/Kg	1	12/14/18	WB	SW8270D	
Aniline	ND	290	290	ug/Kg	1	12/14/18	WB	SW8270D	
Anthracene	380	250	120	ug/Kg	1	12/14/18	WB	SW8270D	
Benz(a)anthracene	700	250	120	ug/Kg	1	12/14/18	WB	SW8270D	
Benzidine	ND	360	210	ug/Kg	1	12/14/18	WB	SW8270D	
Benzo(a)pyrene	640	180	120	ug/Kg	1	12/14/18	WB	SW8270D	
Benzo(b)fluoranthene	530	250	120	ug/Kg	1	12/14/18	WB	SW8270D	
Benzo(ghi)perylene	330	250	120	ug/Kg	1	12/14/18	WB	SW8270D	
Benzo(k)fluoranthene	500	250	120	ug/Kg	1	12/14/18	WB	SW8270D	
Benzoic acid	ND	1800	720	ug/Kg	1	12/14/18	WB	SW8270D	
Benzyl butyl phthalate	ND	250	93	ug/Kg	1	12/14/18	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	250	99	ug/Kg	1	12/14/18	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	180	97	ug/Kg	1	12/14/18	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	250	100	ug/Kg	1	12/14/18	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	12/14/18	WB	SW8270D	
Carbazole	ND	180	140	ug/Kg	1	12/14/18	WB	SW8270D	
Chrysene	680	250	120	ug/Kg	1	12/14/18	WB	SW8270D	
Dibenz(a,h)anthracene	ND	180	120	ug/Kg	1	12/14/18	WB	SW8270D	
Dibenzofuran	ND	250	110	ug/Kg	1	12/14/18	WB	SW8270D	
Diethyl phthalate	ND	250	110	ug/Kg	1	12/14/18	WB	SW8270D	
Dimethylphthalate	ND	250	110	ug/Kg	1	12/14/18	WB	SW8270D	
Di-n-butylphthalate	ND	250	96	ug/Kg	1	12/14/18	WB	SW8270D	
Di-n-octylphthalate	ND	250	93	ug/Kg	1	12/14/18	WB	SW8270D	
Fluoranthene	1700	250	120	ug/Kg	1	12/14/18	WB	SW8270D	
Fluorene	ND	250	120	ug/Kg	1	12/14/18	WB	SW8270D	
Hexachlorobenzene	ND	180	110	ug/Kg	1	12/14/18	WB	SW8270D	

Project ID: 188 EAST 135TH ST BRONX NY
Client ID: SB 4 (8-10`)

Phoenix I.D.: CC13979

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Hexachlorobutadiene	ND	250	130	ug/Kg	1	12/14/18	WB	SW8270D	
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	12/14/18	WB	SW8270D	
Hexachloroethane	ND	180	110	ug/Kg	1	12/14/18	WB	SW8270D	
Indeno(1,2,3-cd)pyrene	360	250	120	ug/Kg	1	12/14/18	WB	SW8270D	
Isophorone	ND	180	100	ug/Kg	1	12/14/18	WB	SW8270D	
Naphthalene	ND	250	100	ug/Kg	1	12/14/18	WB	SW8270D	
Nitrobenzene	ND	180	130	ug/Kg	1	12/14/18	WB	SW8270D	
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	12/14/18	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND	180	120	ug/Kg	1	12/14/18	WB	SW8270D	
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	1	12/14/18	WB	SW8270D	
Pentachloronitrobenzene	ND	250	130	ug/Kg	1	12/14/18	WB	SW8270D	
Pentachlorophenol	ND	220	140	ug/Kg	1	12/14/18	WB	SW8270D	
Phenanthrene	1300	250	100	ug/Kg	1	12/14/18	WB	SW8270D	
Phenol	ND	250	120	ug/Kg	1	12/14/18	WB	SW8270D	
Pyrene	1500	250	120	ug/Kg	1	12/14/18	WB	SW8270D	
Pyridine	ND	250	89	ug/Kg	1	12/14/18	WB	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	74			%	1	12/14/18	WB	30 - 130 %	
% 2-Fluorobiphenyl	59			%	1	12/14/18	WB	30 - 130 %	
% 2-Fluorophenol	54			%	1	12/14/18	WB	30 - 130 %	
% Nitrobenzene-d5	58			%	1	12/14/18	WB	30 - 130 %	
% Phenol-d5	61			%	1	12/14/18	WB	30 - 130 %	
% Terphenyl-d14	61			%	1	12/14/18	WB	30 - 130 %	
Field Extraction	Completed					12/12/18		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.
B = Present in blank, no bias suspected.

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.

Phyllis Shiller, Laboratory Director
December 19, 2018
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 19, 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:	DR	12/12/18	9:00
Location Code:	EBC	Received by:	SW	12/13/18	16:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCC13976
Phoenix ID: CC13980

Project ID: 188 EAST 135TH ST BRONX NY
Client ID: SB 5 (8-10`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.37	0.37		mg/Kg	1	12/15/18	CPP	SW6010C	
Aluminum	12400	37		mg/Kg	10	12/15/18	CPP	SW6010C	
Arsenic	2.64	0.74		mg/Kg	1	12/15/18	CPP	SW6010C	
Barium	27.3	0.7		mg/Kg	1	12/15/18	EK	SW6010C	B
Beryllium	0.53	0.29		mg/Kg	1	12/15/18	CPP	SW6010C	
Calcium	7670	3.7		mg/Kg	1	12/15/18	CPP	SW6010C	
Cadmium	< 0.37	0.37		mg/Kg	1	12/15/18	CPP	SW6010C	
Cobalt	6.10	0.37		mg/Kg	1	12/15/18	CPP	SW6010C	
Chromium	17.9	0.37		mg/Kg	1	12/15/18	CPP	SW6010C	
Copper	25.3	0.7		mg/kg	1	12/15/18	CPP	SW6010C	
Iron	14700	37		mg/Kg	10	12/15/18	CPP	SW6010C	
Mercury	0.03	0.03		mg/Kg	1	12/14/18	RS	SW7471B	
Potassium	1470	7		mg/Kg	1	12/15/18	EK	SW6010C	
Magnesium	6300	37		mg/Kg	10	12/15/18	CPP	SW6010C	
Manganese	110	0.37		mg/Kg	1	12/15/18	CPP	SW6010C	
Sodium	289	7		mg/Kg	1	12/15/18	CPP	SW6010C	
Nickel	14.4	0.37		mg/Kg	1	12/15/18	CPP	SW6010C	
Lead	11.7	0.7		mg/Kg	1	12/15/18	CPP	SW6010C	
Antimony	< 3.7	3.7		mg/Kg	1	12/15/18	CPP	SW6010C	
Selenium	< 1.5	1.5		mg/Kg	1	12/15/18	CPP	SW6010C	
Thallium	< 1.5	1.5		mg/Kg	1	12/15/18	CPP	SW6010C	
Vanadium	22.5	0.37		mg/Kg	1	12/15/18	CPP	SW6010C	
Zinc	64.4	0.7		mg/Kg	1	12/15/18	CPP	SW6010C	
Percent Solid	85			%		12/13/18	AK	SW846-%Solid	
Soil Extraction for SVOA	Completed					12/13/18	JJ/CK	SW3545A	
Mercury Digestion	Completed					12/14/18	EV/EV	SW7471B	
Total Metals Digest	Completed					12/14/18	M/AG	SW3050B	

Ver 1

Project ID: 188 EAST 135TH ST BRONX NY
Client ID: SB 5 (8-10`)

Phoenix I.D.: CC13980

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	12/15/18	JLI	SW8260C	
1,1,1-Trichloroethane	ND		5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND		5.0	1.0	ug/Kg	1	12/15/18	JLI	SW8260C	
1,1,2-Trichloroethane	ND		5.0	1.0	ug/Kg	1	12/15/18	JLI	SW8260C	
1,1-Dichloroethane	ND		5.0	1.0	ug/Kg	1	12/15/18	JLI	SW8260C	
1,1-Dichloroethene	ND		5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	
1,1-Dichloropropene	ND		5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		5.0	1.0	ug/Kg	1	12/15/18	JLI	SW8260C	
1,2,3-Trichloropropane	ND		5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		5.0	1.0	ug/Kg	1	12/15/18	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND		5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		5.0	1.0	ug/Kg	1	12/15/18	JLI	SW8260C	
1,2-Dibromoethane	ND		5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	
1,2-Dichlorobenzene	ND		5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	
1,2-Dichloroethane	ND		5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	
1,2-Dichloropropane	ND		5.0	1.0	ug/Kg	1	12/15/18	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND		5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	
1,3-Dichlorobenzene	ND		5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	
1,3-Dichloropropane	ND		5.0	1.0	ug/Kg	1	12/15/18	JLI	SW8260C	
1,4-Dichlorobenzene	ND		5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	
2,2-Dichloropropane	ND		5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	
2-Chlorotoluene	ND		5.0	1.0	ug/Kg	1	12/15/18	JLI	SW8260C	
2-Hexanone	ND		25	5.0	ug/Kg	1	12/15/18	JLI	SW8260C	
2-Isopropyltoluene	ND		5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	1
4-Chlorotoluene	ND		5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	
4-Methyl-2-pentanone	ND		25	5.0	ug/Kg	1	12/15/18	JLI	SW8260C	
Acetone	36	S	25	5.0	ug/Kg	1	12/15/18	JLI	SW8260C	
Acrylonitrile	ND		10	1.0	ug/Kg	1	12/15/18	JLI	SW8260C	
Benzene	ND		5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	
Bromobenzene	ND		5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	
Bromochloromethane	ND		5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	
Bromodichloromethane	ND		5.0	1.0	ug/Kg	1	12/15/18	JLI	SW8260C	
Bromoform	ND		5.0	1.0	ug/Kg	1	12/15/18	JLI	SW8260C	
Bromomethane	ND		5.0	2.0	ug/Kg	1	12/15/18	JLI	SW8260C	
Carbon Disulfide	ND		5.0	1.0	ug/Kg	1	12/15/18	JLI	SW8260C	
Carbon tetrachloride	ND		5.0	1.0	ug/Kg	1	12/15/18	JLI	SW8260C	
Chlorobenzene	ND		5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	
Chloroethane	ND		5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	
Chloroform	ND		5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	
Chloromethane	ND		5.0	1.0	ug/Kg	1	12/15/18	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	
Dibromochloromethane	ND		5.0	1.0	ug/Kg	1	12/15/18	JLI	SW8260C	
Dibromomethane	ND		5.0	1.0	ug/Kg	1	12/15/18	JLI	SW8260C	
Dichlorodifluoromethane	ND		5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	
Ethylbenzene	ND		5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	
Hexachlorobutadiene	ND		5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	
Isopropylbenzene	ND		5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	

Project ID: 188 EAST 135TH ST BRONX NY
Client ID: SB 5 (8-10`)

Phoenix I.D.: CC13980

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
m&p-Xylene	ND	5.0	1.0	ug/Kg	1	12/15/18	JLI	SW8260C	
Methyl Ethyl Ketone	ND	30	5.0	ug/Kg	1	12/15/18	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	10	1.0	ug/Kg	1	12/15/18	JLI	SW8260C	
Methylene chloride	ND	5.0	5.0	ug/Kg	1	12/15/18	JLI	SW8260C	
Naphthalene	ND	5.0	1.0	ug/Kg	1	12/15/18	JLI	SW8260C	
n-Butylbenzene	ND	5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	
n-Propylbenzene	ND	5.0	1.0	ug/Kg	1	12/15/18	JLI	SW8260C	
o-Xylene	ND	5.0	1.0	ug/Kg	1	12/15/18	JLI	SW8260C	
p-Isopropyltoluene	ND	5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	
sec-Butylbenzene	ND	5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	
Styrene	ND	5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	
tert-Butylbenzene	ND	5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	
Tetrachloroethene	ND	5.0	1.0	ug/Kg	1	12/15/18	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	10	2.5	ug/Kg	1	12/15/18	JLI	SW8260C	1
Toluene	ND	5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	10	2.5	ug/Kg	1	12/15/18	JLI	SW8260C	
Trichloroethene	ND	5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	
Trichlorofluoromethane	ND	5.0	1.0	ug/Kg	1	12/15/18	JLI	SW8260C	
Trichlorotrifluoroethane	ND	5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	
Vinyl chloride	ND	5.0	0.50	ug/Kg	1	12/15/18	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	101			%	1	12/15/18	JLI	70 - 130 %	
% Bromofluorobenzene	96			%	1	12/15/18	JLI	70 - 130 %	
% Dibromofluoromethane	94			%	1	12/15/18	JLI	70 - 130 %	
% Toluene-d8	100			%	1	12/15/18	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	75		ug/kg	1	12/15/18	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	101			%	1	12/15/18	JLI	70 - 130 %	
% Bromofluorobenzene	96			%	1	12/15/18	JLI	70 - 130 %	
% Toluene-d8	100			%	1	12/15/18	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	20		ug/Kg	1	12/15/18	JLI	SW8260C	
Acrolein	ND	5.0		ug/Kg	1	12/15/18	JLI	SW8260C	
Acrylonitrile	ND	20		ug/Kg	1	12/15/18	JLI	SW8260C	
Tert-butyl alcohol	ND	100		ug/Kg	1	12/15/18	JLI	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	270	140	ug/Kg	1	12/14/18	WB	SW8270D	
1,2,4-Trichlorobenzene	ND	270	120	ug/Kg	1	12/14/18	WB	SW8270D	
1,2-Dichlorobenzene	ND	270	110	ug/Kg	1	12/14/18	WB	SW8270D	
1,2-Diphenylhydrazine	ND	270	130	ug/Kg	1	12/14/18	WB	SW8270D	
1,3-Dichlorobenzene	ND	270	120	ug/Kg	1	12/14/18	WB	SW8270D	
1,4-Dichlorobenzene	ND	270	120	ug/Kg	1	12/14/18	WB	SW8270D	
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	1	12/14/18	WB	SW8270D	
2,4,6-Trichlorophenol	ND	200	120	ug/Kg	1	12/14/18	WB	SW8270D	

Project ID: 188 EAST 135TH ST BRONX NY
Client ID: SB 5 (8-10`)

Phoenix I.D.: CC13980

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dichlorophenol	ND	200	140	ug/Kg	1	12/14/18	WB	SW8270D	
2,4-Dimethylphenol	ND	270	97	ug/Kg	1	12/14/18	WB	SW8270D	
2,4-Dinitrophenol	ND	270	270	ug/Kg	1	12/14/18	WB	SW8270D	
2,4-Dinitrotoluene	ND	200	150	ug/Kg	1	12/14/18	WB	SW8270D	
2,6-Dinitrotoluene	ND	200	120	ug/Kg	1	12/14/18	WB	SW8270D	
2-Chloronaphthalene	ND	270	110	ug/Kg	1	12/14/18	WB	SW8270D	
2-Chlorophenol	ND	270	110	ug/Kg	1	12/14/18	WB	SW8270D	
2-Methylnaphthalene	ND	270	120	ug/Kg	1	12/14/18	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	270	180	ug/Kg	1	12/14/18	WB	SW8270D	
2-Nitroaniline	ND	270	270	ug/Kg	1	12/14/18	WB	SW8270D	
2-Nitrophenol	ND	270	250	ug/Kg	1	12/14/18	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	270	150	ug/Kg	1	12/14/18	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	200	180	ug/Kg	1	12/14/18	WB	SW8270D	
3-Nitroaniline	ND	390	780	ug/Kg	1	12/14/18	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	230	78	ug/Kg	1	12/14/18	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	270	110	ug/Kg	1	12/14/18	WB	SW8270D	
4-Chloro-3-methylphenol	ND	270	140	ug/Kg	1	12/14/18	WB	SW8270D	
4-Chloroaniline	ND	310	180	ug/Kg	1	12/14/18	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	270	130	ug/Kg	1	12/14/18	WB	SW8270D	
4-Nitroaniline	ND	390	130	ug/Kg	1	12/14/18	WB	SW8270D	
4-Nitrophenol	ND	390	180	ug/Kg	1	12/14/18	WB	SW8270D	
Acenaphthene	ND	270	120	ug/Kg	1	12/14/18	WB	SW8270D	
Acenaphthylene	ND	270	110	ug/Kg	1	12/14/18	WB	SW8270D	
Acetophenone	ND	270	120	ug/Kg	1	12/14/18	WB	SW8270D	
Aniline	ND	310	310	ug/Kg	1	12/14/18	WB	SW8270D	
Anthracene	ND	270	130	ug/Kg	1	12/14/18	WB	SW8270D	
Benz(a)anthracene	ND	270	130	ug/Kg	1	12/14/18	WB	SW8270D	
Benzidine	ND	390	230	ug/Kg	1	12/14/18	WB	SW8270D	
Benzo(a)pyrene	ND	200	130	ug/Kg	1	12/14/18	WB	SW8270D	
Benzo(b)fluoranthene	ND	270	130	ug/Kg	1	12/14/18	WB	SW8270D	
Benzo(ghi)perylene	ND	270	130	ug/Kg	1	12/14/18	WB	SW8270D	
Benzo(k)fluoranthene	ND	270	130	ug/Kg	1	12/14/18	WB	SW8270D	
Benzoic acid	ND	2000	780	ug/Kg	1	12/14/18	WB	SW8270D	
Benzyl butyl phthalate	ND	270	100	ug/Kg	1	12/14/18	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	270	110	ug/Kg	1	12/14/18	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	200	110	ug/Kg	1	12/14/18	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	270	110	ug/Kg	1	12/14/18	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	270	110	ug/Kg	1	12/14/18	WB	SW8270D	
Carbazole	ND	200	160	ug/Kg	1	12/14/18	WB	SW8270D	
Chrysene	ND	270	130	ug/Kg	1	12/14/18	WB	SW8270D	
Dibenz(a,h)anthracene	ND	200	130	ug/Kg	1	12/14/18	WB	SW8270D	
Dibenzofuran	ND	270	110	ug/Kg	1	12/14/18	WB	SW8270D	
Diethyl phthalate	ND	270	120	ug/Kg	1	12/14/18	WB	SW8270D	
Dimethylphthalate	ND	270	120	ug/Kg	1	12/14/18	WB	SW8270D	
Di-n-butylphthalate	ND	270	100	ug/Kg	1	12/14/18	WB	SW8270D	
Di-n-octylphthalate	ND	270	100	ug/Kg	1	12/14/18	WB	SW8270D	
Fluoranthene	ND	270	130	ug/Kg	1	12/14/18	WB	SW8270D	
Fluorene	ND	270	130	ug/Kg	1	12/14/18	WB	SW8270D	
Hexachlorobenzene	ND	200	110	ug/Kg	1	12/14/18	WB	SW8270D	

Project ID: 188 EAST 135TH ST BRONX NY
Client ID: SB 5 (8-10`)

Phoenix I.D.: CC13980

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Hexachlorobutadiene	ND	270	140	ug/Kg	1	12/14/18	WB	SW8270D	
Hexachlorocyclopentadiene	ND	270	120	ug/Kg	1	12/14/18	WB	SW8270D	
Hexachloroethane	ND	200	120	ug/Kg	1	12/14/18	WB	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	270	130	ug/Kg	1	12/14/18	WB	SW8270D	
Isophorone	ND	200	110	ug/Kg	1	12/14/18	WB	SW8270D	
Naphthalene	ND	270	110	ug/Kg	1	12/14/18	WB	SW8270D	
Nitrobenzene	ND	200	140	ug/Kg	1	12/14/18	WB	SW8270D	
N-Nitrosodimethylamine	ND	270	110	ug/Kg	1	12/14/18	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND	200	130	ug/Kg	1	12/14/18	WB	SW8270D	
N-Nitrosodiphenylamine	ND	270	150	ug/Kg	1	12/14/18	WB	SW8270D	
Pentachloronitrobenzene	ND	270	150	ug/Kg	1	12/14/18	WB	SW8270D	
Pentachlorophenol	ND	230	150	ug/Kg	1	12/14/18	WB	SW8270D	
Phenanthrene	ND	270	110	ug/Kg	1	12/14/18	WB	SW8270D	
Phenol	ND	270	120	ug/Kg	1	12/14/18	WB	SW8270D	
Pyrene	ND	270	130	ug/Kg	1	12/14/18	WB	SW8270D	
Pyridine	ND	270	96	ug/Kg	1	12/14/18	WB	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	77			%	1	12/14/18	WB	30 - 130 %	
% 2-Fluorobiphenyl	62			%	1	12/14/18	WB	30 - 130 %	
% 2-Fluorophenol	62			%	1	12/14/18	WB	30 - 130 %	
% Nitrobenzene-d5	61			%	1	12/14/18	WB	30 - 130 %	
% Phenol-d5	68			%	1	12/14/18	WB	30 - 130 %	
% Terphenyl-d14	64			%	1	12/14/18	WB	30 - 130 %	
Field Extraction	Completed					12/12/18		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.
B = Present in blank, no bias suspected.

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.

Phyllis Shiller, Laboratory Director
December 19, 2018
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 19, 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:	DR	12/12/18	8:40
Location Code:	EBC	Received by:	SW	12/13/18	16:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCC13976
Phoenix ID: CC13981

Project ID: 188 EAST 135TH ST BRONX NY
Client ID: GW1

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	12/15/18	MH	SW8260C	
1,1,1-Trichloroethane	ND		5.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
1,1,2-Trichloroethane	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
1,1-Dichloroethane	ND		5.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
1,1-Dichloroethene	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
1,1-Dichloropropene	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
1,2,3-Trichloropropane	ND		0.25	0.25	ug/L	1	12/15/18	MH	SW8260C	
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
1,2,4-Trimethylbenzene	1.8		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND		0.50	0.50	ug/L	1	12/15/18	MH	SW8260C	
1,2-Dibromoethane	ND		0.25	0.25	ug/L	1	12/15/18	MH	SW8260C	
1,2-Dichlorobenzene	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
1,2-Dichloroethane	ND		0.60	0.50	ug/L	1	12/15/18	MH	SW8260C	
1,2-Dichloropropane	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
1,3,5-Trimethylbenzene	0.34	J	1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
1,3-Dichlorobenzene	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
1,3-Dichloropropane	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
1,4-Dichlorobenzene	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
2,2-Dichloropropane	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
2-Chlorotoluene	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
2-Hexanone	ND		2.5	2.5	ug/L	1	12/15/18	MH	SW8260C	
2-Isopropyltoluene	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	1
4-Chlorotoluene	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
4-Methyl-2-pentanone	ND		2.5	2.5	ug/L	1	12/15/18	MH	SW8260C	

Project ID: 188 EAST 135TH ST BRONX NY
Client ID: GW1

Phoenix I.D.: CC13981

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	3.9	JS	5.0	2.5	ug/L	1	12/15/18	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	12/15/18	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	12/15/18	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	12/15/18	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Carbon Disulfide	0.40	J	1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/15/18	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Ethylbenzene	0.32	J	1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	12/15/18	MH	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
m&p-Xylene	1.2		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	12/15/18	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	12/15/18	MH	SW8260C	
Naphthalene	1.6		1.0	1.0	ug/L	1	12/15/18	MH	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
o-Xylene	0.60	J	1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
sec-Butylbenzene	1.5		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	12/15/18	MH	SW8260C	1
Toluene	1.3		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/15/18	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	12/15/18	MH	SW8260C	
Trichloroethene	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	101				%	1	12/15/18	MH	70 - 130 %	
% Bromofluorobenzene	96				%	1	12/15/18	MH	70 - 130 %	
% Dibromofluoromethane	100				%	1	12/15/18	MH	70 - 130 %	

Ver 1

Project ID: 188 EAST 135TH ST BRONX NY
Client ID: GW1

Phoenix I.D.: CC13981

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	98			%	1	12/15/18	MH	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100		ug/l	1	12/15/18	MH	SW8260C
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	12/15/18	MH	SW8260C
Acrolein	ND	5.0		ug/L	1	12/15/18	MH	SW8260C
Acrylonitrile	ND	5.0		ug/L	1	12/15/18	MH	SW8260C
Tert-butyl alcohol	ND	50		ug/L	1	12/15/18	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.

Phyllis Shiller, Laboratory Director
December 19, 2018
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 19, 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:	DR	12/12/18	10:00
Location Code:	EBC	Received by:	SW	12/13/18	16:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCC13976
Phoenix ID: CC13982

Project ID: 188 EAST 135TH ST BRONX NY
Client ID: GW2

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	12/14/18	MH	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	12/14/18	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	12/14/18	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	12/14/18	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	12/14/18	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	12/14/18	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	12/14/18	MH	SW8260C	

Project ID: 188 EAST 135TH ST BRONX NY
Client ID: GW2

Phoenix I.D.: CC13982

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	5.0	2.5	ug/L	1	12/14/18	MH	SW8260C	
Acrolein	ND	5.0	2.5	ug/L	1	12/14/18	MH	SW8260C	
Acrylonitrile	ND	5.0	2.5	ug/L	1	12/14/18	MH	SW8260C	
Benzene	ND	0.70	0.25	ug/L	1	12/14/18	MH	SW8260C	
Bromobenzene	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
Bromochloromethane	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
Bromodichloromethane	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
Bromoform	ND	5.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
Bromomethane	ND	5.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
Carbon Disulfide	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
Chlorobenzene	ND	5.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
Chloroethane	ND	5.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
Chloroform	ND	5.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
Chloromethane	ND	5.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/14/18	MH	SW8260C	
Dibromochloromethane	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
Dibromomethane	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
Ethylbenzene	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	12/14/18	MH	SW8260C	
Isopropylbenzene	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
m&p-Xylene	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	12/14/18	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
Methylene chloride	ND	3.0	1.0	ug/L	1	12/14/18	MH	SW8260C	
Naphthalene	ND	1.0	1.0	ug/L	1	12/14/18	MH	SW8260C	
n-Butylbenzene	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
n-Propylbenzene	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
o-Xylene	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
Styrene	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
Tetrachloroethene	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	12/14/18	MH	SW8260C	1
Toluene	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/14/18	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	12/14/18	MH	SW8260C	
Trichloroethene	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
Vinyl chloride	ND	1.0	0.25	ug/L	1	12/14/18	MH	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	99			%	1	12/14/18	MH	70 - 130 %	
% Bromofluorobenzene	97			%	1	12/14/18	MH	70 - 130 %	
% Dibromofluoromethane	98			%	1	12/14/18	MH	70 - 130 %	

Ver 1

Project ID: 188 EAST 135TH ST BRONX NY
Client ID: GW2

Phoenix I.D.: CC13982

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	99			%	1	12/14/18	MH	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100		ug/l	1	12/14/18	MH	SW8260C
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	12/14/18	MH	SW8260C
Acrolein	ND	5.0		ug/L	1	12/14/18	MH	SW8260C
Acrylonitrile	ND	5.0		ug/L	1	12/14/18	MH	SW8260C
Tert-butyl alcohol	ND	50		ug/L	1	12/14/18	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 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.

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

Phyllis Shiller, Laboratory Director
December 19, 2018
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

December 19, 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:	DR	12/12/18	10:45
Location Code:	EBC	Received by:	SW	12/13/18	16:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCC13976
Phoenix ID: CC13983

Project ID: 188 EAST 135TH ST BRONX NY
Client ID: GW3

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	12/15/18	MH	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	12/15/18	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	12/15/18	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	12/15/18	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	12/15/18	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	12/15/18	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	12/15/18	MH	SW8260C	

Project ID: 188 EAST 135TH ST BRONX NY
Client ID: GW3

Phoenix I.D.: CC13983

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	3.7	JS	5.0	2.5	ug/L	1	12/15/18	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	12/15/18	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	12/15/18	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	12/15/18	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Carbon Disulfide	0.39	J	1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/15/18	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	12/15/18	MH	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	12/15/18	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	12/15/18	MH	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	12/15/18	MH	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	12/15/18	MH	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/15/18	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	12/15/18	MH	SW8260C	
Trichloroethene	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	12/15/18	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	100				%	1	12/15/18	MH	70 - 130 %	
% Bromofluorobenzene	96				%	1	12/15/18	MH	70 - 130 %	
% Dibromofluoromethane	100				%	1	12/15/18	MH	70 - 130 %	

Ver 1

Project ID: 188 EAST 135TH ST BRONX NY
Client ID: GW3

Phoenix I.D.: CC13983

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	99			%	1	12/15/18	MH	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100		ug/l	1	12/15/18	MH	SW8260C
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	12/15/18	MH	SW8260C
Acrolein	ND	5.0		ug/L	1	12/15/18	MH	SW8260C
Acrylonitrile	ND	5.0		ug/L	1	12/15/18	MH	SW8260C
Tert-butyl alcohol	ND	50		ug/L	1	12/15/18	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.

Phyllis Shiller, Laboratory Director
December 19, 2018
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

December 19, 2018

QA/QC Data

SDG I.D.: GCC13976

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 459938 (mg/kg), QC Sample No: CC12609 (CC13976, CC13977, CC13978, CC13979, CC13980)														
Mercury - Soil	BRL	0.02	0.20	0.29	NC	82.0	91.7	11.2	59.3	61.2	3.2	70 - 130	30	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 460033 (mg/kg), QC Sample No: CC14009 (CC13976, CC13977, CC13978, CC13979, CC13980)														
ICP Metals - Soil														
Aluminum	BRL	5.1	9510	9690	1.90	110			NC			75 - 125	30	
Antimony	BRL	3.4	<3.5	<3.4	NC	123			88.6			75 - 125	30	
Arsenic	BRL	0.68	7.18	7.57	5.30	101			99.8			75 - 125	30	
Barium	0.90	0.34	50.8	62.5	20.7	99.1			110			75 - 125	30	
Beryllium	BRL	0.27	0.44	0.47	NC	96.7			101			75 - 125	30	
Cadmium	BRL	0.34	<0.35	0.34	NC	98.3			101			75 - 125	30	
Calcium	BRL	5.1	1510	1590	5.20	97.8			NC			75 - 125	30	
Chromium	BRL	0.34	24.7	29.2	16.7	102			108			75 - 125	30	
Cobalt	BRL	0.34	2.98	3.08	3.30	103			103			75 - 125	30	
Copper	BRL	0.68	4.8	5.01	4.30	95.5			102			75 - 125	30	
Iron	BRL	5.1	20000	20500	2.50	125			NC			75 - 125	30	
Lead	BRL	0.34	5.6	5.82	3.90	101			102			75 - 125	30	
Magnesium	BRL	5.1	1480	1570	5.90	106			NC			75 - 125	30	
Manganese	BRL	0.34	62.7	63.9	1.90	101			107			75 - 125	30	
Nickel	BRL	0.34	4.75	5.02	5.50	97.3			103			75 - 125	30	
Potassium	BRL	5.1	1460	1580	7.90	113			NC			75 - 125	30	
Selenium	BRL	1.4	<1.4	<1.4	NC	99.7			99.9			75 - 125	30	
Silver	BRL	0.34	<0.35	<0.34	NC	95.3			101			75 - 125	30	
Sodium	BRL	5.1	51	123	82.8	99.0			111			75 - 125	30	r
Thallium	BRL	3.1	<1.4	<3.1	NC	98.8			102			75 - 125	30	
Vanadium	BRL	0.34	28.2	29.6	4.80	114			106			75 - 125	30	
Zinc	BRL	0.68	23.0	25.5	10.3	97.8			101			75 - 125	30	

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

PHOENIX

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

QA/QC Report

December 19, 2018

QA/QC Data

SDG I.D.: GCC13976

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 459811 (ug/kg), QC Sample No: CC13734 (CC13976, CC13977, CC13978, CC13979, CC13980)											
Semivolatiles - Soil											
1,2,4,5-Tetrachlorobenzene	ND	230	73	70	4.2	73	69	5.6	30 - 130	30	
1,2,4-Trichlorobenzene	ND	230	71	69	2.9	68	64	6.1	30 - 130	30	
1,2-Dichlorobenzene	ND	180	65	63	3.1	61	58	5.0	30 - 130	30	
1,2-Diphenylhydrazine	ND	230	68	66	3.0	70	66	5.9	30 - 130	30	
1,3-Dichlorobenzene	ND	230	64	62	3.2	55	53	3.7	30 - 130	30	
1,4-Dichlorobenzene	ND	230	65	63	3.1	59	56	5.2	30 - 130	30	
2,4,5-Trichlorophenol	ND	230	84	77	8.7	86	80	7.2	30 - 130	30	
2,4,6-Trichlorophenol	ND	130	82	78	5.0	84	78	7.4	30 - 130	30	
2,4-Dichlorophenol	ND	130	80	78	2.5	80	77	3.8	30 - 130	30	
2,4-Dimethylphenol	ND	230	81	79	2.5	85	81	4.8	30 - 130	30	
2,4-Dinitrophenol	ND	230	14	<10	NC	31	34	9.2	30 - 130	30	I
2,4-Dinitrotoluene	ND	130	79	78	1.3	83	81	2.4	30 - 130	30	
2,6-Dinitrotoluene	ND	130	81	80	1.2	84	82	2.4	30 - 130	30	
2-Chloronaphthalene	ND	230	75	72	4.1	76	69	9.7	30 - 130	30	
2-Chlorophenol	ND	230	72	71	1.4	76	70	8.2	30 - 130	30	
2-Methylnaphthalene	ND	230	72	70	2.8	73	69	5.6	30 - 130	30	
2-Methylphenol (o-cresol)	ND	230	70	69	1.4	76	72	5.4	30 - 130	30	
2-Nitroaniline	ND	330	103	96	7.0	101	101	0.0	30 - 130	30	
2-Nitrophenol	ND	230	75	76	1.3	76	73	4.0	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	230	76	75	1.3	83	79	4.9	30 - 130	30	
3,3'-Dichlorobenzidine	ND	130	78	80	2.5	96	90	6.5	30 - 130	30	
3-Nitroaniline	ND	330	93	90	3.3	97	96	1.0	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	230	35	22	45.6	44	47	6.6	30 - 130	30	I,r
4-Bromophenyl phenyl ether	ND	230	82	79	3.7	82	73	11.6	30 - 130	30	
4-Chloro-3-methylphenol	ND	230	81	79	2.5	82	82	0.0	30 - 130	30	
4-Chloroaniline	ND	230	74	74	0.0	81	78	3.8	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	230	81	77	5.1	79	74	6.5	30 - 130	30	
4-Nitroaniline	ND	230	79	77	2.6	83	82	1.2	30 - 130	30	
4-Nitrophenol	ND	230	76	74	2.7	79	77	2.6	30 - 130	30	
Acenaphthene	ND	230	76	72	5.4	74	70	5.6	30 - 130	30	
Acenaphthylene	ND	130	70	68	2.9	71	66	7.3	30 - 130	30	
Acetophenone	ND	230	62	61	1.6	70	65	7.4	30 - 130	30	
Aniline	ND	330	58	58	0.0	110	60	58.8	30 - 130	30	r
Anthracene	ND	230	76	75	1.3	79	72	9.3	30 - 130	30	
Benz(a)anthracene	ND	230	75	74	1.3	73	67	8.6	30 - 130	30	
Benzidine	ND	330	55	55	0.0	45	61	30.2	30 - 130	30	
Benzo(a)pyrene	ND	130	75	73	2.7	73	66	10.1	30 - 130	30	
Benzo(b)fluoranthene	ND	160	79	77	2.6	72	68	5.7	30 - 130	30	
Benzo(ghi)perylene	ND	230	72	71	1.4	76	68	11.1	30 - 130	30	
Benzo(k)fluoranthene	ND	230	76	72	5.4	71	65	8.8	30 - 130	30	
Benzoic Acid	ND	330	<10	<10	NC	35	35	0.0	30 - 130	30	I

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Benzyl butyl phthalate	ND	230	84	81	3.6	81	73	10.4	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	230	71	71	0.0	70	66	5.9	30 - 130	30	
Bis(2-chloroethyl)ether	ND	130	60	58	3.4	61	57	6.8	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	230	53	52	1.9	52	49	5.9	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	230	86	83	3.6	90	78	14.3	30 - 130	30	
Carbazole	ND	230	77	75	2.6	81	74	9.0	30 - 130	30	
Chrysene	ND	230	78	75	3.9	78	71	9.4	30 - 130	30	
Dibenz(a,h)anthracene	ND	130	80	79	1.3	85	75	12.5	30 - 130	30	
Dibenzofuran	ND	230	76	72	5.4	77	72	6.7	30 - 130	30	
Diethyl phthalate	ND	230	80	77	3.8	79	75	5.2	30 - 130	30	
Dimethylphthalate	ND	230	80	77	3.8	80	75	6.5	30 - 130	30	
Di-n-butylphthalate	ND	670	84	82	2.4	83	76	8.8	30 - 130	30	
Di-n-octylphthalate	ND	230	87	84	3.5	86	78	9.8	30 - 130	30	
Fluoranthene	ND	230	79	76	3.9	77	72	6.7	30 - 130	30	
Fluorene	ND	230	78	74	5.3	77	73	5.3	30 - 130	30	
Hexachlorobenzene	ND	130	75	73	2.7	73	64	13.1	30 - 130	30	
Hexachlorobutadiene	ND	230	73	72	1.4	66	63	4.7	30 - 130	30	
Hexachlorocyclopentadiene	ND	230	53	53	0.0	22	12	58.8	30 - 130	30	m,r
Hexachloroethane	ND	130	63	61	3.2	53	50	5.8	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	230	71	72	1.4	76	68	11.1	30 - 130	30	
Isophorone	ND	130	66	65	1.5	65	62	4.7	30 - 130	30	
Naphthalene	ND	230	69	68	1.5	69	65	6.0	30 - 130	30	
Nitrobenzene	ND	130	68	68	0.0	72	67	7.2	30 - 130	30	
N-Nitrosodimethylamine	ND	230	59	57	3.4	63	58	8.3	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	130	70	69	1.4	73	68	7.1	30 - 130	30	
N-Nitrosodiphenylamine	ND	130	80	77	3.8	79	75	5.2	30 - 130	30	
Pentachloronitrobenzene	ND	230	77	76	1.3	79	72	9.3	30 - 130	30	
Pentachlorophenol	ND	230	78	71	9.4	86	81	6.0	30 - 130	30	
Phenanthrene	ND	130	76	73	4.0	77	73	5.3	30 - 130	30	
Phenol	ND	230	72	70	2.8	75	72	4.1	30 - 130	30	
Pyrene	ND	230	79	77	2.6	79	74	6.5	30 - 130	30	
Pyridine	ND	230	44	42	4.7	44	42	4.7	30 - 130	30	
% 2,4,6-Tribromophenol	61	%	74	71	4.1	79	72	9.3	30 - 130	30	
% 2-Fluorobiphenyl	58	%	62	61	1.6	64	59	8.1	30 - 130	30	
% 2-Fluorophenol	55	%	66	64	3.1	72	65	10.2	30 - 130	30	
% Nitrobenzene-d5	53	%	58	58	0.0	63	59	6.6	30 - 130	30	
% Phenol-d5	61	%	70	68	2.9	74	71	4.1	30 - 130	30	
% Terphenyl-d14	54	%	62	60	3.3	63	57	10.0	30 - 130	30	

Comment:

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

QA/QC Batch 460180 (ug/L), QC Sample No: CC12929 (CC13981, CC13983)

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	1.0	109	109	0.0				70 - 130	30	
1,1,1-Trichloroethane	ND	1.0	100	100	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	107	110	2.8				70 - 130	30	
1,1-Dichloroethane	ND	1.0	98	99	1.0				70 - 130	30	
1,1-Dichloroethene	ND	1.0	100	101	1.0				70 - 130	30	
1,1-Dichloropropene	ND	1.0	103	101	2.0				70 - 130	30	
1,2,3-Trichlorobenzene	ND	1.0	115	115	0.0				70 - 130	30	
1,2,3-Trichloropropane	ND	1.0	105	103	1.9				70 - 130	30	

QA/QC Data

SDG I.D.: GCC13976

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,2,4-Trichlorobenzene	ND	1.0	108	110	1.8				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	99	100	1.0				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	118	124	5.0				70 - 130	30
1,2-Dibromoethane	ND	1.0	111	108	2.7				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	105	106	0.9				70 - 130	30
1,2-Dichloroethane	ND	1.0	106	106	0.0				70 - 130	30
1,2-Dichloropropane	ND	1.0	103	101	2.0				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	98	99	1.0				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	101	102	1.0				70 - 130	30
1,3-Dichloropropane	ND	1.0	108	106	1.9				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	102	103	1.0				70 - 130	30
1,4-dioxane	ND	100	109	110	0.9				70 - 130	30
2,2-Dichloropropane	ND	1.0	106	105	0.9				70 - 130	30
2-Chlorotoluene	ND	1.0	98	100	2.0				70 - 130	30
2-Hexanone	ND	5.0	87	86	1.2				70 - 130	30
2-Isopropyltoluene	ND	1.0	101	103	2.0				70 - 130	30
4-Chlorotoluene	ND	1.0	98	99	1.0				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	95	93	2.1				70 - 130	30
Acetone	ND	5.0	75	75	0.0				70 - 130	30
Acrolein	ND	5.0	110	110	0.0				70 - 130	30
Acrylonitrile	ND	5.0	108	104	3.8				70 - 130	30
Benzene	ND	0.70	100	98	2.0				70 - 130	30
Bromobenzene	ND	1.0	102	101	1.0				70 - 130	30
Bromochloromethane	ND	1.0	104	102	1.9				70 - 130	30
Bromodichloromethane	ND	0.50	111	108	2.7				70 - 130	30
Bromoform	ND	1.0	119	112	6.1				70 - 130	30
Bromomethane	ND	1.0	79	81	2.5				70 - 130	30
Carbon Disulfide	ND	1.0	99	97	2.0				70 - 130	30
Carbon tetrachloride	ND	1.0	100	99	1.0				70 - 130	30
Chlorobenzene	ND	1.0	100	101	1.0				70 - 130	30
Chloroethane	ND	1.0	103	106	2.9				70 - 130	30
Chloroform	ND	1.0	99	96	3.1				70 - 130	30
Chloromethane	ND	1.0	84	84	0.0				70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	101	102	1.0				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	109	106	2.8				70 - 130	30
Dibromochloromethane	ND	0.50	117	117	0.0				70 - 130	30
Dibromomethane	ND	1.0	108	104	3.8				70 - 130	30
Dichlorodifluoromethane	ND	1.0	104	105	1.0				70 - 130	30
Ethylbenzene	ND	1.0	101	102	1.0				70 - 130	30
Hexachlorobutadiene	ND	0.40	103	107	3.8				70 - 130	30
Isopropylbenzene	ND	1.0	98	99	1.0				70 - 130	30
m&p-Xylene	ND	1.0	100	100	0.0				70 - 130	30
Methyl ethyl ketone	ND	5.0	89	89	0.0				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	109	112	2.7				70 - 130	30
Methylene chloride	ND	1.0	99	98	1.0				70 - 130	30
Naphthalene	ND	1.0	119	117	1.7				70 - 130	30
n-Butylbenzene	ND	1.0	101	103	2.0				70 - 130	30
n-Propylbenzene	ND	1.0	98	99	1.0				70 - 130	30
o-Xylene	ND	1.0	103	102	1.0				70 - 130	30
p-Isopropyltoluene	ND	1.0	99	101	2.0				70 - 130	30
sec-Butylbenzene	ND	1.0	102	104	1.9				70 - 130	30
Styrene	ND	1.0	103	103	0.0				70 - 130	30
tert-butyl alcohol	ND	10	113	121	6.8				70 - 130	30

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
tert-Butylbenzene	ND	1.0	97	99	2.0				70 - 130	30
Tetrachloroethene	ND	1.0	102	102	0.0				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	102	103	1.0				70 - 130	30
Toluene	ND	1.0	101	100	1.0				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	101	101	0.0				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	106	103	2.9				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	116	115	0.9				70 - 130	30
Trichloroethene	ND	1.0	103	102	1.0				70 - 130	30
Trichlorofluoromethane	ND	1.0	104	102	1.9				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	99	104	4.9				70 - 130	30
Vinyl chloride	ND	1.0	102	100	2.0				70 - 130	30
% 1,2-dichlorobenzene-d4	103	%	102	101	1.0				70 - 130	30
% Bromofluorobenzene	97	%	102	102	0.0				70 - 130	30
% Dibromofluoromethane	100	%	101	100	1.0				70 - 130	30
% Toluene-d8	98	%	101	100	1.0				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 460184 (ug/L), QC Sample No: CC13632 (CC13982)

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	96	104	8.0				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	87	97	10.9				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	93	105	12.1				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	93	105	12.1				70 - 130	30
1,1-Dichloroethane	ND	1.0	88	96	8.7				70 - 130	30
1,1-Dichloroethene	ND	1.0	91	99	8.4				70 - 130	30
1,1-Dichloropropene	ND	1.0	90	98	8.5				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	93	106	13.1				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	89	96	7.6				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	92	103	11.3				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	91	95	4.3				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	98	107	8.8				70 - 130	30
1,2-Dibromoethane	ND	1.0	93	104	11.2				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	93	100	7.3				70 - 130	30
1,2-Dichloroethane	ND	1.0	87	101	14.9				70 - 130	30
1,2-Dichloropropane	ND	1.0	88	97	9.7				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	91	95	4.3				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	92	98	6.3				70 - 130	30
1,3-Dichloropropane	ND	1.0	92	102	10.3				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	91	98	7.4				70 - 130	30
1,4-dioxane	ND	100	96	94	2.1				70 - 130	30
2,2-Dichloropropane	ND	1.0	90	96	6.5				70 - 130	30
2-Chlorotoluene	ND	1.0	92	96	4.3				70 - 130	30
2-Hexanone	ND	5.0	71	80	11.9				70 - 130	30
2-Isopropyltoluene	ND	1.0	94	98	4.2				70 - 130	30
4-Chlorotoluene	ND	1.0	90	96	6.5				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	76	90	16.9				70 - 130	30
Acetone	ND	5.0	63	73	14.7				70 - 130	30
Acrolein	ND	5.0	93	107	14.0				70 - 130	30
Acrylonitrile	ND	5.0	89	104	15.5				70 - 130	30
Benzene	ND	0.70	89	95	6.5				70 - 130	30
Bromobenzene	ND	1.0	92	98	6.3				70 - 130	30

QA/QC Data

SDG I.D.: GCC13976

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Bromochloromethane	ND	1.0	88	100	12.8				70 - 130	30
Bromodichloromethane	ND	0.50	89	100	11.6				70 - 130	30
Bromoform	ND	1.0	94	107	12.9				70 - 130	30
Bromomethane	ND	1.0	78	84	7.4				70 - 130	30
Carbon Disulfide	ND	1.0	91	99	8.4				70 - 130	30
Carbon tetrachloride	ND	1.0	89	95	6.5				70 - 130	30
Chlorobenzene	ND	1.0	92	98	6.3				70 - 130	30
Chloroethane	ND	1.0	96	105	9.0				70 - 130	30
Chloroform	ND	1.0	86	93	7.8				70 - 130	30
Chloromethane	ND	1.0	76	85	11.2				70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	90	97	7.5				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	92	101	9.3				70 - 130	30
Dibromochloromethane	ND	0.50	96	111	14.5				70 - 130	30
Dibromomethane	ND	1.0	89	102	13.6				70 - 130	30
Dichlorodifluoromethane	ND	1.0	98	107	8.8				70 - 130	30
Ethylbenzene	ND	1.0	93	98	5.2				70 - 130	30
Hexachlorobutadiene	ND	0.40	97	100	3.0				70 - 130	30
Isopropylbenzene	ND	1.0	91	95	4.3				70 - 130	30
m&p-Xylene	ND	1.0	91	97	6.4				70 - 130	30
Methyl ethyl ketone	ND	5.0	71	87	20.3				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	91	107	16.2				70 - 130	30
Methylene chloride	ND	1.0	87	97	10.9				70 - 130	30
Naphthalene	ND	1.0	95	112	16.4				70 - 130	30
n-Butylbenzene	ND	1.0	94	97	3.1				70 - 130	30
n-Propylbenzene	ND	1.0	92	96	4.3				70 - 130	30
o-Xylene	ND	1.0	92	99	7.3				70 - 130	30
p-Isopropyltoluene	ND	1.0	94	96	2.1				70 - 130	30
sec-Butylbenzene	ND	1.0	96	99	3.1				70 - 130	30
Styrene	ND	1.0	92	99	7.3				70 - 130	30
tert-butyl alcohol	ND	10	104	110	5.6				70 - 130	30
tert-Butylbenzene	ND	1.0	91	95	4.3				70 - 130	30
Tetrachloroethene	ND	1.0	90	98	8.5				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	84	99	16.4				70 - 130	30
Toluene	ND	1.0	90	97	7.5				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	90	98	8.5				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	89	99	10.6				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	96	107	10.8				70 - 130	30
Trichloroethene	ND	1.0	92	97	5.3				70 - 130	30
Trichlorofluoromethane	ND	1.0	94	101	7.2				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	93	101	8.2				70 - 130	30
Vinyl chloride	ND	1.0	94	101	7.2				70 - 130	30
% 1,2-dichlorobenzene-d4	100	%	99	101	2.0				70 - 130	30
% Bromofluorobenzene	95	%	100	102	2.0				70 - 130	30
% Dibromofluoromethane	101	%	100	103	3.0				70 - 130	30
% Toluene-d8	99	%	100	99	1.0				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 460164 (ug/kg), QC Sample No: CC13978 (CC13976 (50X) , CC13978 (50X))

Volatiles - Soil

1,1,2,2-Tetrachloroethane	ND	3.0	116	111	4.4	107	106	0.9	70 - 130	30
1,2,3-Trichlorobenzene	ND	5.0	109	106	2.8	103	104	1.0	70 - 130	30

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,2,3-Trichloropropane	ND	5.0	117	115	1.7	111	110	0.9	70 - 130	30
1,2,4-Trichlorobenzene	ND	5.0	112	105	6.5	110	112	1.8	70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	108	108	0.0	109	110	0.9	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	5.0	111	108	2.7	100	98	2.0	70 - 130	30
1,2-Dichlorobenzene	ND	5.0	111	110	0.9	109	109	0.0	70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	108	108	0.0	110	110	0.0	70 - 130	30
1,3-Dichlorobenzene	ND	5.0	112	109	2.7	111	111	0.0	70 - 130	30
1,4-Dichlorobenzene	ND	5.0	112	108	3.6	111	110	0.9	70 - 130	30
2-Chlorotoluene	ND	5.0	109	111	1.8	110	110	0.0	70 - 130	30
2-Isopropyltoluene	ND	5.0	113	112	0.9	114	114	0.0	70 - 130	30
4-Chlorotoluene	ND	5.0	109	109	0.0	110	109	0.9	70 - 130	30
Bromobenzene	ND	5.0	109	109	0.0	107	108	0.9	70 - 130	30
Hexachlorobutadiene	ND	5.0	111	107	3.7	117	118	0.9	70 - 130	30
Isopropylbenzene	ND	1.0	109	110	0.9	109	109	0.0	70 - 130	30
Naphthalene	ND	5.0	108	105	2.8	99	99	0.0	70 - 130	30
n-Butylbenzene	ND	1.0	113	108	4.5	116	116	0.0	70 - 130	30
n-Propylbenzene	ND	1.0	110	110	0.0	111	112	0.9	70 - 130	30
p-Isopropyltoluene	ND	1.0	111	109	1.8	114	114	0.0	70 - 130	30
sec-Butylbenzene	ND	1.0	116	114	1.7	117	117	0.0	70 - 130	30
tert-Butylbenzene	ND	1.0	109	109	0.0	109	110	0.9	70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	118	117	0.9	111	111	0.0	70 - 130	30
% 1,2-dichlorobenzene-d4	100	%	99	99	0.0	99	100	1.0	70 - 130	30
% Bromofluorobenzene	97	%	99	99	0.0	99	100	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 460156 (ug/kg), QC Sample No: CC14920 (CC13976, CC13977, CC13978, CC13979, CC13980)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	5.0	102	102	0.0	112	110	1.8	70 - 130	30
1,1,1-Trichloroethane	ND	5.0	105	107	1.9	116	114	1.7	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	3.0	105	104	1.0	109	109	0.0	70 - 130	30
1,1,2-Trichloroethane	ND	5.0	99	97	2.0	108	108	0.0	70 - 130	30
1,1-Dichloroethane	ND	5.0	104	104	0.0	113	112	0.9	70 - 130	30
1,1-Dichloroethene	ND	5.0	105	106	0.9	113	113	0.0	70 - 130	30
1,1-Dichloropropene	ND	5.0	107	108	0.9	119	118	0.8	70 - 130	30
1,2,3-Trichlorobenzene	ND	5.0	97	96	1.0	98	107	8.8	70 - 130	30
1,2,3-Trichloropropane	ND	5.0	103	103	0.0	112	112	0.0	70 - 130	30
1,2,4-Trichlorobenzene	ND	5.0	99	96	3.1	108	113	4.5	70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	102	102	0.0	111	111	0.0	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	5.0	101	103	2.0	98	105	6.9	70 - 130	30
1,2-Dibromoethane	ND	5.0	100	101	1.0	110	109	0.9	70 - 130	30
1,2-Dichlorobenzene	ND	5.0	102	102	0.0	112	113	0.9	70 - 130	30
1,2-Dichloroethane	ND	5.0	105	104	1.0	117	116	0.9	70 - 130	30
1,2-Dichloropropane	ND	5.0	100	99	1.0	108	108	0.0	70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	102	102	0.0	111	111	0.0	70 - 130	30
1,3-Dichlorobenzene	ND	5.0	103	101	2.0	114	114	0.0	70 - 130	30
1,3-Dichloropropane	ND	5.0	102	102	0.0	111	108	2.7	70 - 130	30
1,4-Dichlorobenzene	ND	5.0	102	101	1.0	113	114	0.9	70 - 130	30
1,4-dioxane	ND	100	103	103	0.0	107	109	1.9	70 - 130	30
2,2-Dichloropropane	ND	5.0	110	110	0.0	122	121	0.8	70 - 130	30
2-Chlorotoluene	ND	5.0	104	104	0.0	111	112	0.9	70 - 130	30
2-Hexanone	ND	25	76	78	2.6	75	77	2.6	70 - 130	30
2-Isopropyltoluene	ND	5.0	106	106	0.0	107	107	0.0	70 - 130	30

QA/QC Data

SDG I.D.: GCC13976

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
4-Chlorotoluene	ND	5.0	102	100	2.0	110	110	0.0	70 - 130	30	
4-Methyl-2-pentanone	ND	25	82	84	2.4	85	86	1.2	70 - 130	30	
Acetone	ND	10	61	62	1.6	45	45	0.0	70 - 130	30	l,m
Acrolein	ND	25	95	97	2.1	83	84	1.2	70 - 130	30	
Acrylonitrile	ND	5.0	97	100	3.0	99	98	1.0	70 - 130	30	
Benzene	ND	1.0	101	102	1.0	110	110	0.0	70 - 130	30	
Bromobenzene	ND	5.0	102	101	1.0	108	109	0.9	70 - 130	30	
Bromochloromethane	ND	5.0	105	105	0.0	115	114	0.9	70 - 130	30	
Bromodichloromethane	ND	5.0	101	102	1.0	112	111	0.9	70 - 130	30	
Bromoform	ND	5.0	98	97	1.0	105	103	1.9	70 - 130	30	
Bromomethane	ND	5.0	122	120	1.7	85	97	13.2	70 - 130	30	
Carbon Disulfide	ND	5.0	106	106	0.0	107	106	0.9	70 - 130	30	
Carbon tetrachloride	ND	5.0	92	107	15.1	101	113	11.2	70 - 130	30	
Chlorobenzene	ND	5.0	104	104	0.0	113	112	0.9	70 - 130	30	
Chloroethane	ND	5.0	116	114	1.7	124	123	0.8	70 - 130	30	
Chloroform	ND	5.0	104	103	1.0	113	111	1.8	70 - 130	30	
Chloromethane	ND	5.0	94	95	1.1	100	99	1.0	70 - 130	30	
cis-1,2-Dichloroethene	ND	5.0	106	105	0.9	113	109	3.6	70 - 130	30	
cis-1,3-Dichloropropene	ND	5.0	104	103	1.0	114	112	1.8	70 - 130	30	
Dibromochloromethane	ND	3.0	104	105	1.0	111	112	0.9	70 - 130	30	
Dibromomethane	ND	5.0	99	100	1.0	111	110	0.9	70 - 130	30	
Dichlorodifluoromethane	ND	5.0	121	123	1.6	134	132	1.5	70 - 130	30	m
Ethylbenzene	ND	1.0	104	104	0.0	114	113	0.9	70 - 130	30	
Hexachlorobutadiene	ND	5.0	102	104	1.9	117	117	0.0	70 - 130	30	
Isopropylbenzene	ND	1.0	104	105	1.0	111	110	0.9	70 - 130	30	
m&p-Xylene	ND	2.0	103	103	0.0	114	113	0.9	70 - 130	30	
Methyl ethyl ketone	ND	5.0	79	79	0.0	82	79	3.7	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	103	102	1.0	102	101	1.0	70 - 130	30	
Methylene chloride	ND	5.0	88	87	1.1	97	94	3.1	70 - 130	30	
Naphthalene	ND	5.0	97	97	0.0	91	102	11.4	70 - 130	30	
n-Butylbenzene	ND	1.0	104	105	1.0	116	117	0.9	70 - 130	30	
n-Propylbenzene	ND	1.0	105	106	0.9	112	112	0.0	70 - 130	30	
o-Xylene	ND	2.0	103	103	0.0	114	112	1.8	70 - 130	30	
p-Isopropyltoluene	ND	1.0	105	105	0.0	114	114	0.0	70 - 130	30	
sec-Butylbenzene	ND	1.0	109	110	0.9	118	117	0.9	70 - 130	30	
Styrene	ND	5.0	102	101	1.0	113	112	0.9	70 - 130	30	
tert-butyl alcohol	ND	100	105	101	3.9	91	101	10.4	70 - 130	30	
tert-Butylbenzene	ND	1.0	104	104	0.0	111	110	0.9	70 - 130	30	
Tetrachloroethene	ND	5.0	103	104	1.0	116	117	0.9	70 - 130	30	
Tetrahydrofuran (THF)	ND	5.0	98	97	1.0	96	95	1.0	70 - 130	30	
Toluene	ND	1.0	101	101	0.0	112	111	0.9	70 - 130	30	
trans-1,2-Dichloroethene	ND	5.0	105	106	0.9	116	112	3.5	70 - 130	30	
trans-1,3-Dichloropropene	ND	5.0	101	100	1.0	113	111	1.8	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	109	108	0.9	103	104	1.0	70 - 130	30	
Trichloroethene	ND	5.0	106	108	1.9	117	117	0.0	70 - 130	30	
Trichlorofluoromethane	ND	5.0	115	115	0.0	114	112	1.8	70 - 130	30	
Trichlorotrifluoroethane	ND	5.0	105	107	1.9	107	105	1.9	70 - 130	30	
Vinyl chloride	ND	5.0	111	110	0.9	115	113	1.8	70 - 130	30	
% 1,2-dichlorobenzene-d4	100	%	101	99	2.0	100	101	1.0	70 - 130	30	
% Bromofluorobenzene	97	%	100	98	2.0	101	100	1.0	70 - 130	30	
% Dibromofluoromethane	97	%	96	95	1.0	97	97	0.0	70 - 130	30	
% Toluene-d8	99	%	100	99	1.0	100	100	0.0	70 - 130	30	

QA/QC Data

SDG I.D.: GCC13976

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

Comment:

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

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

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

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

Phyllis Shiller, Laboratory Director
December 19, 2018

Wednesday, December 19, 2018

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

State: NY

Sample Criteria Exceedances Report

GCC13976 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CC13976	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	3400	260	1000	1000	ug/Kg
CC13976	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	3000	260	1700	1700	ug/Kg
CC13976	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	3400	260	1000	1000	ug/Kg
CC13976	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	2700	260	1700	1700	ug/Kg
CC13976	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	720	190	330	330	ug/Kg
CC13976	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	3400	260	1000	1000	ug/Kg
CC13976	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	3200	190	1000	1000	ug/Kg
CC13976	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	2100	260	500	500	ug/Kg
CC13976	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	3000	260	1000	1000	ug/Kg
CC13976	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	3400	260	1000	1000	ug/Kg
CC13976	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2700	260	1000	1000	ug/Kg
CC13976	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2100	260	500	500	ug/Kg
CC13976	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	720	190	330	330	ug/Kg
CC13976	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	3000	260	1000	1000	ug/Kg
CC13976	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	3400	260	1000	1000	ug/Kg
CC13976	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	3200	190	1000	1000	ug/Kg
CC13976	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2100	260	500	500	ug/Kg
CC13976	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3000	260	1000	1000	ug/Kg
CC13976	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3200	190	1000	1000	ug/Kg
CC13976	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3400	260	1000	1000	ug/Kg
CC13976	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	720	190	330	330	ug/Kg
CC13976	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3400	260	1000	1000	ug/Kg
CC13976	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2700	260	800	800	ug/Kg
CC13976	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	15.8	0.75	13	13	mg/Kg
CC13976	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential	3.44	0.37	2.5	2.5	mg/Kg
CC13976	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	3.44	0.37	2.5	2.5	mg/Kg
CC13976	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	46.3	0.37	30		mg/Kg
CC13976	CU-SM	Copper	NY / 375-6.8 Metals / Residential	308	7.5	270	270	mg/kg
CC13976	CU-SM	Copper	NY / 375-6.8 Metals / Residential Restricted	308	7.5	270	270	mg/kg
CC13976	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	308	7.5	50	50	mg/kg
CC13976	HG-SM	Mercury	NY / 375-6.8 Metals / Ground Water Protection	1.29	0.15	0.73	0.73	mg/Kg
CC13976	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	1.29	0.15	0.81	0.81	mg/Kg
CC13976	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	1.29	0.15	0.81	0.81	mg/Kg
CC13976	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.29	0.15	0.18	0.18	mg/Kg
CC13976	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	38.3	0.37	30	30	mg/Kg
CC13976	PB-SMDP	Lead	NY / 375-6.8 Metals / Ground Water Protection	662	7.5	450	450	mg/Kg
CC13976	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	662	7.5	400	400	mg/Kg
CC13976	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	662	7.5	400	400	mg/Kg
CC13976	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	662	7.5	63	63	mg/Kg
CC13976	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	720	7.5	109	109	mg/Kg
CC13977	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential	2.61	0.40	2.5	2.5	mg/Kg

Wednesday, December 19, 2018

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

State: NY

Sample Criteria Exceedances Report

GCC13976 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CC13977	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	2.61	0.40	2.5	2.5	mg/Kg
CC13977	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	159	0.8	50	50	mg/kg
CC13977	HG-SM	Mercury	NY / 375-6.8 Metals / Ground Water Protection	13.0	1.4	0.73	0.73	mg/Kg
CC13977	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	13.0	1.4	0.81	0.81	mg/Kg
CC13977	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	13.0	1.4	0.81	0.81	mg/Kg
CC13977	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	13.0	1.4	0.18	0.18	mg/Kg
CC13977	PB-SMDP	Lead	NY / 375-6.8 Metals / Ground Water Protection	959	8.0	450	450	mg/Kg
CC13977	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	959	8.0	400	400	mg/Kg
CC13977	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	959	8.0	400	400	mg/Kg
CC13977	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	959	8.0	63	63	mg/Kg
CC13977	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	877	8.0	109	109	mg/Kg
CC13978	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	34.8	0.37	30		mg/Kg
CC13978	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	63.9	0.7	50	50	mg/kg
CC13978	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.53	0.14	0.18	0.18	mg/Kg
CC13978	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	43.2	0.37	30	30	mg/Kg
CC13978	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	382	7.4	63	63	mg/Kg
CC13978	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	195	7.4	109	109	mg/Kg
CC13979	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.24	0.13	0.18	0.18	mg/Kg
CC13981	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CC13981	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CC13981	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CC13982	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CC13982	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CC13982	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CC13983	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CC13983	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CC13983	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L

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NY # 11301

Analysis Comments

December 19, 2018 SDG I.D.: GCC13976

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

SVOA Narration

CHEM19 12/13/18-3: CC13976, CC13977, CC13978, CC13979, CC13980

The following Initial Calibration compounds did not meet RSD% criteria: 2,4-Dinitrophenol 26% (20%), 4,6-Dinitro-2-methylphenol 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: 2-Nitrophenol 0.054 (0.1), Hexachlorobenzene 0.090 (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 0.056 (0.1), Hexachlorobenzene 0.086 (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

CHEM02 12/14/18-2: CC13982

The following Initial Calibration compounds did not meet RSD% criteria: Acetone 29% (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 0.028 (0.05), 2-Hexanone 0.085 (0.1), Acetone 0.057 (0.1), Acrolein 0.021 (0.05), Bromoform 0.084 (0.1), Methyl ethyl ketone 0.070 (0.1), Tetrahydrofuran (THF) 0.042 (0.05)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet % deviation criteria: Bromomethane 35%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 0.242 (0.3), 1,2-Dibromo-3-chloropropane 0.029 (0.05), Acrolein 0.019 (0.05), Acrylonitrile 0.049 (0.05), Bromoform 0.083 (0.1), Tetrahydrofuran (THF) 0.038 (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%.

CHEM02 12/15/18-1: CC13981, CC13983

The following Initial Calibration compounds did not meet RSD% criteria: Acetone 29% (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 0.028 (0.05), 2-Hexanone 0.085 (0.1), Acetone 0.057 (0.1), Acrolein 0.021 (0.05), Bromoform 0.084 (0.1), Methyl ethyl ketone 0.070 (0.1), Tetrahydrofuran (THF) 0.042 (0.05)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet % deviation criteria: Bromomethane 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: 1,1,2,2-Tetrachloroethane 0.242 (0.3), 1,2-Dibromo-3-chloropropane 0.030 (0.05), Acrolein 0.021 (0.05), Bromoform 0.089 (0.1), Tetrahydrofuran (THF) 0.037 (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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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

December 19, 2018 SDG I.D.: GCC13976

CHEM03 12/14/18-2: CC13976, CC13977, CC13978, CC13979, CC13980

The following Initial Calibration compounds did not meet RSD% criteria: 1,2,3-Trichlorobenzene 25% (20%), Acetone 36% (20%), Methyl Ethyl Ketone 21% (20%), Naphthalene 33% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: 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 12/15/18-1: CC13976, CC13978

The following Initial Calibration compounds did not meet RSD% criteria: 1,2,3-Trichlorobenzene 25% (20%), Naphthalene 33% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: 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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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

December 19, 2018

SDG I.D.: GCC13976

The samples in this delivery group were received at 3.6°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Cooler: Yes [√] No [ ]
Coolant: IPK [X] ICE [√] No [ ]
Temp 3.1 °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: 188 East 135th Street, Bronx, 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: David Rukk Date: 12-12-18

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: VOCs 8260 | SVOCs 8270 | TAL Metals

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs 8260	SVOCs 8270	TAL Metals	Soil VOA Vials [√] methanol [√] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [√] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
13976	SB1 (10-12')	S	12-12-18	8:15	X	X	X	3	1								
13977	SB2 (7-9')	S		11:45	X	X	X	3	1								
13978	SB3 (7-9')	S		10:30	X	X	X	3	1								
13979	SB4 (8-10')	S		9:45	X	X	X	3	1								
13980	SB5 (8-10')	S		9:00	X	X	X	3	1								
13981	GW1	GW		8:40	X					3							
13982	GW2	GW		10:00	X					3							
13983	GW3	GW	↓	10:45	X					3							

Relinquished by:	Accepted by:	Date:	Time:
David Rukk		12-13-18	13:00
		12-13-18	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
[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
[ ] EQuIS
[ ] NJ Hazsite EDD
[ ] NY EZ EDD (ASP)
[ ] Other

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

State where samples were collected: NY

PHOENIX
Environmental Laboratories, Inc.

Friday, December 14, 2018

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

Project ID: 188 EAST 135TH ST BRONX
Sample ID#s: CC13973 - CC13975

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

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

December 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:	AIR	Collected by:	DR	12/12/18	11:56
Location Code:	EBC	Received by:	SW	12/13/18	16:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	23346				

Laboratory Data

SDG ID: GCC13973
Phoenix ID: CC13973

Project ID: 188 EAST 135TH ST BRONX
Client ID: SV 1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	12/13/18	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	12/13/18	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	12/13/18	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	12/13/18	KCA	1	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	12/13/18	KCA	1	
1,1-Dichloroethene	ND	*0.051*	ND	*0.20*	12/13/18	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	12/13/18	KCA	1	
1,2,4-Trimethylbenzene	0.591	*0.204*	2.90	*1.00*	12/13/18	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	12/13/18	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	12/13/18	KCA	1	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	12/13/18	KCA	1	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	12/13/18	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	12/13/18	KCA	1	
1,3,5-Trimethylbenzene	0.288	*0.204*	1.41	*1.00*	12/13/18	KCA	1	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	12/13/18	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	12/13/18	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	12/13/18	KCA	1	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	12/13/18	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	12/13/18	KCA	1	1
4-Ethyltoluene	0.877	*0.204*	4.31	*1.00*	12/13/18	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	12/13/18	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	12/13/18	KCA	1	
Acetone	121	*2.11*	287	*5.01*	12/14/18	KCA	5	
Acrylonitrile	ND	*0.461*	ND	*1.00*	12/13/18	KCA	1	
Benzene	1.67	*0.313*	5.33	*1.00*	12/13/18	KCA	1	
Benzyl chloride	ND	*0.193*	ND	*1.00*	12/13/18	KCA	1	

Project ID: 188 EAST 135TH ST BRONX
Client ID: SV 1

Phoenix I.D.: CC13973

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	12/13/18	KCA	1	
Bromoform	ND	*0.097*	ND	*1.00*	12/13/18	KCA	1	
Bromomethane	ND	*0.258*	ND	*1.00*	12/13/18	KCA	1	
Carbon Disulfide	4.73	*0.321*	14.7	*1.00*	12/13/18	KCA	1	
Carbon Tetrachloride	ND	*0.032*	ND	*0.20*	12/13/18	KCA	1	
Chlorobenzene	ND	*0.217*	ND	*1.00*	12/13/18	KCA	1	
Chloroethane	ND	*0.379*	ND	*1.00*	12/13/18	KCA	1	
Chloroform	ND	*0.205*	ND	*1.00*	12/13/18	KCA	1	
Chloromethane	ND	*0.485*	ND	*1.00*	12/13/18	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.051*	ND	*0.20*	12/13/18	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	ND	*1.00*	12/13/18	KCA	1	
Cyclohexane	2.49	*0.291*	8.57	*1.00*	12/13/18	KCA	1	
Dibromochloromethane	ND	*0.118*	ND	*1.00*	12/13/18	KCA	1	
Dichlorodifluoromethane	0.295	*0.202*	1.46	*1.00*	12/13/18	KCA	1	
Ethanol	14.6	*0.531*	27.5	*1.00*	12/13/18	KCA	1	1
Ethyl acetate	ND	*0.278*	ND	*1.00*	12/13/18	KCA	1	1
Ethylbenzene	0.926	*0.230*	4.02	*1.00*	12/13/18	KCA	1	
Heptane	10.2	*0.244*	41.8	*1.00*	12/13/18	KCA	1	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	12/13/18	KCA	1	
Hexane	22.0	*0.284*	77.5	*1.00*	12/13/18	KCA	1	
Isopropylalcohol	ND	*0.407*	ND	*1.00*	12/13/18	KCA	1	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	12/13/18	KCA	1	
m,p-Xylene	3.47	*0.230*	15.1	*1.00*	12/13/18	KCA	1	
Methyl Ethyl Ketone	7.46	*0.339*	22.0	*1.00*	12/13/18	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	12/13/18	KCA	1	
Methylene Chloride	18.7	*0.864*	64.9	*3.00*	12/13/18	KCA	1	
n-Butylbenzene	ND	*0.182*	ND	*1.00*	12/13/18	KCA	1	1
o-Xylene	1.23	*0.230*	5.34	*1.00*	12/13/18	KCA	1	
Propylene	ND	*0.581*	ND	*1.00*	12/13/18	KCA	1	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	12/13/18	KCA	1	1
Styrene	0.359	*0.235*	1.53	*1.00*	12/13/18	KCA	1	
Tetrachloroethene	0.553	*0.037*	3.75	*0.25*	12/13/18	KCA	1	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	12/13/18	KCA	1	1
Toluene	4.64	*0.266*	17.5	*1.00*	12/13/18	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	12/13/18	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	ND	*1.00*	12/13/18	KCA	1	
Trichloroethene	ND	*0.037*	ND	*0.20*	12/13/18	KCA	1	
Trichlorofluoromethane	ND	*0.178*	ND	*1.00*	12/13/18	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	ND	*1.00*	12/13/18	KCA	1	
Vinyl Chloride	ND	*0.078*	ND	*0.20*	12/13/18	KCA	1	
QA/QC Surrogates								
% Bromofluorobenzene	88	*%*	88	*%*	12/13/18	KCA	1	

Ver 1

Project ID: 188 EAST 135TH ST BRONX
Client ID: SV 1

Phoenix I.D.: CC13973

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	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 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
December 14, 2018
Reviewed and Released by: Rashmi Makol, Project Manager

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

December 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:	AIR	Collected by:	DR	12/12/18	12:32
Location Code:	EBC	Received by:	SW	12/13/18	16:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	11290				

Laboratory Data

SDG ID: GCC13973
Phoenix ID: CC13974

Project ID: 188 EAST 135TH ST BRONX
Client ID: SV 2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	12/13/18	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	12/13/18	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	12/13/18	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	12/13/18	KCA	1	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	12/13/18	KCA	1	
1,1-Dichloroethene	ND	*0.051*	ND	*0.20*	12/13/18	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	12/13/18	KCA	1	
1,2,4-Trimethylbenzene	0.512	*0.204*	2.52	*1.00*	12/13/18	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	12/13/18	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	12/13/18	KCA	1	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	12/13/18	KCA	1	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	12/13/18	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	12/13/18	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	ND	*1.00*	12/13/18	KCA	1	
1,3-Butadiene	4.02	*0.452*	8.89	*1.00*	12/13/18	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	12/13/18	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	12/13/18	KCA	1	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	12/13/18	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	12/13/18	KCA	1	1
4-Ethyltoluene	0.764	*0.204*	3.75	*1.00*	12/13/18	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	12/13/18	KCA	1	1
4-Methyl-2-pentanone(MIBK)	0.557	*0.244*	2.28	*1.00*	12/13/18	KCA	1	
Acetone	104	*2.11*	247	*5.01*	12/14/18	KCA	5	
Acrylonitrile	ND	*0.461*	ND	*1.00*	12/13/18	KCA	1	
Benzene	0.869	*0.313*	2.77	*1.00*	12/13/18	KCA	1	
Benzyl chloride	ND	*0.193*	ND	*1.00*	12/13/18	KCA	1	

Project ID: 188 EAST 135TH ST BRONX
Client ID: SV 2

Phoenix I.D.: CC13974

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	ND	*1.00*	12/13/18	KCA	1	
Bromoform	ND		*0.097*	ND	*1.00*	12/13/18	KCA	1	
Bromomethane	ND		*0.258*	ND	*1.00*	12/13/18	KCA	1	
Carbon Disulfide	1.65		*0.321*	5.13	*1.00*	12/13/18	KCA	1	
Carbon Tetrachloride	ND		*0.032*	ND	*0.20*	12/13/18	KCA	1	
Chlorobenzene	ND		*0.217*	ND	*1.00*	12/13/18	KCA	1	
Chloroethane	ND		*0.379*	ND	*1.00*	12/13/18	KCA	1	
Chloroform	ND		*0.205*	ND	*1.00*	12/13/18	KCA	1	
Chloromethane	ND		*0.485*	ND	*1.00*	12/13/18	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.051*	ND	*0.20*	12/13/18	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	12/13/18	KCA	1	
Cyclohexane	2.94		*0.291*	10.1	*1.00*	12/13/18	KCA	1	
Dibromochloromethane	ND		*0.118*	ND	*1.00*	12/13/18	KCA	1	
Dichlorodifluoromethane	0.342		*0.202*	1.69	*1.00*	12/13/18	KCA	1	
Ethanol	22.3		*0.531*	42.0	*1.00*	12/13/18	KCA	1	1
Ethyl acetate	ND		*0.278*	ND	*1.00*	12/13/18	KCA	1	1
Ethylbenzene	0.577		*0.230*	2.50	*1.00*	12/13/18	KCA	1	
Heptane	0.936		*0.244*	3.83	*1.00*	12/13/18	KCA	1	
Hexachlorobutadiene	ND		*0.094*	ND	*1.00*	12/13/18	KCA	1	
Hexane	1.63	S	*0.284*	5.74	*1.00*	12/13/18	KCA	1	
Isopropylalcohol	0.710		*0.407*	1.74	*1.00*	12/13/18	KCA	1	
Isopropylbenzene	ND		*0.204*	ND	*1.00*	12/13/18	KCA	1	
m,p-Xylene	2.37		*0.230*	10.3	*1.00*	12/13/18	KCA	1	
Methyl Ethyl Ketone	3.90		*0.339*	11.5	*1.00*	12/13/18	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	ND	*1.00*	12/13/18	KCA	1	
Methylene Chloride	3.52	S	*0.864*	12.2	*3.00*	12/13/18	KCA	1	
n-Butylbenzene	ND		*0.182*	ND	*1.00*	12/13/18	KCA	1	1
o-Xylene	0.779		*0.230*	3.38	*1.00*	12/13/18	KCA	1	
Propylene	97.4		*2.91*	168	*5.01*	12/14/18	KCA	5	1
sec-Butylbenzene	ND		*0.182*	ND	*1.00*	12/13/18	KCA	1	1
Styrene	0.280		*0.235*	1.19	*1.00*	12/13/18	KCA	1	
Tetrachloroethene	0.091		*0.037*	0.62	*0.25*	12/13/18	KCA	1	
Tetrahydrofuran	2.69		*0.339*	7.93	*1.00*	12/13/18	KCA	1	1
Toluene	2.80		*0.266*	10.5	*1.00*	12/13/18	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	12/13/18	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	12/13/18	KCA	1	
Trichloroethene	ND		*0.037*	ND	*0.20*	12/13/18	KCA	1	
Trichlorofluoromethane	ND		*0.178*	ND	*1.00*	12/13/18	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	ND	*1.00*	12/13/18	KCA	1	
Vinyl Chloride	0.190		*0.078*	0.49	*0.20*	12/13/18	KCA	1	
QA/QC Surrogates									
% Bromofluorobenzene	88		*%*	88	*%*	12/13/18	KCA	1	

Ver 1

Project ID: 188 EAST 135TH ST BRONX
Client ID: SV 2

Phoenix I.D.: CC13974

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	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 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:

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
December 14, 2018
Reviewed and Released by: Rashmi Makol, Project Manager

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

December 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:	AIR	Collected by:	DR	12/12/18	12:25
Location Code:	EBC	Received by:	SW	12/13/18	16:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	19425				

Laboratory Data

SDG ID: GCC13973
Phoenix ID: CC13975

Project ID: 188 EAST 135TH ST BRONX
Client ID: SS 1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	12/13/18	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	12/13/18	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	12/13/18	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	12/13/18	KCA	1	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	12/13/18	KCA	1	
1,1-Dichloroethene	ND	*0.051*	ND	*0.20*	12/13/18	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	12/13/18	KCA	1	
1,2,4-Trimethylbenzene	0.979	*0.204*	4.81	*1.00*	12/13/18	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	12/13/18	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	12/13/18	KCA	1	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	12/13/18	KCA	1	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	12/13/18	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	12/13/18	KCA	1	
1,3,5-Trimethylbenzene	0.350	*0.204*	1.72	*1.00*	12/13/18	KCA	1	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	12/13/18	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	12/13/18	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	12/13/18	KCA	1	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	12/13/18	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	12/13/18	KCA	1	1
4-Ethyltoluene	1.25	*0.204*	6.14	*1.00*	12/13/18	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	12/13/18	KCA	1	1
4-Methyl-2-pentanone(MIBK)	0.352	*0.244*	1.44	*1.00*	12/13/18	KCA	1	
Acetone	62.5	*2.11*	148	*5.01*	12/14/18	KCA	5	
Acrylonitrile	ND	*0.461*	ND	*1.00*	12/13/18	KCA	1	
Benzene	1.84	*0.313*	5.87	*1.00*	12/13/18	KCA	1	
Benzyl chloride	ND	*0.193*	ND	*1.00*	12/13/18	KCA	1	

Project ID: 188 EAST 135TH ST BRONX
Client ID: SS 1

Phoenix I.D.: CC13975

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	ND	*1.00*	12/13/18	KCA	1	
Bromoform	ND		*0.097*	ND	*1.00*	12/13/18	KCA	1	
Bromomethane	ND		*0.258*	ND	*1.00*	12/13/18	KCA	1	
Carbon Disulfide	1.17		*0.321*	3.64	*1.00*	12/13/18	KCA	1	
Carbon Tetrachloride	0.053		*0.032*	0.33	*0.20*	12/13/18	KCA	1	
Chlorobenzene	ND		*0.217*	ND	*1.00*	12/13/18	KCA	1	
Chloroethane	ND		*0.379*	ND	*1.00*	12/13/18	KCA	1	
Chloroform	ND		*0.205*	ND	*1.00*	12/13/18	KCA	1	
Chloromethane	ND		*0.485*	ND	*1.00*	12/13/18	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.051*	ND	*0.20*	12/13/18	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	12/13/18	KCA	1	
Cyclohexane	0.310		*0.291*	1.07	*1.00*	12/13/18	KCA	1	
Dibromochloromethane	ND		*0.118*	ND	*1.00*	12/13/18	KCA	1	
Dichlorodifluoromethane	0.304		*0.202*	1.50	*1.00*	12/13/18	KCA	1	
Ethanol	10.5		*0.531*	19.8	*1.00*	12/13/18	KCA	1	1
Ethyl acetate	ND		*0.278*	ND	*1.00*	12/13/18	KCA	1	1
Ethylbenzene	1.26		*0.230*	5.47	*1.00*	12/13/18	KCA	1	
Heptane	0.797		*0.244*	3.26	*1.00*	12/13/18	KCA	1	
Hexachlorobutadiene	ND		*0.094*	ND	*1.00*	12/13/18	KCA	1	
Hexane	0.375	S	*0.284*	1.32	*1.00*	12/13/18	KCA	1	
Isopropylalcohol	1.17		*0.407*	2.87	*1.00*	12/13/18	KCA	1	
Isopropylbenzene	ND		*0.204*	ND	*1.00*	12/13/18	KCA	1	
m,p-Xylene	4.22		*0.230*	18.3	*1.00*	12/13/18	KCA	1	
Methyl Ethyl Ketone	4.24		*0.339*	12.5	*1.00*	12/13/18	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	ND	*1.00*	12/13/18	KCA	1	
Methylene Chloride	ND		*0.864*	ND	*3.00*	12/13/18	KCA	1	
n-Butylbenzene	0.223		*0.182*	1.22	*1.00*	12/13/18	KCA	1	1
o-Xylene	1.49		*0.230*	6.47	*1.00*	12/13/18	KCA	1	
Propylene	1.62		*0.581*	2.79	*1.00*	12/13/18	KCA	1	1
sec-Butylbenzene	ND		*0.182*	ND	*1.00*	12/13/18	KCA	1	1
Styrene	0.676		*0.235*	2.88	*1.00*	12/13/18	KCA	1	
Tetrachloroethene	0.846		*0.037*	5.73	*0.25*	12/13/18	KCA	1	
Tetrahydrofuran	ND		*0.339*	ND	*1.00*	12/13/18	KCA	1	1
Toluene	5.74		*0.266*	21.6	*1.00*	12/13/18	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	12/13/18	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	12/13/18	KCA	1	
Trichloroethene	0.065		*0.037*	0.35	*0.20*	12/13/18	KCA	1	
Trichlorofluoromethane	0.329		*0.178*	1.85	*1.00*	12/13/18	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	ND	*1.00*	12/13/18	KCA	1	
Vinyl Chloride	ND		*0.078*	ND	*0.20*	12/13/18	KCA	1	
QA/QC Surrogates									
% Bromofluorobenzene	79		*%*	79	*%*	12/13/18	KCA	1	

Project ID: 188 EAST 135TH ST BRONX
Client ID: SS 1

Phoenix I.D.: CC13975

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	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 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:

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
December 14, 2018
Reviewed and Released by: Rashmi Makol, 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

QA/QC Report

December 14, 2018

QA/QC Data

SDG I.D.: GCC13973

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
QA/QC Batch 459950 (ppbv), QC Sample No: CC13975 (CC13973 (1X, 5X) , CC13974 (1X, 5X) , CC13975 (1X, 5X))												
Volatiles												
1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	97	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.180	ND	0.98	85	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	95	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.180	ND	0.98	97	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.250	ND	1.01	88	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	83	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.130	ND	0.96	149	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	98	4.81	4.62	0.979	0.941	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	98	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.170	ND	1.02	102	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.250	ND	1.01	85	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.220	ND	1.02	95	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.140	ND	0.98	92	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.200	ND	0.98	100	1.72	1.75	0.350	0.357	NC	70 - 130	25
1,3-Butadiene	ND	0.450	ND	0.99	90	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.170	ND	1.02	102	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.170	ND	1.02	100	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.280	ND	1.01	100	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.240	ND	0.98	94	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.200	ND	0.98	101	6.14	5.85	1.25	1.19	4.9	70 - 130	25
4-Isopropyltoluene	ND	0.180	ND	0.99	103	ND	ND	ND	ND	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.240	ND	0.98	91	1.44	1.54	0.352	0.377	NC	70 - 130	25
Acetone	ND	0.420	ND	1.00	82	131	129	55.1	54.5	1.1	70 - 130	25
Acrylonitrile	ND	0.460	ND	1.00	89	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.310	ND	0.99	90	5.87	5.59	1.84	1.75	5.0	70 - 130	25
Benzyl chloride	ND	0.190	ND	0.98	106	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.150	ND	1.00	102	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.097	ND	1.00	103	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.260	ND	1.01	86	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.320	ND	1.00	83	3.64	3.36	1.17	1.08	NC	70 - 130	25
Carbon Tetrachloride	ND	0.032	ND	0.20	88	0.33	0.30	0.053	0.047	NC	70 - 130	25
Chlorobenzene	ND	0.220	ND	1.01	103	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.380	ND	1.00	85	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.200	ND	0.98	89	ND	ND	ND	ND	NC	70 - 130	25
Chloromethane	ND	0.480	ND	0.99	82	ND	ND	ND	ND	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.050	ND	0.20	89	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	98	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.290	ND	1.00	92	1.07	1.06	0.310	0.309	NC	70 - 130	25
Dibromochloromethane	ND	0.120	ND	1.02	98	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	93	1.50	1.45	0.304	0.293	NC	70 - 130	25
Ethanol	ND	0.530	ND	1.00	99	19.8	17.5	10.5	9.27	12.4	70 - 130	25

QA/QC Data

SDG I.D.: GCC13973

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Ethyl acetate	ND	0.280	ND	1.01	80	ND	ND	ND	ND	NC	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	101	5.47	5.64	1.26	1.30	3.1	70 - 130	25
Heptane	ND	0.240	ND	0.98	89	3.26	2.93	0.797	0.715	NC	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	123	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.280	ND	0.99	89	1.32 S	ND	0.375 S	ND	NC	70 - 130	25
Isopropylalcohol	ND	0.410	ND	1.01	82	2.87	2.92	1.17	1.19	NC	70 - 130	25
Isopropylbenzene	ND	0.200	ND	0.98	100	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	99	18.3	18.4	4.22	4.25	0.7	70 - 130	25
Methyl Ethyl Ketone	ND	0.340	ND	1.00	78	12.5	12.9	4.24	4.38	3.2	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	87	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.860	ND	2.99	81	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.180	ND	0.99	99	1.22	1.26	0.223	0.229	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	104	6.47	6.29	1.49	1.45	2.7	70 - 130	25
Propylene	ND	0.580	ND	1.00	95	2.79	2.89	1.62	1.68	NC	70 - 130	25
sec-Butylbenzene	ND	0.180	ND	0.99	96	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.230	ND	0.98	104	2.88	3.39	0.676	0.797	NC	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	104	5.73	6.14	0.846	0.906	6.8	70 - 130	25
Tetrahydrofuran	ND	0.340	ND	1.00	88	ND	ND	ND	ND	NC	70 - 130	25
Toluene	ND	0.270	ND	1.02	97	21.6	21.4	5.74	5.69	0.9	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	85	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	95	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	100	0.35	0.30	0.065	0.056	NC	70 - 130	25
Trichlorofluoromethane	ND	0.180	ND	1.01	85	1.85	1.56	0.329	0.278	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.130	ND	1.00	86	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	91	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	98		98		105	79	83	79	83	NC	70 - 130	25

I = This parameter is outside laboratory LCS/LCSD specified recovery limits.

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

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

Phyllis Shiller, Laboratory Director
December 14, 2018

Friday, December 14, 2018

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCC13973 - 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.

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

December 14, 2018 SDG I.D.: GCC13973

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.

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: Keith Butler
Customer: EBC
Address:

Invoice to: EBC

Sampled by: David Rukk.

Project Name: 188 East 135th Street, Bronx
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	
	Did not use	23346	6.0	-30		4985	43										
13973	SV 1	19589			-6	4959		10:08	11:56	12-12-18	-28	-5		X			X
13974	SV2	11290			-3	5652		10:21	12:32	12-12-18	-30	-5		X			X
13975	SS1	19425			-7	5593		10:15	12:25	12-12-18	-29	-5		X			X

Relinquished by:	Accepted by:	Date:	Time:
David Rukk.		12-13-18	13:00
		12-13-18	11:30

Data Format: Excel ☒ Equis ☐
Turnaround Time:
☐ 24 Hour ☐ 48 H

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:
(47)(6.0)(24HR)

Requested Criteria

Quote Number:

I attest that all media released received in good working cr back of this document:

Signature:

APPENDIX B

Soil Boring Logs

Geologic Boring Log Details

BRUSSEE Environmental Corp.
14 EVANS LANE, MILLER PLACE, NY 11764
CELL: 631-338-1749

20SB1

Location: Northwest corner of the Site; adjacent to the railroad tracks and the Harlem River.		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: Redevelopment Site	Address: 188 E 135th Street, Bronx, NY 10451	Date / DTW: Groundwater depth	Ground Elevation
Drilling Company: Coastal Environmental Solutions	Method: Geoprobe 6620DT		Well Specifications
Date Started: 9/20/2021	Date Completed: 9/20/2021		
Completion Depth: 10 Feet	Geologist Robert Bennett		

20SB1 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	49		0.0	4" asphalt 45" brown/dark brown sandy silt, some gravel,pockets of crushed rock, no odor **Retained soil samples 20SB1(0-2') & 20SB1(3-5')*
	5 to 10	37		0.0	37" brown/dark brown sandy silt, some gravel,pockets of crushed rock, no odor

Geologic Boring Log Details

BRUSSEE Environmental Corp.
14 EVANS LANE, MILLER PLACE, NY 11764
CELL: 631-338-1749

20SB2

Location: Northeast corner of the Site; adjacent to the railroad tracks and the Harlem River.		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: Redevelopment Site	Address: 188 E 135th Street, Bronx, NY 10451	Date / DTW	Ground Elevation
		Groundwater depth	
Drilling Company: Coastal Environmental Solutions	Method: Geoprobe 6620DT		Well Specifications
Date Started: 9/20/2021	Date Completed: 9/20/2021		
Completion Depth: 10 Feet	Geologist Robert Bennett		

20SB2 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	33		2.4	4" asphalt 16" light brown clayey-sandy silt, trace gravel, no odor 13" black silty-gravelly sand, slight odor **Retained soil samples 20SB2(0-2') & 20SB2(3-5')*
	5 to 10	40		0.0	40" brown/dark brown sandy silt, some gravel,pockets of crushed rock, no odor

Geologic Boring Log Details

BRUSSEE Environmental Corp.
14 EVANS LANE, MILLER PLACE, NY 11764
CELL: 631-338-1749

20SB3

Location: Northwest portion of the Site along the western property boundary.		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: Redevelopment Site	Address: 188 E 135th Street, Bronx, NY 10451	Date / DTW: Groundwater depth	Ground Elevation
Drilling Company: Coastal Environmental Solutions	Method: Geoprobe 6620DT		Well Specifications
Date Started: 9/20/2021	Date Completed: 9/20/2021		
Completion Depth: 10 Feet	Geologist Robert Bennett		

20SB3 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	42		2.4	4" asphalt 10" (FILL) dark brown/gray coarse sand and gravel, brick, asphalt, no odor 28" sandy silt, some gravel, no odor **Retained soil samples 20SB3(0-2') & 20SB3(3-5')*
	5 to 10	44		0.0	44" brown/dark brown sandy silt, some gravel,pockets of crushed rock, no odor

Geologic Boring Log Details

BRUSSEE Environmental Corp.
14 EVANS LANE, MILLER PLACE, NY 11764
CELL: 631-338-1749

20SB4

Location: Approximate center of Site.		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: Redevelopment Site	Address: 188 E 135th Street, Bronx, NY 10451	Date / DTW: Groundwater depth	Ground Elevation
Drilling Company: Coastal Environmental Solutions	Method: Geoprobe 6620DT		Well Specifications
Date Started: 9/20/2021	Date Completed: 9/20/2021		
Completion Depth: 10 Feet	Geologist Robert Bennett		

20SB4 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	51		0.0	4" asphalt 45" brown/dark brown sandy silt, some gravel,pockets of crushed rock, no odor **Retained soil samples 20SB4(0-2') & 20SB4(3-5')*
	5 to 10	40		0.0	37" brown/dark brown sandy silt, some gravel,pockets of crushed rock, no odor

Geologic Boring Log Details

BRUSSEE Environmental Corp.
14 EVANS LANE, MILLER PLACE, NY 11764
CELL: 631-338-1749

20SB5

Location: West side of the Site.		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: Redevelopment Site	Address: 188 E 135th Street, Bronx, NY 10451	Date / DTW: Groundwater depth	Ground Elevation
Drilling Company: Coastal Environmental Solutions	Method: Geoprobe 6620DT		Well Specifications
Date Started: 9/20/2021	Date Completed: 9/20/2021		
Completion Depth: 10 Feet	Geologist Robert Bennett		

20SB5 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	33		0.0	4" asphalt 16" (FILL) brown/dark brown sandy silt, some gravel, brick pockets of crushed rock, no odor 13" (FILL) gray brown silty sand, brick, gravel, no odor **Retained soil samples 20SB5(0-2') & 20SB5(3-5')*
	5 to 10	45		0.0	15" (FILL) gray brown silty sand, brick, gravel, pockets of crushed rock, no odor 30" brown/dark brown sandy silt, some gravel, pockets of crushed rock, no odor

Geologic Boring Log Details

BRUSSEE Environmental Corp.
14 EVANS LANE, MILLER PLACE, NY 11764
CELL: 631-338-1749

20SB6

Location: Southwest corner of Site.		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: Redevelopment Site	Address: 188 E 135th Street, Bronx, NY 10451	Date / DTW	Ground Elevation
		Groundwater depth	
Drilling Company: Coastal Environmental Solutions	Method: Geoprobe 6620DT		Well Specifications
Date Started: 9/20/2021	Date Completed: 9/20/2021		
Completion Depth: 10 Feet	Geologist Robert Bennett		

20SB6 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	36		0.0	4" asphalt 10" brown/dark brown sandy silt, some gravel, no odor 22" (FILL) gray brown silty sand, brick, gravel, no odor **Retained soil samples 20SB6(0-2') & 20SB6(3-5')*
	to 10	43		0.0	12" (FILL) gray brown silty sand, brick, gravel, no odor 31" brown/dark brown sandy silt, some gravel,pockets of crushed rock, no odor

Geologic Boring Log Details

BRUSSEE Environmental Corp.
14 EVANS LANE, MILLER PLACE, NY 11764
CELL: 631-338-1749

20SB7

Location: East side of Site below slab on grade foundation of onsite building.		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: Redevelopment Site	Address: 188 E 135th Street, Bronx, NY 10451	Date / DTW	Ground Elevation
		Groundwater depth	
Drilling Company: Coastal Environmental Solutions	Method: Hand Auger		Well Specifications
Date Started: 9/20/2021	Date Completed: 9/20/2021		
Completion Depth: 10 Feet	Geologist Robert Bennett		

20SB7 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to	60		0.0	4" concrete 28" (FILL) dark brown/black coarse sand and gravel, brick fragments, no odor 38" brown sandy silt, trace gravel, no odor **Retained soil samples 20SB7(0-2') & 20SB7(3-5')*
	5				

APPENDIX C

Soil Vapor Sampling Log

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

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

P.O. #
Page 1 of 1

Data Delivery:
☐ Fax #:
☒ Email: kevinbrussee@hotmail.com
☒ Phone #: (631) 338-1749

Report to: Kevin Brussee
Customer: Brussee Environmental Corp
Address: 14 Evans Lane
Miller Place NY

Project Name: 188 E 135th Street
Invoice to: BEC
Sampled by: RB 10/1/21

Data Format: (Circle) Equis (Excel) Other:
Requested Deliverable: RCP ASP CAT B MCP NJ Deliverables
Quote Number:

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-15	APH
		THIS SECTION FOR LAB USE ONLY											MATRIX			ANALYSES	
	20SV1	12867	6.0	-30		3258	43	1420	1620	10/1/21	-30	-8		X	G	X	
	20SV2	28583	↓	↓		4980	↓	1425	1625	10/1/21	-27	-7		X	G	X	
	20SV3	18111	↓	↓		3250	↓	1430	1650	10/1/21	-30	-7		X	G	X	
	20SV4	11257	↓	↓		5647	↓	1435	1655	10/1/21	-29	-6		X	G	X	
	20SV5	28592	↓	↓		5394	↓	1440	1640	10/1/21	-30	-7		X	G	X	

Relinquished by: [signature] | Accepted by: | Date: | Time:

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: [signature] Date: 10/1/21

State Where Samples Collected: NY

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:
5 (6L) 24hr

Turnaround Time: 1 Day ☐ 2 Day ☐ 3 Day ☐ 4 Day ☐ 5 Day ☒

Requested Criteria: (Please Circle)
CT: TAC I/C, TAC RES, SVVC I/C, SVVC RES, GWV I/C, GWV CES
MA: Indoor Air: Residential, Ind/Commercial; Soil Gas: Residential, Ind/Commercial
NJ: Indoor Air: Residential, Ind/Commercial; Soil Gas: Residential, Ind/Commercial
NY: (Vapor Intrusion)
PA: Indoor Air: Residential, Non-residential
VT: Indoor Air: Residential, Industrial; Sub-slab: Residential, Industrial

PEL-113 Rev. 9/2017

APPENDIX D

Groundwater Sampling Logs

BRUSSEE
Environmental Corp.

GROUNDWATER PURGE / SAMPLE LOGS

188 E 135th Street, Bronx NY

Well I.D.: 20MW1

Date: 10/1/2021

Well Depth (from TOC): 14.96

Equipment: Peristaltic Pump, HDPE tubing

Static Water Level (from TOC): 9.56

Height of Water in Well: 5.4

Gallons of Water per Well Volume: 0.22

Minimum Purgel Volume: 0.66

Flow Rate: 400ml/min

Time	Pump Rate	Gal. Removed	pH	Cond. (uS/cm)	Temp. (deg. F)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
14:35	0.11 GPM	0								Brown, Turbid
14:40	0.11 GPM	0.5								Brown, Turbid
14:45	0.11 GPM	1								Light Brown, Turbid
14:50	0.11 GPM	1.5								Cloudy
14:55	0.11 GPM	2								Cloudy

Comments:

Sampled at 15:00

GPM = gallons per minute

Note 400 ml = 0.11 gallons

BRUSSEE Environmental Corp.

GROUNDWATER PURGE / SAMPLE LOGS

188 E 135th Street, Bronx NY

Well I.D.: 20MW2

Date: 10/1/2021

Well Depth (from TOC): 17.91

Equipment: Peristaltic Pump, HDPE tubing

Static Water Level (from TOC): 12.14

Height of Water in Well: 5.77

Gallons of Water per Well Volume: 0.24

Minimum Purgel Volume: 0.67

Flow Rate: 400ml/min

Time	Pump Rate	Gal. Removed	pH	Cond. (uS/cm)	Temp. (deg. F)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
13:55	0.11 GPM	0								Brown, Turbid
14:00	0.11 GPM	0.5								Light Brown, Turbid
14:05	0.11 GPM	1								Light Brown, Turbid
14:10	0.11 GPM	1.5								Cloudy
14:15	0.11 GPM	2								Clear

Comments:

Sampled at 14:30

GPM = gallons per minute

Note 400 ml = 0.11 gallons

GROUNDWATER PURGE / SAMPLE LOGS

188 E 135th Street, Bronx NY

Well I.D.: 20MW3

Date: 10/1/2021

Well Depth (from TOC): 18.01

Equipment: Peristaltic Pump, HDPE tubing

Static Water Level (from TOC): 12.6

Height of Water in Well: 5.41

Gallons of Water per Well Volume: 0.22

Minimum Purgel Volume: 0.66

Flow Rate: 400ml/min

Time	Pump Rate	Gal. Removed	pH	Cond. (uS/cm)	Temp. (deg. F)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
15:05	0.11 GPM	0								Light Brown, Turbid
15:10	0.11 GPM	0.5								Light Brown, Turbid
15:15	0.11 GPM	1								Cloudy
15:20	0.11 GPM	1.5								Clear
15:25	0.11 GPM	2								Clear

Comments:

Sampled at 15:30

GPM = gallons per minute

Note 400 ml = 0.11 gallons

BRUSSEE
Environmental Corp.

GROUNDWATER PURGE / SAMPLE LOGS

188 E 135th Street, Bronx NY

Well I.D.: 20MW4

Date: 10/1/2021

Well Depth (from TOC): 17.48

Equipment: Peristaltic Pump, HDPE tubing

Static Water Level (from TOC): 11.87

Height of Water in Well: 5.61

Gallons of Water per Well Volume: 0.23

Minimum Purgel Volume: 0.69

Flow Rate: 400ml/min

Time	Pump Rate	Gallons Removed	pH	Cond. (uS/cm)	Temp. (deg. F)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
15:35	0.11 GPM	0								Brown, Turbid
15:40	0.11 GPM	0.5								Light Brown, Cloudy
15:45	0.11 GPM	1								Cloudy
15:50	0.11 GPM	1.5								Clear

Comments:

Sampled at 16:00

GPM = gallons per minute

Note 400 ml = 0.11 gallons

APPENDIX E

Laboratory Reports – Phoenix

(Soil, Groundwater, Soil Vapor)

PHOENIX
Environmental Laboratories, Inc.

Tuesday, October 12, 2021

Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Project ID: **188 E 135TH STREET**
SDG ID: **GCJ48515**
Sample ID#s: CJ48515 - CJ48520

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 are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

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

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

NY # 11301

SDG Comments

October 12, 2021

SDG I.D.: GCJ48515

8260 Volatile Organics:
1,2-Dibromoethane, 1,2,3 Trichloropropane, and 1,2-Dibromo-3-chloropropane do not meet NY TOGS GA criteria, these compounds are analyzed by GC/FID method 504 or 8011 to achieve this criteria.

SIM Analysis:
The lowest possible reporting limit under SIM conditions is 0.02 ug/L. The NY TOGS GA criteria for some PAHs is 0.002 ug/L. This level can not be achieved.

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

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

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.

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

NY # 11301

Sample Id Cross Reference

October 12, 2021

SDG I.D.: GCJ48515

Project ID: 188 E 135TH STREET

Client Id	Lab Id	Matrix
20 MW 1	CJ48515	GROUND WATER
20 MW 2	CJ48516	GROUND WATER
20 MW 3	CJ48517	GROUND WATER
20 MW 4	CJ48518	GROUND WATER
DUP	CJ48519	GROUND WATER
TRIP BLANK	CJ48520	GROUND WATER

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 12, 2021

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		10/01/21	15:00
Location Code:	BRUSSEE	Received by:	SW	10/04/21	16:47
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCJ48515
Phoenix ID: CJ48515

Project ID: 188 E 135TH STREET
Client ID: 20 MW 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.005	0.001	mg/L	1	10/06/21	EK	SW6010D
Aluminum	3.75	0.020	0.01	mg/L	1	10/06/21	EK	SW6010D
Arsenic - LDL	0.008	0.004	0.004	mg/L	1	10/06/21	EK	SW6010D
Barium	0.126	0.010	0.001	mg/L	1	10/06/21	EK	SW6010D
Beryllium	ND	0.001	0.001	mg/L	1	10/06/21	EK	SW6010D
Calcium	108	0.010	0.01	mg/L	1	10/06/21	EK	SW6010D
Cadmium	ND	0.004	0.0005	mg/L	1	10/06/21	EK	SW6010D
Cobalt	0.006	0.005	0.001	mg/L	1	10/06/21	EK	SW6010D
Chromium	0.006	0.001	0.001	mg/L	1	10/06/21	EK	SW6010D
Copper	0.019	0.005	0.001	mg/L	1	10/06/21	EK	SW6010D
Silver (Dissolved)	ND	0.005	0.001	mg/L	1	10/05/21	EK	SW6010D
Aluminum (Dissolved)	0.016	0.011	0.0026	mg/L	1	10/05/21	EK	SW6010D
Arsenic, (Dissolved)	0.004	0.003	0.001	mg/L	1	10/05/21	EK	SW6010D
Barium (Dissolved)	0.080	0.011	0.001	mg/L	1	10/05/21	EK	SW6010D
Beryllium (Dissolved)	ND	0.001	0.001	mg/L	1	10/05/21	EK	SW6010D
Calcium (Dissolved)	97.8	0.01	0.003	mg/L	1	10/05/21	EK	SW6010D
Cadmium (Dissolved)	ND	0.004	0.0005	mg/L	1	10/05/21	EK	SW6010D
Cobalt, (Dissolved)	0.001	J 0.005	0.001	mg/L	1	10/05/21	EK	SW6010D
Chromium (Dissolved)	ND	0.001	0.001	mg/L	1	10/05/21	EK	SW6010D
Copper, (Dissolved)	0.002	J 0.005	0.001	mg/L	1	10/05/21	EK	SW6010D
Iron, (Dissolved)	ND	0.01	0.01	mg/L	1	10/05/21	EK	SW6010D
Mercury (Dissolved)	ND	0.0002	0.00015	mg/L	1	10/05/21	AP	SW7470A
Potassium (Dissolved)	17.7	0.1	0.1	mg/L	1	10/05/21	EK	SW6010D
Magnesium (Dissolved)	34.4	0.01	0.01	mg/L	1	10/05/21	EK	SW6010D
Manganese, (Dissolved)	1.46	0.005	0.001	mg/L	1	10/05/21	EK	SW6010D
Sodium (Dissolved)	315	1.1	1.1	mg/L	10	10/06/21	EK	SW6010D
Nickel, (Dissolved)	0.003	J 0.004	0.001	mg/L	1	10/06/21	EK	SW6010D
Lead (Dissolved)	ND	0.002	0.001	mg/L	1	10/05/21	EK	SW6010D

Ver 1

Project ID: 188 E 135TH STREET
Client ID: 20 MW 1

Phoenix I.D.: CJ48515

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Antimony (Dissolved)-LDL	0.0022	0.0003	0.0001	mg/L	1	10/06/21	CPP	SW6020B	
Selenium (Dissolved)-LDL	ND	0.002	0.0001	mg/L	1	10/06/21	CPP	SW6020B	
Thallium (Dissolved)	ND	0.0003	0.0001	mg/L	1	10/06/21	CPP	SW6020B	
Vanadium, (Dissolved)	ND	0.011	0.001	mg/L	1	10/05/21	EK	SW6010D	
Zinc, (Dissolved)	0.003 J	0.011	0.002	mg/L	1	10/05/21	EK	SW6010D	
Iron	11.1	0.01	0.01	mg/L	1	10/06/21	EK	SW6010D	
Mercury	ND	0.0002	0.00015	mg/L	1	10/05/21	AP	SW7470A	
Potassium	21.2	0.1	0.01	mg/L	1	10/06/21	EK	SW6010D	
Magnesium	39.8	0.010	0.01	mg/L	1	10/06/21	EK	SW6010D	
Manganese	1.94	0.005	0.001	mg/L	1	10/06/21	EK	SW6010D	
Sodium	308	1.0	1.0	mg/L	10	10/07/21	CPP	SW6010D	
Nickel	0.010	0.004	0.001	mg/L	1	10/06/21	CPP	SW6010D	
Lead	0.028	0.002	0.001	mg/L	1	10/06/21	EK	SW6010D	
Antimony	ND	0.0030	0.0005	mg/L	5	10/07/21	CPP	SW6020B	
Selenium	0.001 J	0.010	0.0005	mg/L	5	10/07/21	CPP	SW6020B	
Thallium	ND	0.0005	0.0005	mg/L	5	10/07/21	CPP	SW6020B	
Vanadium	0.007 J	0.010	0.001	mg/L	1	10/06/21	EK	SW6010D	
Zinc	0.043	0.010	0.0011	mg/L	1	10/06/21	EK	SW6010D	
Filtration	Completed					10/04/21	TH	0.45um Filter	
Dissolved Mercury Digestion	Completed					10/05/21	AB/AB	SW7470A	
Mercury Digestion	Completed					10/05/21	AB/AB	SW7470A	
PCB Extraction (LDL)	Completed					10/04/21	F/F	SW3510C	
Extraction for Pest (LDL)	Completed					10/04/21	F/F	SW3510C	
Semi-Volatile Extraction	Completed					10/04/21	P/K	SW3520C	
Dissolved Metals Preparation	Completed					10/04/21	TH	SW3005A	
Dissolved Metals Preparation	Completed					10/04/21	TH	SW3005A	
Total Metals Digestion	Completed					10/05/21	TH		
Total Metals Digestion MS	Completed					10/05/21	TH		

Pesticides

4,4' -DDD	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B	
4,4' -DDE	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B	
4,4' -DDT	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B	
a-BHC	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B	
a-chlordane	ND	0.010	0.010	ug/L	1	10/06/21	AW	SW8081B	
Alachlor	ND	0.077	0.077	ug/L	1	10/06/21	AW	SW8081B	1
Aldrin	ND	0.002	0.002	ug/L	1	10/06/21	AW	SW8081B	
b-BHC	ND	0.010	0.010	ug/L	1	10/06/21	AW	SW8081B	
Chlordane	ND	0.020	0.020	ug/L	1	10/06/21	AW	SW8081B	
d-BHC	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B	
Dieldrin	ND	0.004	0.004	ug/L	1	10/06/21	AW	SW8081B	
Endosulfan I	ND	0.010	0.010	ug/L	1	10/06/21	AW	SW8081B	
Endosulfan II	ND	0.010	0.010	ug/L	1	10/06/21	AW	SW8081B	
Endosulfan Sulfate	ND	0.010	0.010	ug/L	1	10/06/21	AW	SW8081B	
Endrin	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B	
Endrin Aldehyde	ND	0.010	0.010	ug/L	1	10/06/21	AW	SW8081B	
Endrin ketone	ND	0.010	0.010	ug/L	1	10/06/21	AW	SW8081B	
g-BHC (Lindane)	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B	
g-chlordane	ND	0.010	0.010	ug/L	1	10/06/21	AW	SW8081B	

Ver 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Heptachlor	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B
Heptachlor epoxide	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B
Methoxychlor	ND	0.10	0.10	ug/L	1	10/06/21	AW	SW8081B
Toxaphene	ND	0.20	0.20	ug/L	1	10/06/21	AW	SW8081B
QA/QC Surrogates								
%DCBP (Surrogate Rec)	89			%	1	10/06/21	AW	30 - 150 %
%DCBP (Surrogate Rec) (Confirmation)	75			%	1	10/06/21	AW	30 - 150 %
%TCMX (Surrogate Rec)	75			%	1	10/06/21	AW	30 - 150 %
%TCMX (Surrogate Rec) (Confirmation)	68			%	1	10/06/21	AW	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	0.051	0.051	ug/L	1	10/05/21	SC	SW8082A
PCB-1221	ND	0.051	0.051	ug/L	1	10/05/21	SC	SW8082A
PCB-1232	ND	0.051	0.051	ug/L	1	10/05/21	SC	SW8082A
PCB-1242	ND	0.051	0.051	ug/L	1	10/05/21	SC	SW8082A
PCB-1248	ND	0.051	0.051	ug/L	1	10/05/21	SC	SW8082A
PCB-1254	ND	0.051	0.051	ug/L	1	10/05/21	SC	SW8082A
PCB-1260	ND	0.051	0.051	ug/L	1	10/05/21	SC	SW8082A
PCB-1262	ND	0.051	0.051	ug/L	1	10/05/21	SC	SW8082A
PCB-1268	ND	0.051	0.051	ug/L	1	10/05/21	SC	SW8082A
QA/QC Surrogates								
% DCBP	84			%	1	10/05/21	SC	30 - 150 %
% DCBP (Confirmation)	86			%	1	10/05/21	SC	30 - 150 %
% TCMX	74			%	1	10/05/21	SC	30 - 150 %
% TCMX (Confirmation)	77			%	1	10/05/21	SC	30 - 150 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	10/06/21	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	10/06/21	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	10/06/21	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	10/06/21	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	10/06/21	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	10/06/21	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	10/06/21	MH	SW8260C

Project ID: 188 E 135TH STREET
Client ID: 20 MW 1

Phoenix I.D.: CJ48515

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2-Isopropyltoluene	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	1
4-Chlorotoluene	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
4-Methyl-2-pentanone	ND		2.5	2.5	ug/L	1	10/06/21	MH	SW8260C	
Acetone	3.6	JS	5.0	2.5	ug/L	1	10/06/21	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	10/06/21	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	10/06/21	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	10/06/21	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	10/06/21	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	10/06/21	MH	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	10/06/21	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	10/06/21	MH	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	10/06/21	MH	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	10/06/21	MH	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	10/06/21	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	10/06/21	MH	SW8260C	
Trichloroethene	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	

QA/QC Surrogates

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% 1,2-dichlorobenzene-d4	101			%	1	10/06/21	MH	70 - 130 %	
% Bromofluorobenzene	94			%	1	10/06/21	MH	70 - 130 %	
% Dibromofluoromethane	96			%	1	10/06/21	MH	70 - 130 %	
% Toluene-d8	101			%	1	10/06/21	MH	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	100	50	ug/l	1	10/06/21	MH	SW8260C	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Acrolein	ND	5.0	2.5	ug/L	1	10/06/21	MH	SW8260C	
Acrylonitrile	ND	5.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Tert-butyl alcohol	ND	50	10	ug/L	1	10/06/21	MH	SW8260C	
1,4-dioxane									
1,4-dioxane	ND	0.20	0.20	ug/l	1	10/06/21	AW	SW8270DSIM	1
QA/QC Surrogates									
% 1,4-dioxane-d8	99			%	1	10/06/21	AW	70 - 130 %	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	3.4	3.4	ug/L	1	10/07/21	WB	SW8270D	
1,2,4-Trichlorobenzene	ND	4.9	1.5	ug/L	1	10/07/21	WB	SW8270D	
1,2-Dichlorobenzene	ND	0.98	0.98	ug/L	1	10/07/21	WB	SW8270D	
1,2-Diphenylhydrazine	ND	4.9	1.6	ug/L	1	10/07/21	WB	SW8270D	
1,3-Dichlorobenzene	ND	0.98	0.98	ug/L	1	10/07/21	WB	SW8270D	
1,4-Dichlorobenzene	ND	0.98	0.98	ug/L	1	10/07/21	WB	SW8270D	
2,4,5-Trichlorophenol	ND	0.98	0.98	ug/L	1	10/07/21	WB	SW8270D	
2,4,6-Trichlorophenol	ND	0.98	0.98	ug/L	1	10/07/21	WB	SW8270D	
2,4-Dichlorophenol	ND	0.98	0.98	ug/L	1	10/07/21	WB	SW8270D	
2,4-Dimethylphenol	ND	0.98	0.98	ug/L	1	10/07/21	WB	SW8270D	
2,4-Dinitrophenol	ND	0.98	0.98	ug/L	1	10/07/21	WB	SW8270D	
2,4-Dinitrotoluene	ND	4.9	1.9	ug/L	1	10/07/21	WB	SW8270D	
2,6-Dinitrotoluene	ND	4.9	1.5	ug/L	1	10/07/21	WB	SW8270D	
2-Chloronaphthalene	ND	4.9	1.4	ug/L	1	10/07/21	WB	SW8270D	
2-Chlorophenol	ND	0.98	0.98	ug/L	1	10/07/21	WB	SW8270D	
2-Methylnaphthalene	ND	4.9	1.5	ug/L	1	10/07/21	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	0.98	0.98	ug/L	1	10/07/21	WB	SW8270D	
2-Nitroaniline	ND	4.9	2.0	ug/L	1	10/07/21	WB	SW8270D	
2-Nitrophenol	ND	0.98	0.98	ug/L	1	10/07/21	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	0.98	0.98	ug/L	1	10/07/21	WB	SW8270D	
3,3'-Dichlorobenzidine	ND	4.9	2.3	ug/L	1	10/07/21	WB	SW8270D	
3-Nitroaniline	ND	4.9	2.0	ug/L	1	10/07/21	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	0.98	0.98	ug/L	1	10/07/21	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	4.9	1.4	ug/L	1	10/07/21	WB	SW8270D	
4-Chloro-3-methylphenol	ND	0.98	0.98	ug/L	1	10/07/21	WB	SW8270D	
4-Chloroaniline	ND	3.4	2.3	ug/L	1	10/07/21	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	4.9	1.6	ug/L	1	10/07/21	WB	SW8270D	
4-Nitroaniline	ND	4.9	1.6	ug/L	1	10/07/21	WB	SW8270D	
4-Nitrophenol	ND	0.98	0.98	ug/L	1	10/07/21	WB	SW8270D	
Acenaphthene	ND	4.9	1.5	ug/L	1	10/07/21	WB	SW8270D	

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Phoenix I.D.: CJ48515

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetophenone	ND	4.9	1.5	ug/L	1	10/07/21	WB	SW8270D	
Aniline	ND	3.4	3.4	ug/L	1	10/07/21	WB	SW8270D	
Anthracene	ND	4.9	1.6	ug/L	1	10/07/21	WB	SW8270D	
Benzidine	ND	4.4	2.9	ug/L	1	10/07/21	WB	SW8270D	
Benzoic acid	ND	25	9.8	ug/L	1	10/07/21	WB	SW8270D	
Benzyl butyl phthalate	ND	4.9	1.3	ug/L	1	10/07/21	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	4.9	1.4	ug/L	1	10/07/21	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	0.98	0.98	ug/L	1	10/07/21	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	4.9	1.4	ug/L	1	10/07/21	WB	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND	0.98	0.98	ug/L	1	10/07/21	WB	SW8270D	
Carbazole	ND	4.9	3.7	ug/L	1	10/07/21	WB	SW8270D	
Dibenzofuran	ND	4.9	1.4	ug/L	1	10/07/21	WB	SW8270D	
Diethyl phthalate	ND	4.9	1.5	ug/L	1	10/07/21	WB	SW8270D	
Dimethylphthalate	ND	4.9	1.5	ug/L	1	10/07/21	WB	SW8270D	
Di-n-butylphthalate	ND	4.9	1.3	ug/L	1	10/07/21	WB	SW8270D	
Di-n-octylphthalate	ND	4.9	1.3	ug/L	1	10/07/21	WB	SW8270D	
Fluoranthene	ND	4.9	1.6	ug/L	1	10/07/21	WB	SW8270D	
Fluorene	ND	4.9	1.6	ug/L	1	10/07/21	WB	SW8270D	
Hexachloroethane	ND	0.98	0.98	ug/L	1	10/07/21	WB	SW8270D	
Isophorone	ND	4.9	1.4	ug/L	1	10/07/21	WB	SW8270D	
Naphthalene	ND	4.9	1.4	ug/L	1	10/07/21	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND	4.9	1.6	ug/L	1	10/07/21	WB	SW8270D	
N-Nitrosodiphenylamine	ND	4.9	1.9	ug/L	1	10/07/21	WB	SW8270D	
Pentachloronitrobenzene	ND	2.5	2.5	ug/L	1	10/07/21	WB	SW8270D	
Phenol	ND	0.98	0.98	ug/L	1	10/07/21	WB	SW8270D	
Pyrene	ND	4.9	1.7	ug/L	1	10/07/21	WB	SW8270D	
Pyridine	ND	9.8	1.2	ug/L	1	10/07/21	WB	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	85			%	1	10/07/21	WB	15 - 110 %	
% 2-Fluorobiphenyl	72			%	1	10/07/21	WB	30 - 130 %	
% 2-Fluorophenol	57			%	1	10/07/21	WB	15 - 110 %	
% Nitrobenzene-d5	69			%	1	10/07/21	WB	30 - 130 %	
% Phenol-d5	65			%	1	10/07/21	WB	15 - 110 %	
% Terphenyl-d14	92			%	1	10/07/21	WB	30 - 130 %	

Semivolatiles

Acenaphthylene	ND	0.49	0.49	ug/L	1	10/06/21	WB	SW8270D (SIM)
Benz(a)anthracene	ND	0.02	0.02	ug/L	1	10/06/21	WB	SW8270D (SIM)
Benzo(a)pyrene	ND	0.02	0.02	ug/L	1	10/06/21	WB	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	1	10/06/21	WB	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.49	0.49	ug/L	1	10/06/21	WB	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	1	10/06/21	WB	SW8270D (SIM)
Chrysene	ND	0.02	0.02	ug/L	1	10/06/21	WB	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.49	0.49	ug/L	1	10/06/21	WB	SW8270D (SIM)
Hexachlorobenzene	ND	0.04	0.04	ug/L	1	10/06/21	WB	SW8270D (SIM)
Hexachlorobutadiene	ND	0.49	0.49	ug/L	1	10/06/21	WB	SW8270D (SIM)
Hexachlorocyclopentadiene	ND	0.49	0.49	ug/L	1	10/06/21	WB	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	1	10/06/21	WB	SW8270D (SIM)
Nitrobenzene	ND	0.39	0.39	ug/L	1	10/06/21	WB	SW8270D (SIM)
N-Nitrosodimethylamine	ND	0.10	0.10	ug/L	1	10/06/21	WB	SW8270D (SIM)

Ver 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Pentachlorophenol	ND	0.49	0.49	ug/L	1	10/06/21	WB	SW8270D (SIM)
Phenanthrene	ND	0.49	0.49	ug/L	1	10/06/21	WB	SW8270D (SIM)
QA/QC Surrogates								
% 2,4,6-Tribromophenol	79			%	1	10/06/21	WB	15 - 110 %
% 2-Fluorobiphenyl	69			%	1	10/06/21	WB	30 - 130 %
% 2-Fluorophenol	58			%	1	10/06/21	WB	15 - 110 %
% Nitrobenzene-d5	65			%	1	10/06/21	WB	30 - 130 %
% Phenol-d5	63			%	1	10/06/21	WB	15 - 110 %
% Terphenyl-d14	66			%	1	10/06/21	WB	30 - 130 %
Extraction for 1,4-Dioxane	Completed					10/05/21	G/G	

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 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:

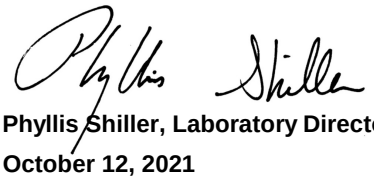
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Semi-Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director
October 12, 2021
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 12, 2021

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		10/01/21	14:30
Location Code:	BRUSSEE	Received by:	SW	10/04/21	16:47
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCJ48515
Phoenix ID: CJ48516

Project ID: 188 E 135TH STREET
Client ID: 20 MW 2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.005	0.001	mg/L	1	10/06/21	EK	SW6010D
Aluminum	108	0.20	0.024	mg/L	10	10/07/21	CPP	SW6010D
Arsenic - LDL	0.033	0.004	0.004	mg/L	1	10/06/21	EK	SW6010D
Barium	0.679	0.010	0.001	mg/L	1	10/06/21	EK	SW6010D
Beryllium	0.011	0.001	0.001	mg/L	1	10/06/21	EK	SW6010D
Calcium	136	0.010	0.01	mg/L	1	10/06/21	EK	SW6010D
Cadmium	0.008	0.004	0.0005	mg/L	1	10/06/21	EK	SW6010D
Cobalt	0.084	0.005	0.001	mg/L	1	10/06/21	EK	SW6010D
Chromium	0.191	0.001	0.001	mg/L	1	10/06/21	EK	SW6010D
Copper	0.358	0.005	0.001	mg/L	1	10/06/21	EK	SW6010D
Silver (Dissolved)	ND	0.005	0.001	mg/L	1	10/05/21	EK	SW6010D
Aluminum (Dissolved)	0.245	0.011	0.0026	mg/L	1	10/05/21	EK	SW6010D
Arsenic, (Dissolved)	0.004	0.003	0.001	mg/L	1	10/05/21	EK	SW6010D
Barium (Dissolved)	0.049	0.011	0.001	mg/L	1	10/05/21	EK	SW6010D
Beryllium (Dissolved)	ND	0.001	0.001	mg/L	1	10/05/21	EK	SW6010D
Calcium (Dissolved)	63.9	0.01	0.003	mg/L	1	10/05/21	EK	SW6010D
Cadmium (Dissolved)	ND	0.004	0.0005	mg/L	1	10/05/21	EK	SW6010D
Cobalt, (Dissolved)	ND	0.005	0.001	mg/L	1	10/05/21	EK	SW6010D
Chromium (Dissolved)	ND	0.001	0.001	mg/L	1	10/05/21	EK	SW6010D
Copper, (Dissolved)	0.004	J 0.005	0.001	mg/L	1	10/05/21	EK	SW6010D
Iron, (Dissolved)	0.22	0.01	0.01	mg/L	1	10/05/21	EK	SW6010D
Mercury (Dissolved)	ND	0.0002	0.00015	mg/L	1	10/05/21	AP	SW7470A
Potassium (Dissolved)	20.2	0.1	0.1	mg/L	1	10/05/21	EK	SW6010D
Magnesium (Dissolved)	28.6	0.01	0.01	mg/L	1	10/05/21	EK	SW6010D
Manganese, (Dissolved)	0.262	0.005	0.001	mg/L	1	10/05/21	EK	SW6010D
Sodium (Dissolved)	84.7	1.1	1.1	mg/L	10	10/06/21	EK	SW6010D
Nickel, (Dissolved)	0.002	J 0.004	0.001	mg/L	1	10/06/21	EK	SW6010D
Lead (Dissolved)	0.004	0.002	0.001	mg/L	1	10/05/21	EK	SW6010D

Ver 1

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Antimony (Dissolved)-LDL	0.0106	0.0003	0.0001	mg/L	1	10/06/21	CPP	SW6020B
Selenium (Dissolved)-LDL	ND	0.002	0.0001	mg/L	1	10/06/21	CPP	SW6020B
Thallium (Dissolved)	ND	0.0003	0.0001	mg/L	1	10/06/21	CPP	SW6020B
Vanadium, (Dissolved)	0.001	J 0.011	0.001	mg/L	1	10/05/21	EK	SW6010D
Zinc, (Dissolved)	0.003	J 0.011	0.002	mg/L	1	10/05/21	EK	SW6010D
Iron	203	0.10	0.10	mg/L	10	10/07/21	CPP	SW6010D
Mercury	ND	0.0002	0.00015	mg/L	1	10/05/21	AP	SW7470A
Potassium	42.6	0.1	0.01	mg/L	1	10/06/21	EK	SW6010D
Magnesium	87.7	0.10	0.10	mg/L	10	10/07/21	CPP	SW6010D
Manganese	7.54	0.050	0.010	mg/L	10	10/07/21	CPP	SW6010D
Sodium	201	1.0	1.0	mg/L	10	10/07/21	CPP	SW6010D
Nickel	0.165	0.004	0.001	mg/L	1	10/06/21	EK	SW6010D
Lead	0.876	0.002	0.001	mg/L	1	10/06/21	EK	SW6010D
Antimony	0.0029	J 0.0030	0.0005	mg/L	5	10/07/21	CPP	SW6020B
Selenium	ND	0.010	0.0005	mg/L	5	10/07/21	CPP	SW6020B
Thallium	0.0020	0.0005	0.0005	mg/L	5	10/07/21	CPP	SW6020B
Vanadium	0.260	0.010	0.001	mg/L	1	10/06/21	EK	SW6010D
Zinc	1.02	0.010	0.0011	mg/L	1	10/06/21	EK	SW6010D
Filtration	Completed					10/04/21	TH	0.45um Filter
Dissolved Mercury Digestion	Completed					10/05/21	AB/AB	SW7470A
Mercury Digestion	Completed					10/05/21	AB/AB	SW7470A
PCB Extraction (LDL)	Completed					10/04/21	F/F	SW3510C
Extraction for Pest (LDL)	Completed					10/04/21	F/F	SW3510C
Semi-Volatile Extraction	Completed					10/04/21	P/K	SW3520C
Dissolved Metals Preparation	Completed					10/04/21	TH	SW3005A
Dissolved Metals Preparation	Completed					10/04/21	TH	SW3005A
Total Metals Digestion	Completed					10/05/21	TH	
Total Metals Digestion MS	Completed					10/05/21	TH	

Pesticides

4,4' -DDD	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B
4,4' -DDE	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B
4,4' -DDT	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B
a-BHC	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B
a-chlordane	ND	0.010	0.010	ug/L	1	10/06/21	AW	SW8081B
Alachlor	ND	0.078	0.078	ug/L	1	10/06/21	AW	SW8081B 1
Aldrin	ND	0.002	0.002	ug/L	1	10/06/21	AW	SW8081B
b-BHC	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B
Chlordane	ND	0.021	0.021	ug/L	1	10/06/21	AW	SW8081B
d-BHC	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B
Dieldrin	ND	0.002	0.002	ug/L	1	10/06/21	AW	SW8081B
Endosulfan I	ND	0.010	0.010	ug/L	1	10/06/21	AW	SW8081B
Endosulfan II	ND	0.010	0.010	ug/L	1	10/06/21	AW	SW8081B
Endosulfan Sulfate	ND	0.010	0.010	ug/L	1	10/06/21	AW	SW8081B
Endrin	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B
Endrin Aldehyde	ND	0.010	0.010	ug/L	1	10/06/21	AW	SW8081B
Endrin ketone	ND	0.010	0.010	ug/L	1	10/06/21	AW	SW8081B
g-BHC (Lindane)	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B
g-chlordane	ND	0.010	0.010	ug/L	1	10/06/21	AW	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Heptachlor	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B
Heptachlor epoxide	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B
Methoxychlor	ND	0.10	0.10	ug/L	1	10/06/21	AW	SW8081B
Toxaphene	ND	0.21	0.21	ug/L	1	10/06/21	AW	SW8081B
QA/QC Surrogates								
%DCBP (Surrogate Rec)	95			%	1	10/06/21	AW	30 - 150 %
%DCBP (Surrogate Rec) (Confirmation)	77			%	1	10/06/21	AW	30 - 150 %
%TCMX (Surrogate Rec)	109			%	1	10/06/21	AW	30 - 150 %
%TCMX (Surrogate Rec) (Confirmation)	66			%	1	10/06/21	AW	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	0.052	0.052	ug/L	1	10/05/21	SC	SW8082A
PCB-1221	ND	0.052	0.052	ug/L	1	10/05/21	SC	SW8082A
PCB-1232	ND	0.052	0.052	ug/L	1	10/05/21	SC	SW8082A
PCB-1242	ND	0.052	0.052	ug/L	1	10/05/21	SC	SW8082A
PCB-1248	ND	0.052	0.052	ug/L	1	10/05/21	SC	SW8082A
PCB-1254	ND	0.052	0.052	ug/L	1	10/05/21	SC	SW8082A
PCB-1260	ND	0.052	0.052	ug/L	1	10/05/21	SC	SW8082A
PCB-1262	ND	0.052	0.052	ug/L	1	10/05/21	SC	SW8082A
PCB-1268	ND	0.052	0.052	ug/L	1	10/05/21	SC	SW8082A
QA/QC Surrogates								
% DCBP	81			%	1	10/05/21	SC	30 - 150 %
% DCBP (Confirmation)	84			%	1	10/05/21	SC	30 - 150 %
% TCMX	90			%	1	10/05/21	SC	30 - 150 %
% TCMX (Confirmation)	79			%	1	10/05/21	SC	30 - 150 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	10/06/21	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	10/06/21	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	10/06/21	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	10/06/21	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	10/06/21	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	10/06/21	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	10/06/21	MH	SW8260C

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Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2-Isopropyltoluene	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	1
4-Chlorotoluene	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
4-Methyl-2-pentanone	ND		2.5	2.5	ug/L	1	10/06/21	MH	SW8260C	
Acetone	3.6	JS	5.0	2.5	ug/L	1	10/06/21	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	10/06/21	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	10/06/21	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	10/06/21	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Carbon Disulfide	0.42	J	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	10/06/21	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	10/06/21	MH	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	10/06/21	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	10/06/21	MH	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	10/06/21	MH	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	10/06/21	MH	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	10/06/21	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	10/06/21	MH	SW8260C	
Trichloroethene	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	

QA/QC Surrogates

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% 1,2-dichlorobenzene-d4	100			%	1	10/06/21	MH	70 - 130 %	
% Bromofluorobenzene	95			%	1	10/06/21	MH	70 - 130 %	
% Dibromofluoromethane	101			%	1	10/06/21	MH	70 - 130 %	
% Toluene-d8	100			%	1	10/06/21	MH	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	100	50	ug/l	1	10/06/21	MH	SW8260C	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Acrolein	ND	5.0	2.5	ug/L	1	10/06/21	MH	SW8260C	
Acrylonitrile	ND	5.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Tert-butyl alcohol	ND	50	10	ug/L	1	10/06/21	MH	SW8260C	
1,4-dioxane									
1,4-dioxane	ND	0.40	0.40	ug/l	1	10/06/21	AW	SW8270DSIM	1
QA/QC Surrogates									
% 1,4-dioxane-d8	100			%	1	10/06/21	AW	70 - 130 %	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	3.5	3.5	ug/L	1	10/07/21	WB	SW8270D	
1,2,4-Trichlorobenzene	ND	5.1	1.5	ug/L	1	10/07/21	WB	SW8270D	
1,2-Dichlorobenzene	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
1,2-Diphenylhydrazine	ND	5.1	1.6	ug/L	1	10/07/21	WB	SW8270D	
1,3-Dichlorobenzene	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
1,4-Dichlorobenzene	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
2,4,5-Trichlorophenol	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
2,4,6-Trichlorophenol	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
2,4-Dichlorophenol	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
2,4-Dimethylphenol	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
2,4-Dinitrophenol	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	1	10/07/21	WB	SW8270D	
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	1	10/07/21	WB	SW8270D	
2-Chloronaphthalene	ND	5.1	1.4	ug/L	1	10/07/21	WB	SW8270D	
2-Chlorophenol	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
2-Methylnaphthalene	ND	5.1	1.5	ug/L	1	10/07/21	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
2-Nitroaniline	ND	5.0	2.0	ug/L	1	10/07/21	WB	SW8270D	
2-Nitrophenol	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
3,3'-Dichlorobenzidine	ND	5.0	2.4	ug/L	1	10/07/21	WB	SW8270D	
3-Nitroaniline	ND	5.0	2.0	ug/L	1	10/07/21	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	5.1	1.5	ug/L	1	10/07/21	WB	SW8270D	
4-Chloro-3-methylphenol	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
4-Chloroaniline	ND	3.5	2.4	ug/L	1	10/07/21	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	5.1	1.7	ug/L	1	10/07/21	WB	SW8270D	
4-Nitroaniline	ND	5.0	1.7	ug/L	1	10/07/21	WB	SW8270D	
4-Nitrophenol	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
Acenaphthene	ND	5.1	1.5	ug/L	1	10/07/21	WB	SW8270D	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetophenone	ND	5.1	1.6	ug/L	1	10/07/21	WB	SW8270D	
Aniline	ND	3.5	3.5	ug/L	1	10/07/21	WB	SW8270D	
Anthracene	ND	5.1	1.7	ug/L	1	10/07/21	WB	SW8270D	
Benzidine	ND	4.5	3.0	ug/L	1	10/07/21	WB	SW8270D	
Benzoic acid	ND	25	10	ug/L	1	10/07/21	WB	SW8270D	
Benzyl butyl phthalate	ND	5.1	1.3	ug/L	1	10/07/21	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	1	10/07/21	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	1	10/07/21	WB	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
Carbazole	ND	5.1	3.8	ug/L	1	10/07/21	WB	SW8270D	
Dibenzofuran	ND	5.0	1.5	ug/L	1	10/07/21	WB	SW8270D	
Diethyl phthalate	ND	5.1	1.6	ug/L	1	10/07/21	WB	SW8270D	
Dimethylphthalate	ND	5.1	1.6	ug/L	1	10/07/21	WB	SW8270D	
Di-n-butylphthalate	ND	5.1	1.3	ug/L	1	10/07/21	WB	SW8270D	
Di-n-octylphthalate	ND	5.1	1.3	ug/L	1	10/07/21	WB	SW8270D	
Fluoranthene	ND	5.1	1.6	ug/L	1	10/07/21	WB	SW8270D	
Fluorene	ND	5.1	1.7	ug/L	1	10/07/21	WB	SW8270D	
Hexachloroethane	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
Isophorone	ND	5.1	1.4	ug/L	1	10/07/21	WB	SW8270D	
Naphthalene	ND	5.0	1.5	ug/L	1	10/07/21	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND	5.1	1.6	ug/L	1	10/07/21	WB	SW8270D	
N-Nitrosodiphenylamine	ND	5.1	1.9	ug/L	1	10/07/21	WB	SW8270D	
Pentachloronitrobenzene	ND	2.5	2.5	ug/L	1	10/07/21	WB	SW8270D	
Phenol	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
Pyrene	ND	5.1	1.7	ug/L	1	10/07/21	WB	SW8270D	
Pyridine	ND	10	1.2	ug/L	1	10/07/21	WB	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	81			%	1	10/07/21	WB	15 - 110 %	
% 2-Fluorobiphenyl	69			%	1	10/07/21	WB	30 - 130 %	
% 2-Fluorophenol	58			%	1	10/07/21	WB	15 - 110 %	
% Nitrobenzene-d5	75			%	1	10/07/21	WB	30 - 130 %	
% Phenol-d5	67			%	1	10/07/21	WB	15 - 110 %	
% Terphenyl-d14	32			%	1	10/07/21	WB	30 - 130 %	
Semivolatiles									
Acenaphthylene	ND	0.51	0.51	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Benz(a)anthracene	0.49	0.02	0.02	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Benzo(a)pyrene	0.64	0.02	0.02	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Benzo(b)fluoranthene	0.57	0.02	0.02	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Benzo(ghi)perylene	0.52	0.51	0.51	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Benzo(k)fluoranthene	0.49	0.02	0.02	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Chrysene	0.49	0.02	0.02	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Dibenz(a,h)anthracene	ND	0.51	0.51	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Hexachlorobenzene	ND	0.04	0.04	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Hexachlorobutadiene	ND	0.50	0.50	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Hexachlorocyclopentadiene	ND	0.51	0.51	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Indeno(1,2,3-cd)pyrene	0.64	0.02	0.02	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Nitrobenzene	ND	0.40	0.40	ug/L	1	10/06/21	WB	SW8270D (SIM)	
N-Nitrosodimethylamine	ND	0.10	0.10	ug/L	1	10/06/21	WB	SW8270D (SIM)	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Pentachlorophenol	ND	0.51	0.51	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Phenanthrene	ND	0.51	0.51	ug/L	1	10/06/21	WB	SW8270D (SIM)	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	79			%	1	10/06/21	WB	15 - 110 %	
% 2-Fluorobiphenyl	69			%	1	10/06/21	WB	30 - 130 %	
% 2-Fluorophenol	63			%	1	10/06/21	WB	15 - 110 %	
% Nitrobenzene-d5	69			%	1	10/06/21	WB	30 - 130 %	
% Phenol-d5	63			%	1	10/06/21	WB	15 - 110 %	
% Terphenyl-d14	25			%	1	10/06/21	WB	30 - 130 %	3
Extraction for 1,4-Dioxane	Completed					10/05/21	G/G		

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 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.

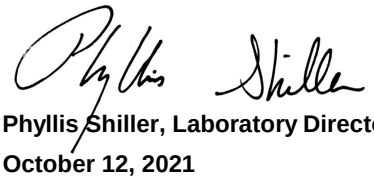
Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director
October 12, 2021
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 12, 2021

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		10/01/21	15:30
Location Code:	BRUSSEE	Received by:	SW	10/04/21	16:47
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCJ48515
Phoenix ID: CJ48517

Project ID: 188 E 135TH STREET
Client ID: 20 MW 3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.005	0.001	mg/L	1	10/06/21	EK	SW6010D
Aluminum	ND	0.020	0.01	mg/L	1	10/06/21	EK	SW6010D
Arsenic - LDL	0.019	0.004	0.004	mg/L	1	10/06/21	EK	SW6010D
Barium	0.093	0.010	0.001	mg/L	1	10/06/21	EK	SW6010D
Beryllium	ND	0.001	0.001	mg/L	1	10/06/21	EK	SW6010D
Calcium	100	0.010	0.01	mg/L	1	10/06/21	EK	SW6010D
Cadmium	ND	0.004	0.0005	mg/L	1	10/06/21	EK	SW6010D
Cobalt	0.002 J	0.005	0.001	mg/L	1	10/06/21	EK	SW6010D
Chromium	ND	0.001	0.001	mg/L	1	10/06/21	EK	SW6010D
Copper	0.016	0.005	0.001	mg/L	1	10/06/21	EK	SW6010D
Silver (Dissolved)	ND	0.005	0.001	mg/L	1	10/05/21	EK	SW6010D
Aluminum (Dissolved)	0.016	0.011	0.0026	mg/L	1	10/05/21	EK	SW6010D
Arsenic, (Dissolved)	0.006	0.003	0.001	mg/L	1	10/05/21	EK	SW6010D
Barium (Dissolved)	0.070	0.011	0.001	mg/L	1	10/05/21	EK	SW6010D
Beryllium (Dissolved)	ND	0.001	0.001	mg/L	1	10/05/21	EK	SW6010D
Calcium (Dissolved)	96.2	0.01	0.003	mg/L	1	10/05/21	EK	SW6010D
Cadmium (Dissolved)	ND	0.004	0.0005	mg/L	1	10/05/21	EK	SW6010D
Cobalt, (Dissolved)	0.001 J	0.005	0.001	mg/L	1	10/05/21	EK	SW6010D
Chromium (Dissolved)	ND	0.001	0.001	mg/L	1	10/05/21	EK	SW6010D
Copper, (Dissolved)	0.002 J	0.005	0.001	mg/L	1	10/05/21	EK	SW6010D
Iron, (Dissolved)	ND	0.01	0.01	mg/L	1	10/05/21	EK	SW6010D
Mercury (Dissolved)	ND	0.0002	0.00015	mg/L	1	10/05/21	AP	SW7470A
Potassium (Dissolved)	19.4	0.1	0.1	mg/L	1	10/05/21	EK	SW6010D
Magnesium (Dissolved)	38.5	0.01	0.01	mg/L	1	10/05/21	EK	SW6010D
Manganese, (Dissolved)	1.61	0.005	0.001	mg/L	1	10/05/21	EK	SW6010D
Sodium (Dissolved)	347	1.1	1.1	mg/L	10	10/06/21	EK	SW6010D
Nickel, (Dissolved)	0.004 J	0.004	0.001	mg/L	1	10/06/21	EK	SW6010D
Lead (Dissolved)	0.002	0.002	0.001	mg/L	1	10/05/21	EK	SW6010D

Ver 1

Project ID: 188 E 135TH STREET
Client ID: 20 MW 3

Phoenix I.D.: CJ48517

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Antimony (Dissolved)-LDL	0.0019	0.0003	0.0001	mg/L	1	10/06/21	CPP	SW6020B	
Selenium (Dissolved)-LDL	ND	0.002	0.0001	mg/L	1	10/06/21	CPP	SW6020B	
Thallium (Dissolved)	ND	0.0003	0.0001	mg/L	1	10/06/21	CPP	SW6020B	
Vanadium, (Dissolved)	0.001 J	0.011	0.001	mg/L	1	10/05/21	EK	SW6010D	
Zinc, (Dissolved)	0.003 J	0.011	0.002	mg/L	1	10/05/21	EK	SW6010D	
Iron	5.41	0.01	0.01	mg/L	1	10/06/21	EK	SW6010D	
Mercury	ND	0.0002	0.00015	mg/L	1	10/05/21	AP	SW7470A	
Potassium	22.2	0.1	0.01	mg/L	1	10/06/21	EK	SW6010D	
Magnesium	43.5	0.010	0.01	mg/L	1	10/06/21	EK	SW6010D	
Manganese	1.91	0.005	0.001	mg/L	1	10/06/21	EK	SW6010D	
Sodium	350	1.0	1.0	mg/L	10	10/07/21	CPP	SW6010D	
Nickel	0.006	0.004	0.001	mg/L	1	10/06/21	CPP	SW6010D	
Lead	ND	0.002	0.001	mg/L	1	10/06/21	EK	SW6010D	
Antimony	ND	0.0030	0.0005	mg/L	5	10/07/21	CPP	SW6020B	
Selenium	ND	0.010	0.0005	mg/L	5	10/07/21	CPP	SW6020B	
Thallium	ND	0.0005	0.0005	mg/L	5	10/07/21	CPP	SW6020B	
Vanadium	ND	0.010	0.001	mg/L	1	10/06/21	EK	SW6010D	
Zinc	0.014	0.010	0.0011	mg/L	1	10/06/21	EK	SW6010D	
Filtration	Completed					10/04/21	TH	0.45um Filter	
Dissolved Mercury Digestion	Completed					10/05/21	AB/AB	SW7470A	
Mercury Digestion	Completed					10/05/21	AB/AB	SW7470A	
PCB Extraction (LDL)	Completed					10/04/21	F/F	SW3510C	
Extraction for Pest (LDL)	Completed					10/04/21	F/F	SW3510C	
Semi-Volatile Extraction	Completed					10/04/21	P/K	SW3520C	
Dissolved Metals Preparation	Completed					10/04/21	TH	SW3005A	
Dissolved Metals Preparation	Completed					10/04/21	TH	SW3005A	
Total Metals Digestion	Completed					10/05/21	TH		
Total Metals Digestion MS	Completed					10/05/21	TH		

Pesticides

4,4' -DDD	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B	
4,4' -DDE	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B	
4,4' -DDT	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B	
a-BHC	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B	
a-chlordane	ND	0.010	0.010	ug/L	1	10/06/21	AW	SW8081B	
Alachlor	ND	0.078	0.078	ug/L	1	10/06/21	AW	SW8081B	1
Aldrin	ND	0.002	0.002	ug/L	1	10/06/21	AW	SW8081B	
b-BHC	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B	
Chlordane	ND	0.021	0.021	ug/L	1	10/06/21	AW	SW8081B	
d-BHC	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B	
Dieldrin	ND	0.004	0.004	ug/L	1	10/06/21	AW	SW8081B	
Endosulfan I	ND	0.010	0.010	ug/L	1	10/06/21	AW	SW8081B	
Endosulfan II	ND	0.010	0.010	ug/L	1	10/06/21	AW	SW8081B	
Endosulfan Sulfate	ND	0.010	0.010	ug/L	1	10/06/21	AW	SW8081B	
Endrin	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B	
Endrin Aldehyde	ND	0.010	0.010	ug/L	1	10/06/21	AW	SW8081B	
Endrin ketone	ND	0.010	0.010	ug/L	1	10/06/21	AW	SW8081B	
g-BHC (Lindane)	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B	
g-chlordane	ND	0.010	0.010	ug/L	1	10/06/21	AW	SW8081B	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Heptachlor	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B
Heptachlor epoxide	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B
Methoxychlor	ND	0.10	0.10	ug/L	1	10/06/21	AW	SW8081B
Toxaphene	ND	0.21	0.21	ug/L	1	10/06/21	AW	SW8081B
QA/QC Surrogates								
%DCBP (Surrogate Rec)	82			%	1	10/06/21	AW	30 - 150 %
%DCBP (Surrogate Rec) (Confirmation)	70			%	1	10/06/21	AW	30 - 150 %
%TCMX (Surrogate Rec)	76			%	1	10/06/21	AW	30 - 150 %
%TCMX (Surrogate Rec) (Confirmation)	83			%	1	10/06/21	AW	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	0.052	0.052	ug/L	1	10/05/21	SC	SW8082A
PCB-1221	ND	0.052	0.052	ug/L	1	10/05/21	SC	SW8082A
PCB-1232	ND	0.052	0.052	ug/L	1	10/05/21	SC	SW8082A
PCB-1242	ND	0.052	0.052	ug/L	1	10/05/21	SC	SW8082A
PCB-1248	ND	0.052	0.052	ug/L	1	10/05/21	SC	SW8082A
PCB-1254	ND	0.052	0.052	ug/L	1	10/05/21	SC	SW8082A
PCB-1260	ND	0.052	0.052	ug/L	1	10/05/21	SC	SW8082A
PCB-1262	ND	0.052	0.052	ug/L	1	10/05/21	SC	SW8082A
PCB-1268	ND	0.052	0.052	ug/L	1	10/05/21	SC	SW8082A
QA/QC Surrogates								
% DCBP	74			%	1	10/05/21	SC	30 - 150 %
% DCBP (Confirmation)	77			%	1	10/05/21	SC	30 - 150 %
% TCMX	71			%	1	10/05/21	SC	30 - 150 %
% TCMX (Confirmation)	73			%	1	10/05/21	SC	30 - 150 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	10/07/21	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	10/07/21	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	10/07/21	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	10/07/21	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	10/07/21	MH	SW8260C

Project ID: 188 E 135TH STREET
Client ID: 20 MW 3

Phoenix I.D.: CJ48517

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	10/07/21	MH	SW8260C	
Acetone	ND	5.0	2.5	ug/L	1	10/07/21	MH	SW8260C	
Acrolein	ND	5.0	2.5	ug/L	1	10/07/21	MH	SW8260C	
Acrylonitrile	ND	5.0	2.5	ug/L	1	10/07/21	MH	SW8260C	
Benzene	ND	0.70	0.25	ug/L	1	10/07/21	MH	SW8260C	
Bromobenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Bromochloromethane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Bromodichloromethane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Bromoform	ND	5.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Bromomethane	ND	5.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Carbon Disulfide	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Chlorobenzene	ND	5.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Chloroethane	ND	5.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Chloroform	ND	5.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Chloromethane	ND	5.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	10/07/21	MH	SW8260C	
Dibromochloromethane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Dibromomethane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Ethylbenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	10/07/21	MH	SW8260C	
Isopropylbenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
m&p-Xylene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	10/07/21	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Methylene chloride	ND	3.0	1.0	ug/L	1	10/07/21	MH	SW8260C	
Naphthalene	ND	1.0	1.0	ug/L	1	10/07/21	MH	SW8260C	
n-Butylbenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
n-Propylbenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
o-Xylene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Styrene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Tetrachloroethene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	10/07/21	MH	SW8260C	1
Toluene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	10/07/21	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	10/07/21	MH	SW8260C	
Trichloroethene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Vinyl chloride	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	

QA/QC Surrogates

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% 1,2-dichlorobenzene-d4	104			%	1	10/07/21	MH	70 - 130 %	
% Bromofluorobenzene	99			%	1	10/07/21	MH	70 - 130 %	
% Dibromofluoromethane	90			%	1	10/07/21	MH	70 - 130 %	
% Toluene-d8	93			%	1	10/07/21	MH	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	100	50	ug/l	1	10/07/21	MH	SW8260C	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Acrolein	ND	5.0	2.5	ug/L	1	10/07/21	MH	SW8260C	
Acrylonitrile	ND	5.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Tert-butyl alcohol	ND	50	10	ug/L	1	10/07/21	MH	SW8260C	
1,4-dioxane									
1,4-dioxane	ND	0.20	0.20	ug/l	1	10/06/21	AW	SW8270DSIM	1
QA/QC Surrogates									
% 1,4-dioxane-d8	90			%	1	10/06/21	AW	70 - 130 %	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	3.6	3.6	ug/L	1	10/07/21	WB	SW8270D	
1,2,4-Trichlorobenzene	ND	5.2	1.6	ug/L	1	10/07/21	WB	SW8270D	
1,2-Dichlorobenzene	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
1,2-Diphenylhydrazine	ND	5.2	1.7	ug/L	1	10/07/21	WB	SW8270D	
1,3-Dichlorobenzene	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
1,4-Dichlorobenzene	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
2,4,5-Trichlorophenol	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
2,4,6-Trichlorophenol	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
2,4-Dichlorophenol	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
2,4-Dimethylphenol	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
2,4-Dinitrophenol	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	1	10/07/21	WB	SW8270D	
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	1	10/07/21	WB	SW8270D	
2-Chloronaphthalene	ND	5.2	1.5	ug/L	1	10/07/21	WB	SW8270D	
2-Chlorophenol	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
2-Methylnaphthalene	ND	5.2	1.5	ug/L	1	10/07/21	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
2-Nitroaniline	ND	5.0	2.1	ug/L	1	10/07/21	WB	SW8270D	
2-Nitrophenol	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
3,3'-Dichlorobenzidine	ND	5.0	2.5	ug/L	1	10/07/21	WB	SW8270D	
3-Nitroaniline	ND	5.0	2.1	ug/L	1	10/07/21	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	5.2	1.5	ug/L	1	10/07/21	WB	SW8270D	
4-Chloro-3-methylphenol	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
4-Chloroaniline	ND	3.6	2.4	ug/L	1	10/07/21	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	5.2	1.7	ug/L	1	10/07/21	WB	SW8270D	
4-Nitroaniline	ND	5.0	1.7	ug/L	1	10/07/21	WB	SW8270D	
4-Nitrophenol	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
Acenaphthene	ND	5.2	1.6	ug/L	1	10/07/21	WB	SW8270D	

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Client ID: 20 MW 3

Phoenix I.D.: CJ48517

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetophenone	ND	5.2	1.6	ug/L	1	10/07/21	WB	SW8270D	
Aniline	ND	3.6	3.6	ug/L	1	10/07/21	WB	SW8270D	
Anthracene	ND	5.2	1.7	ug/L	1	10/07/21	WB	SW8270D	
Benzidine	ND	4.7	3.1	ug/L	1	10/07/21	WB	SW8270D	
Benzoic acid	ND	26	10	ug/L	1	10/07/21	WB	SW8270D	
Benzyl butyl phthalate	ND	5.2	1.3	ug/L	1	10/07/21	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	1	10/07/21	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	1	10/07/21	WB	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
Carbazole	ND	5.2	3.9	ug/L	1	10/07/21	WB	SW8270D	
Dibenzofuran	ND	5.0	1.5	ug/L	1	10/07/21	WB	SW8270D	
Diethyl phthalate	ND	5.2	1.6	ug/L	1	10/07/21	WB	SW8270D	
Dimethylphthalate	ND	5.2	1.6	ug/L	1	10/07/21	WB	SW8270D	
Di-n-butylphthalate	ND	5.2	1.4	ug/L	1	10/07/21	WB	SW8270D	
Di-n-octylphthalate	ND	5.2	1.3	ug/L	1	10/07/21	WB	SW8270D	
Fluoranthene	ND	5.2	1.7	ug/L	1	10/07/21	WB	SW8270D	
Fluorene	ND	5.2	1.7	ug/L	1	10/07/21	WB	SW8270D	
Hexachloroethane	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
Isophorone	ND	5.2	1.5	ug/L	1	10/07/21	WB	SW8270D	
Naphthalene	ND	5.0	1.5	ug/L	1	10/07/21	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND	5.2	1.7	ug/L	1	10/07/21	WB	SW8270D	
N-Nitrosodiphenylamine	ND	5.2	2.0	ug/L	1	10/07/21	WB	SW8270D	
Pentachloronitrobenzene	ND	2.6	2.6	ug/L	1	10/07/21	WB	SW8270D	
Phenol	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
Pyrene	ND	5.2	1.8	ug/L	1	10/07/21	WB	SW8270D	
Pyridine	ND	10	1.3	ug/L	1	10/07/21	WB	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	85			%	1	10/07/21	WB	15 - 110 %	
% 2-Fluorobiphenyl	74			%	1	10/07/21	WB	30 - 130 %	
% 2-Fluorophenol	60			%	1	10/07/21	WB	15 - 110 %	
% Nitrobenzene-d5	77			%	1	10/07/21	WB	30 - 130 %	
% Phenol-d5	68			%	1	10/07/21	WB	15 - 110 %	
% Terphenyl-d14	93			%	1	10/07/21	WB	30 - 130 %	

Semivolatiles

Acenaphthylene	ND	0.52	0.52	ug/L	1	10/06/21	WB	SW8270D (SIM)
Benz(a)anthracene	ND	0.02	0.02	ug/L	1	10/06/21	WB	SW8270D (SIM)
Benzo(a)pyrene	ND	0.02	0.02	ug/L	1	10/06/21	WB	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	1	10/06/21	WB	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.52	0.52	ug/L	1	10/06/21	WB	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	1	10/06/21	WB	SW8270D (SIM)
Chrysene	ND	0.02	0.02	ug/L	1	10/06/21	WB	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.52	0.52	ug/L	1	10/06/21	WB	SW8270D (SIM)
Hexachlorobenzene	ND	0.04	0.04	ug/L	1	10/06/21	WB	SW8270D (SIM)
Hexachlorobutadiene	ND	0.50	0.50	ug/L	1	10/06/21	WB	SW8270D (SIM)
Hexachlorocyclopentadiene	ND	0.52	0.52	ug/L	1	10/06/21	WB	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	1	10/06/21	WB	SW8270D (SIM)
Nitrobenzene	ND	0.40	0.40	ug/L	1	10/06/21	WB	SW8270D (SIM)
N-Nitrosodimethylamine	ND	0.10	0.10	ug/L	1	10/06/21	WB	SW8270D (SIM)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Pentachlorophenol	ND	0.52	0.52	ug/L	1	10/06/21	WB	SW8270D (SIM)
Phenanthrene	ND	0.52	0.52	ug/L	1	10/06/21	WB	SW8270D (SIM)
QA/QC Surrogates								
% 2,4,6-Tribromophenol	78			%	1	10/06/21	WB	15 - 110 %
% 2-Fluorobiphenyl	69			%	1	10/06/21	WB	30 - 130 %
% 2-Fluorophenol	59			%	1	10/06/21	WB	15 - 110 %
% Nitrobenzene-d5	68			%	1	10/06/21	WB	30 - 130 %
% Phenol-d5	63			%	1	10/06/21	WB	15 - 110 %
% Terphenyl-d14	66			%	1	10/06/21	WB	30 - 130 %
Extraction for 1,4-Dioxane	Completed					10/05/21	G/G	

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 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.

Semi-Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

October 12, 2021

Reviewed and Released by: Phyllis Shiller, Laboratory Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 12, 2021

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		10/01/21	16:00
Location Code:	BRUSSEE	Received by:	SW	10/04/21	16:47
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCJ48515
Phoenix ID: CJ48518

Project ID: 188 E 135TH STREET
Client ID: 20 MW 4

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.005	0.001	mg/L	1	10/06/21	EK	SW6010D
Aluminum	ND	0.020	0.01	mg/L	1	10/06/21	EK	SW6010D
Arsenic - LDL	0.014	0.004	0.004	mg/L	1	10/06/21	EK	SW6010D
Barium	0.096	0.010	0.001	mg/L	1	10/06/21	EK	SW6010D
Beryllium	ND	0.001	0.001	mg/L	1	10/06/21	EK	SW6010D
Calcium	102	0.010	0.01	mg/L	1	10/06/21	EK	SW6010D
Cadmium	ND	0.004	0.0005	mg/L	1	10/06/21	EK	SW6010D
Cobalt	0.002 J	0.005	0.001	mg/L	1	10/06/21	EK	SW6010D
Chromium	ND	0.001	0.001	mg/L	1	10/06/21	EK	SW6010D
Copper	0.007	0.005	0.001	mg/L	1	10/06/21	EK	SW6010D
Silver (Dissolved)	ND	0.005	0.001	mg/L	1	10/05/21	EK	SW6010D
Aluminum (Dissolved)	0.015	0.011	0.0026	mg/L	1	10/05/21	EK	SW6010D
Arsenic, (Dissolved)	0.004	0.003	0.001	mg/L	1	10/05/21	EK	SW6010D
Barium (Dissolved)	0.072	0.011	0.001	mg/L	1	10/05/21	EK	SW6010D
Beryllium (Dissolved)	ND	0.001	0.001	mg/L	1	10/05/21	EK	SW6010D
Calcium (Dissolved)	96.2	0.01	0.003	mg/L	1	10/05/21	EK	SW6010D
Cadmium (Dissolved)	ND	0.004	0.0005	mg/L	1	10/05/21	EK	SW6010D
Cobalt, (Dissolved)	0.001 J	0.005	0.001	mg/L	1	10/05/21	EK	SW6010D
Chromium (Dissolved)	ND	0.001	0.001	mg/L	1	10/05/21	EK	SW6010D
Copper, (Dissolved)	0.002 J	0.005	0.001	mg/L	1	10/05/21	EK	SW6010D
Iron, (Dissolved)	ND	0.01	0.01	mg/L	1	10/05/21	EK	SW6010D
Mercury (Dissolved)	ND	0.0002	0.00015	mg/L	1	10/05/21	AP	SW7470A
Potassium (Dissolved)	19.0	0.1	0.1	mg/L	1	10/05/21	EK	SW6010D
Magnesium (Dissolved)	37.8	0.01	0.01	mg/L	1	10/05/21	EK	SW6010D
Manganese, (Dissolved)	1.54	0.005	0.001	mg/L	1	10/05/21	EK	SW6010D
Sodium (Dissolved)	342	1.1	1.1	mg/L	10	10/06/21	EK	SW6010D
Nickel, (Dissolved)	0.004 J	0.004	0.001	mg/L	1	10/06/21	EK	SW6010D
Lead (Dissolved)	ND	0.002	0.001	mg/L	1	10/05/21	EK	SW6010D

Ver 1

Project ID: 188 E 135TH STREET
Client ID: 20 MW 4

Phoenix I.D.: CJ48518

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Antimony (Dissolved)-LDL	0.0036	0.0003	0.0001	mg/L	1	10/06/21	CPP	SW6020B	
Selenium (Dissolved)-LDL	ND	0.002	0.0001	mg/L	1	10/06/21	CPP	SW6020B	
Thallium (Dissolved)	ND	0.0003	0.0001	mg/L	1	10/06/21	CPP	SW6020B	
Vanadium, (Dissolved)	ND	0.011	0.001	mg/L	1	10/05/21	EK	SW6010D	
Zinc, (Dissolved)	0.002 J	0.011	0.002	mg/L	1	10/05/21	EK	SW6010D	
Iron	5.95	0.01	0.01	mg/L	1	10/06/21	EK	SW6010D	
Mercury	ND	0.0002	0.00015	mg/L	1	10/05/21	AP	SW7470A	
Potassium	21.8	0.1	0.01	mg/L	1	10/06/21	EK	SW6010D	
Magnesium	42.8	0.010	0.01	mg/L	1	10/06/21	EK	SW6010D	
Manganese	1.93	0.005	0.001	mg/L	1	10/06/21	EK	SW6010D	
Sodium	333	1.0	1.0	mg/L	10	10/07/21	CPP	SW6010D	
Nickel	0.006	0.004	0.001	mg/L	1	10/06/21	CPP	SW6010D	
Lead	0.001 J	0.002	0.001	mg/L	1	10/06/21	EK	SW6010D	
Antimony	ND	0.0030	0.0005	mg/L	5	10/07/21	CPP	SW6020B	
Selenium	0.002 J	0.010	0.0005	mg/L	5	10/07/21	CPP	SW6020B	
Thallium	ND	0.0005	0.0005	mg/L	5	10/07/21	CPP	SW6020B	
Vanadium	ND	0.010	0.001	mg/L	1	10/06/21	EK	SW6010D	
Zinc	0.011	0.010	0.0011	mg/L	1	10/06/21	EK	SW6010D	
Filtration	Completed					10/04/21	TH	0.45um Filter	
Dissolved Mercury Digestion	Completed					10/05/21	AB/AB	SW7470A	
Mercury Digestion	Completed					10/05/21	AB/AB	SW7470A	
PCB Extraction (LDL)	Completed					10/04/21	F/F	SW3510C	
Extraction for Pest (LDL)	Completed					10/04/21	F/F	SW3510C	
Semi-Volatile Extraction	Completed					10/04/21	P/K	SW3520C	
Dissolved Metals Preparation	Completed					10/04/21	TH	SW3005A	
Dissolved Metals Preparation	Completed					10/04/21	TH	SW3005A	
Total Metals Digestion	Completed					10/05/21	TH		
Total Metals Digestion MS	Completed					10/05/21	TH		

Pesticides

4,4' -DDD	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B	
4,4' -DDE	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B	
4,4' -DDT	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B	
a-BHC	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B	
a-chlordane	ND	0.010	0.010	ug/L	1	10/06/21	AW	SW8081B	
Alachlor	ND	0.077	0.077	ug/L	1	10/06/21	AW	SW8081B	1
Aldrin	ND	0.002	0.002	ug/L	1	10/06/21	AW	SW8081B	
b-BHC	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B	
Chlordane	ND	0.020	0.020	ug/L	1	10/06/21	AW	SW8081B	
d-BHC	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B	
Dieldrin	ND	0.002	0.002	ug/L	1	10/06/21	AW	SW8081B	
Endosulfan I	ND	0.010	0.010	ug/L	1	10/06/21	AW	SW8081B	
Endosulfan II	ND	0.010	0.010	ug/L	1	10/06/21	AW	SW8081B	
Endosulfan Sulfate	ND	0.010	0.010	ug/L	1	10/06/21	AW	SW8081B	
Endrin	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B	
Endrin Aldehyde	ND	0.010	0.010	ug/L	1	10/06/21	AW	SW8081B	
Endrin ketone	ND	0.010	0.010	ug/L	1	10/06/21	AW	SW8081B	
g-BHC (Lindane)	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B	
g-chlordane	ND	0.010	0.010	ug/L	1	10/06/21	AW	SW8081B	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Heptachlor	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B
Heptachlor epoxide	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B
Methoxychlor	ND	0.10	0.10	ug/L	1	10/06/21	AW	SW8081B
Toxaphene	ND	0.20	0.20	ug/L	1	10/06/21	AW	SW8081B
QA/QC Surrogates								
%DCBP (Surrogate Rec)	73			%	1	10/06/21	AW	30 - 150 %
%DCBP (Surrogate Rec) (Confirmation)	47			%	1	10/06/21	AW	30 - 150 %
%TCMX (Surrogate Rec)	84			%	1	10/06/21	AW	30 - 150 %
%TCMX (Surrogate Rec) (Confirmation)	64			%	1	10/06/21	AW	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	0.051	0.051	ug/L	1	10/05/21	SC	SW8082A
PCB-1221	ND	0.051	0.051	ug/L	1	10/05/21	SC	SW8082A
PCB-1232	ND	0.051	0.051	ug/L	1	10/05/21	SC	SW8082A
PCB-1242	ND	0.051	0.051	ug/L	1	10/05/21	SC	SW8082A
PCB-1248	ND	0.051	0.051	ug/L	1	10/05/21	SC	SW8082A
PCB-1254	ND	0.051	0.051	ug/L	1	10/05/21	SC	SW8082A
PCB-1260	ND	0.051	0.051	ug/L	1	10/05/21	SC	SW8082A
PCB-1262	ND	0.051	0.051	ug/L	1	10/05/21	SC	SW8082A
PCB-1268	ND	0.051	0.051	ug/L	1	10/05/21	SC	SW8082A
QA/QC Surrogates								
% DCBP	65			%	1	10/05/21	SC	30 - 150 %
% DCBP (Confirmation)	68			%	1	10/05/21	SC	30 - 150 %
% TCMX	70			%	1	10/05/21	SC	30 - 150 %
% TCMX (Confirmation)	72			%	1	10/05/21	SC	30 - 150 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	10/07/21	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	10/07/21	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	10/07/21	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	10/07/21	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	10/07/21	MH	SW8260C

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	10/07/21	MH	SW8260C	
Acetone	ND	5.0	2.5	ug/L	1	10/07/21	MH	SW8260C	
Acrolein	ND	5.0	2.5	ug/L	1	10/07/21	MH	SW8260C	
Acrylonitrile	ND	5.0	2.5	ug/L	1	10/07/21	MH	SW8260C	
Benzene	ND	0.70	0.25	ug/L	1	10/07/21	MH	SW8260C	
Bromobenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Bromochloromethane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Bromodichloromethane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Bromoform	ND	5.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Bromomethane	ND	5.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Carbon Disulfide	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Chlorobenzene	ND	5.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Chloroethane	ND	5.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Chloroform	ND	5.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Chloromethane	ND	5.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	10/07/21	MH	SW8260C	
Dibromochloromethane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Dibromomethane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Ethylbenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	10/07/21	MH	SW8260C	
Isopropylbenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
m&p-Xylene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	10/07/21	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Methylene chloride	ND	3.0	1.0	ug/L	1	10/07/21	MH	SW8260C	
Naphthalene	ND	1.0	1.0	ug/L	1	10/07/21	MH	SW8260C	
n-Butylbenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
n-Propylbenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
o-Xylene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Styrene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Tetrachloroethene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	10/07/21	MH	SW8260C	1
Toluene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	10/07/21	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	10/07/21	MH	SW8260C	
Trichloroethene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Vinyl chloride	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	

QA/QC Surrogates

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% 1,2-dichlorobenzene-d4	104			%	1	10/07/21	MH	70 - 130 %
% Bromofluorobenzene	100			%	1	10/07/21	MH	70 - 130 %
% Dibromofluoromethane	92			%	1	10/07/21	MH	70 - 130 %
% Toluene-d8	93			%	1	10/07/21	MH	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100	50	ug/l	1	10/07/21	MH	SW8260C
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	10/07/21	MH	SW8260C
Acrylonitrile	ND	5.0	0.25	ug/L	1	10/07/21	MH	SW8260C
Tert-butyl alcohol	ND	50	10	ug/L	1	10/07/21	MH	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	3.5	3.5	ug/L	1	10/07/21	WB	SW8270D
1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/L	1	10/07/21	WB	SW8270D
1,2-Dichlorobenzene	ND	0.99	0.99	ug/L	1	10/07/21	WB	SW8270D
1,2-Diphenylhydrazine	ND	5.0	1.6	ug/L	1	10/07/21	WB	SW8270D
1,3-Dichlorobenzene	ND	0.99	0.99	ug/L	1	10/07/21	WB	SW8270D
1,4-Dichlorobenzene	ND	0.99	0.99	ug/L	1	10/07/21	WB	SW8270D
2,4,5-Trichlorophenol	ND	0.99	0.99	ug/L	1	10/07/21	WB	SW8270D
2,4,6-Trichlorophenol	ND	0.99	0.99	ug/L	1	10/07/21	WB	SW8270D
2,4-Dichlorophenol	ND	0.99	0.99	ug/L	1	10/07/21	WB	SW8270D
2,4-Dimethylphenol	ND	0.99	0.99	ug/L	1	10/07/21	WB	SW8270D
2,4-Dinitrophenol	ND	0.99	0.99	ug/L	1	10/07/21	WB	SW8270D
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	1	10/07/21	WB	SW8270D
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	1	10/07/21	WB	SW8270D
2-Chloronaphthalene	ND	5.0	1.4	ug/L	1	10/07/21	WB	SW8270D
2-Chlorophenol	ND	0.99	0.99	ug/L	1	10/07/21	WB	SW8270D
2-Methylnaphthalene	ND	5.0	1.5	ug/L	1	10/07/21	WB	SW8270D
2-Methylphenol (o-cresol)	ND	0.99	0.99	ug/L	1	10/07/21	WB	SW8270D
2-Nitroaniline	ND	5.0	2.0	ug/L	1	10/07/21	WB	SW8270D
2-Nitrophenol	ND	0.99	0.99	ug/L	1	10/07/21	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.99	0.99	ug/L	1	10/07/21	WB	SW8270D
3,3'-Dichlorobenzidine	ND	5.0	2.3	ug/L	1	10/07/21	WB	SW8270D
3-Nitroaniline	ND	5.0	2.0	ug/L	1	10/07/21	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.99	0.99	ug/L	1	10/07/21	WB	SW8270D
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	1	10/07/21	WB	SW8270D
4-Chloro-3-methylphenol	ND	0.99	0.99	ug/L	1	10/07/21	WB	SW8270D
4-Chloroaniline	ND	3.5	2.3	ug/L	1	10/07/21	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	1	10/07/21	WB	SW8270D
4-Nitroaniline	ND	5.0	1.7	ug/L	1	10/07/21	WB	SW8270D
4-Nitrophenol	ND	0.99	0.99	ug/L	1	10/07/21	WB	SW8270D
Acenaphthene	ND	5.0	1.5	ug/L	1	10/07/21	WB	SW8270D
Acetophenone	ND	5.0	1.5	ug/L	1	10/07/21	WB	SW8270D
Aniline	ND	3.5	3.5	ug/L	1	10/07/21	WB	SW8270D
Anthracene	ND	5.0	1.6	ug/L	1	10/07/21	WB	SW8270D
Benzidine	ND	4.5	2.9	ug/L	1	10/07/21	WB	SW8270D
Benzoic acid	ND	25	9.9	ug/L	1	10/07/21	WB	SW8270D

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	1	10/07/21	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	1	10/07/21	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	0.99	0.99	ug/L	1	10/07/21	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	1	10/07/21	WB	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND	0.99	0.99	ug/L	1	10/07/21	WB	SW8270D	
Carbazole	ND	5.0	3.8	ug/L	1	10/07/21	WB	SW8270D	
Dibenzofuran	ND	5.0	1.4	ug/L	1	10/07/21	WB	SW8270D	
Diethyl phthalate	ND	5.0	1.6	ug/L	1	10/07/21	WB	SW8270D	
Dimethylphthalate	ND	5.0	1.5	ug/L	1	10/07/21	WB	SW8270D	
Di-n-butylphthalate	ND	5.0	1.3	ug/L	1	10/07/21	WB	SW8270D	
Di-n-octylphthalate	ND	5.0	1.3	ug/L	1	10/07/21	WB	SW8270D	
Fluoranthene	ND	5.0	1.6	ug/L	1	10/07/21	WB	SW8270D	
Fluorene	ND	5.0	1.6	ug/L	1	10/07/21	WB	SW8270D	
Hexachloroethane	ND	0.99	0.99	ug/L	1	10/07/21	WB	SW8270D	
Isophorone	ND	5.0	1.4	ug/L	1	10/07/21	WB	SW8270D	
Naphthalene	ND	5.0	1.4	ug/L	1	10/07/21	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	1	10/07/21	WB	SW8270D	
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	1	10/07/21	WB	SW8270D	
Pentachloronitrobenzene	ND	2.5	2.5	ug/L	1	10/07/21	WB	SW8270D	
Phenol	ND	0.99	0.99	ug/L	1	10/07/21	WB	SW8270D	
Pyrene	ND	5.0	1.7	ug/L	1	10/07/21	WB	SW8270D	
Pyridine	ND	9.9	1.2	ug/L	1	10/07/21	WB	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	82			%	1	10/07/21	WB	15 - 110 %	
% 2-Fluorobiphenyl	69			%	1	10/07/21	WB	30 - 130 %	
% 2-Fluorophenol	49			%	1	10/07/21	WB	15 - 110 %	
% Nitrobenzene-d5	67			%	1	10/07/21	WB	30 - 130 %	
% Phenol-d5	55			%	1	10/07/21	WB	15 - 110 %	
% Terphenyl-d14	90			%	1	10/07/21	WB	30 - 130 %	
Semivolatiles									
Acenaphthylene	ND	0.50	0.50	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Benz(a)anthracene	ND	0.02	0.02	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Benzo(a)pyrene	ND	0.02	0.02	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Benzo(ghi)perylene	ND	0.50	0.50	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Chrysene	ND	0.02	0.02	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Dibenz(a,h)anthracene	ND	0.50	0.50	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Hexachlorobenzene	ND	0.04	0.04	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Hexachlorobutadiene	ND	0.50	0.50	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Hexachlorocyclopentadiene	ND	0.50	0.50	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Nitrobenzene	ND	0.40	0.40	ug/L	1	10/06/21	WB	SW8270D (SIM)	
N-Nitrosodimethylamine	ND	0.10	0.10	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Pentachlorophenol	ND	0.50	0.50	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Phenanthrene	ND	0.50	0.50	ug/L	1	10/06/21	WB	SW8270D (SIM)	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	77			%	1	10/06/21	WB	15 - 110 %	
% 2-Fluorobiphenyl	67			%	1	10/06/21	WB	30 - 130 %	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorophenol	53			%	1	10/06/21	WB	15 - 110 %
% Nitrobenzene-d5	62			%	1	10/06/21	WB	30 - 130 %
% Phenol-d5	53			%	1	10/06/21	WB	15 - 110 %
% Terphenyl-d14	65			%	1	10/06/21	WB	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 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.

Semi-Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
October 12, 2021
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 12, 2021

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		10/01/21	16:30
Location Code:	BRUSSEE	Received by:	SW	10/04/21	16:47
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCJ48515
Phoenix ID: CJ48519

Project ID: 188 E 135TH STREET
Client ID: DUP

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND		0.005	0.001	mg/L	1	10/06/21	EK	SW6010D
Aluminum	ND		0.020	0.01	mg/L	1	10/06/21	EK	SW6010D
Arsenic - LDL	0.019		0.004	0.004	mg/L	1	10/06/21	EK	SW6010D
Barium	0.096		0.010	0.001	mg/L	1	10/06/21	EK	SW6010D
Beryllium	ND		0.001	0.001	mg/L	1	10/06/21	EK	SW6010D
Calcium	104		0.010	0.01	mg/L	1	10/06/21	EK	SW6010D
Cadmium	ND		0.004	0.0005	mg/L	1	10/06/21	EK	SW6010D
Cobalt	0.002	J	0.005	0.001	mg/L	1	10/06/21	EK	SW6010D
Chromium	ND		0.001	0.001	mg/L	1	10/06/21	EK	SW6010D
Copper	0.006		0.005	0.001	mg/L	1	10/06/21	EK	SW6010D
Silver (Dissolved)	ND		0.005	0.001	mg/L	1	10/05/21	EK	SW6010D
Aluminum (Dissolved)	0.023		0.011	0.0026	mg/L	1	10/05/21	EK	SW6010D
Arsenic, (Dissolved)	0.006		0.003	0.001	mg/L	1	10/05/21	EK	SW6010D
Barium (Dissolved)	0.066		0.011	0.001	mg/L	1	10/05/21	EK	SW6010D
Beryllium (Dissolved)	ND		0.001	0.001	mg/L	1	10/05/21	EK	SW6010D
Calcium (Dissolved)	96.6		0.01	0.003	mg/L	1	10/05/21	EK	SW6010D
Cadmium (Dissolved)	ND		0.004	0.0005	mg/L	1	10/05/21	EK	SW6010D
Cobalt, (Dissolved)	0.001	J	0.005	0.001	mg/L	1	10/05/21	EK	SW6010D
Chromium (Dissolved)	ND		0.001	0.001	mg/L	1	10/05/21	EK	SW6010D
Copper, (Dissolved)	0.001	J	0.005	0.001	mg/L	1	10/05/21	EK	SW6010D
Iron, (Dissolved)	ND		0.01	0.01	mg/L	1	10/05/21	EK	SW6010D
Mercury (Dissolved)	ND		0.0002	0.00015	mg/L	1	10/05/21	AP	SW7470A
Potassium (Dissolved)	19.9		0.1	0.1	mg/L	1	10/05/21	EK	SW6010D
Magnesium (Dissolved)	40.6		0.01	0.01	mg/L	1	10/05/21	EK	SW6010D
Manganese, (Dissolved)	1.67		0.005	0.001	mg/L	1	10/05/21	EK	SW6010D
Sodium (Dissolved)	361		1.1	1.1	mg/L	10	10/06/21	EK	SW6010D
Nickel, (Dissolved)	0.004	J	0.004	0.001	mg/L	1	10/06/21	CPP	SW6010D
Lead (Dissolved)	0.001	J	0.002	0.001	mg/L	1	10/05/21	EK	SW6010D

Ver 1

Project ID: 188 E 135TH STREET
Client ID: DUP

Phoenix I.D.: CJ48519

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Antimony (Dissolved)-LDL	0.0019	0.0003	0.0001	mg/L	1	10/06/21	CPP	SW6020B	
Selenium (Dissolved)-LDL	ND	0.002	0.0001	mg/L	1	10/06/21	CPP	SW6020B	
Thallium (Dissolved)	ND	0.0003	0.0001	mg/L	1	10/06/21	CPP	SW6020B	
Vanadium, (Dissolved)	ND	0.011	0.001	mg/L	1	10/05/21	EK	SW6010D	
Zinc, (Dissolved)	ND	0.011	0.002	mg/L	1	10/05/21	EK	SW6010D	
Iron	5.21	0.01	0.01	mg/L	1	10/06/21	EK	SW6010D	
Mercury	ND	0.0002	0.00015	mg/L	1	10/05/21	AP	SW7470A	
Potassium	23.6	0.1	0.01	mg/L	1	10/06/21	EK	SW6010D	
Magnesium	46.9	0.010	0.01	mg/L	1	10/06/21	EK	SW6010D	
Manganese	2.09	0.050	0.010	mg/L	10	10/07/21	CPP	SW6010D	
Sodium	369	1.0	1.0	mg/L	10	10/07/21	CPP	SW6010D	
Nickel	0.007	0.004	0.001	mg/L	1	10/06/21	CPP	SW6010D	
Lead	ND	0.002	0.001	mg/L	1	10/06/21	EK	SW6010D	
Antimony	ND	0.0030	0.0005	mg/L	5	10/07/21	CPP	SW6020B	
Selenium	ND	0.010	0.0005	mg/L	5	10/07/21	CPP	SW6020B	
Thallium	ND	0.0005	0.0005	mg/L	5	10/07/21	CPP	SW6020B	
Vanadium	0.001	J 0.010	0.001	mg/L	1	10/06/21	EK	SW6010D	
Zinc	0.009	J 0.010	0.0011	mg/L	1	10/06/21	EK	SW6010D	
Filtration	Completed					10/04/21	TH	0.45um Filter	
Dissolved Mercury Digestion	Completed					10/05/21	AB/AB	SW7470A	
Mercury Digestion	Completed					10/05/21	AB/AB	SW7470A	
PCB Extraction (LDL)	Completed					10/04/21	F/F	SW3510C	
Extraction for Pest (LDL)	Completed					10/04/21	F/F	SW3510C	
Semi-Volatile Extraction	Completed					10/04/21	P/K	SW3520C	
Dissolved Metals Preparation	Completed					10/04/21	TH	SW3005A	
Dissolved Metals Preparation	Completed					10/04/21	TH	SW3005A	
Total Metals Digestion	Completed					10/05/21	TH		
Total Metals Digestion MS	Completed					10/05/21	TH		

Pesticides

4,4' -DDD	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B	
4,4' -DDE	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B	
4,4' -DDT	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B	
a-BHC	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B	
a-chlordane	ND	0.011	0.011	ug/L	1	10/06/21	AW	SW8081B	
Alachlor	ND	0.079	0.079	ug/L	1	10/06/21	AW	SW8081B	1
Aldrin	ND	0.002	0.002	ug/L	1	10/06/21	AW	SW8081B	
b-BHC	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B	
Chlordane	ND	0.021	0.021	ug/L	1	10/06/21	AW	SW8081B	
d-BHC	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B	
Dieldrin	ND	0.004	0.004	ug/L	1	10/06/21	AW	SW8081B	
Endosulfan I	ND	0.011	0.011	ug/L	1	10/06/21	AW	SW8081B	
Endosulfan II	ND	0.011	0.011	ug/L	1	10/06/21	AW	SW8081B	
Endosulfan Sulfate	ND	0.011	0.011	ug/L	1	10/06/21	AW	SW8081B	
Endrin	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B	
Endrin Aldehyde	ND	0.011	0.011	ug/L	1	10/06/21	AW	SW8081B	
Endrin ketone	ND	0.011	0.011	ug/L	1	10/06/21	AW	SW8081B	
g-BHC (Lindane)	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B	
g-chlordane	ND	0.011	0.011	ug/L	1	10/06/21	AW	SW8081B	

Ver 1

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Phoenix I.D.: CJ48519

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Heptachlor	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B
Heptachlor epoxide	ND	0.005	0.005	ug/L	1	10/06/21	AW	SW8081B
Methoxychlor	ND	0.11	0.11	ug/L	1	10/06/21	AW	SW8081B
Toxaphene	ND	0.21	0.21	ug/L	1	10/06/21	AW	SW8081B
QA/QC Surrogates								
%DCBP (Surrogate Rec)	85			%	1	10/06/21	AW	30 - 150 %
%DCBP (Surrogate Rec) (Confirmation)	70			%	1	10/06/21	AW	30 - 150 %
%TCMX (Surrogate Rec)	92			%	1	10/06/21	AW	30 - 150 %
%TCMX (Surrogate Rec) (Confirmation)	70			%	1	10/06/21	AW	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND	0.053	0.053	ug/L	1	10/05/21	SC	SW8082A
PCB-1221	ND	0.053	0.053	ug/L	1	10/05/21	SC	SW8082A
PCB-1232	ND	0.053	0.053	ug/L	1	10/05/21	SC	SW8082A
PCB-1242	ND	0.053	0.053	ug/L	1	10/05/21	SC	SW8082A
PCB-1248	ND	0.053	0.053	ug/L	1	10/05/21	SC	SW8082A
PCB-1254	ND	0.053	0.053	ug/L	1	10/05/21	SC	SW8082A
PCB-1260	ND	0.053	0.053	ug/L	1	10/05/21	SC	SW8082A
PCB-1262	ND	0.053	0.053	ug/L	1	10/05/21	SC	SW8082A
PCB-1268	ND	0.053	0.053	ug/L	1	10/05/21	SC	SW8082A
QA/QC Surrogates								
% DCBP	74			%	1	10/05/21	SC	30 - 150 %
% DCBP (Confirmation)	80			%	1	10/05/21	SC	30 - 150 %
% TCMX	78			%	1	10/05/21	SC	30 - 150 %
% TCMX (Confirmation)	80			%	1	10/05/21	SC	30 - 150 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	10/07/21	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	10/07/21	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	10/07/21	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	10/07/21	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	10/07/21	MH	SW8260C

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	10/07/21	MH	SW8260C	
Acetone	ND	5.0	2.5	ug/L	1	10/07/21	MH	SW8260C	
Acrolein	ND	5.0	2.5	ug/L	1	10/07/21	MH	SW8260C	
Acrylonitrile	ND	5.0	2.5	ug/L	1	10/07/21	MH	SW8260C	
Benzene	ND	0.70	0.25	ug/L	1	10/07/21	MH	SW8260C	
Bromobenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Bromochloromethane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Bromodichloromethane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Bromoform	ND	5.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Bromomethane	ND	5.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Carbon Disulfide	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Chlorobenzene	ND	5.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Chloroethane	ND	5.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Chloroform	ND	5.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Chloromethane	ND	5.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	10/07/21	MH	SW8260C	
Dibromochloromethane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Dibromomethane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Ethylbenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	10/07/21	MH	SW8260C	
Isopropylbenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
m&p-Xylene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	10/07/21	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Methylene chloride	ND	3.0	1.0	ug/L	1	10/07/21	MH	SW8260C	
Naphthalene	ND	1.0	1.0	ug/L	1	10/07/21	MH	SW8260C	
n-Butylbenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
n-Propylbenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
o-Xylene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Styrene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Tetrachloroethene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	10/07/21	MH	SW8260C	1
Toluene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	10/07/21	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	10/07/21	MH	SW8260C	
Trichloroethene	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	
Vinyl chloride	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C	

QA/QC Surrogates

Project ID: 188 E 135TH STREET
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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% 1,2-dichlorobenzene-d4	103			%	1	10/07/21	MH	70 - 130 %
% Bromofluorobenzene	99			%	1	10/07/21	MH	70 - 130 %
% Dibromofluoromethane	91			%	1	10/07/21	MH	70 - 130 %
% Toluene-d8	91			%	1	10/07/21	MH	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100	50	ug/l	1	10/07/21	MH	SW8260C
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	10/07/21	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	10/07/21	MH	SW8260C
Acrylonitrile	ND	5.0	0.25	ug/L	1	10/07/21	MH	SW8260C
Tert-butyl alcohol	ND	50	10	ug/L	1	10/07/21	MH	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	3.5	3.5	ug/L	1	10/07/21	WB	SW8270D
1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/L	1	10/07/21	WB	SW8270D
1,2-Dichlorobenzene	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D
1,2-Diphenylhydrazine	ND	5.0	1.6	ug/L	1	10/07/21	WB	SW8270D
1,3-Dichlorobenzene	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D
1,4-Dichlorobenzene	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D
2,4,5-Trichlorophenol	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D
2,4,6-Trichlorophenol	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D
2,4-Dichlorophenol	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D
2,4-Dimethylphenol	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D
2,4-Dinitrophenol	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	1	10/07/21	WB	SW8270D
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	1	10/07/21	WB	SW8270D
2-Chloronaphthalene	ND	5.0	1.4	ug/L	1	10/07/21	WB	SW8270D
2-Chlorophenol	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D
2-Methylnaphthalene	ND	5.0	1.5	ug/L	1	10/07/21	WB	SW8270D
2-Methylphenol (o-cresol)	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D
2-Nitroaniline	ND	5.0	2.0	ug/L	1	10/07/21	WB	SW8270D
2-Nitrophenol	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D
3,3'-Dichlorobenzidine	ND	5.0	2.4	ug/L	1	10/07/21	WB	SW8270D
3-Nitroaniline	ND	5.0	2.0	ug/L	1	10/07/21	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	1	10/07/21	WB	SW8270D
4-Chloro-3-methylphenol	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D
4-Chloroaniline	ND	3.5	2.3	ug/L	1	10/07/21	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	1	10/07/21	WB	SW8270D
4-Nitroaniline	ND	5.0	1.7	ug/L	1	10/07/21	WB	SW8270D
4-Nitrophenol	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D
Acenaphthene	ND	5.0	1.5	ug/L	1	10/07/21	WB	SW8270D
Acetophenone	ND	5.0	1.6	ug/L	1	10/07/21	WB	SW8270D
Aniline	ND	3.5	3.5	ug/L	1	10/07/21	WB	SW8270D
Anthracene	ND	5.0	1.6	ug/L	1	10/07/21	WB	SW8270D
Benzidine	ND	4.5	2.9	ug/L	1	10/07/21	WB	SW8270D
Benzoic acid	ND	25	10	ug/L	1	10/07/21	WB	SW8270D

Project ID: 188 E 135TH STREET
Client ID: DUP

Phoenix I.D.: CJ48519

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	1	10/07/21	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	1	10/07/21	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	1	10/07/21	WB	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
Carbazole	ND	5.0	3.8	ug/L	1	10/07/21	WB	SW8270D	
Dibenzofuran	ND	5.0	1.5	ug/L	1	10/07/21	WB	SW8270D	
Diethyl phthalate	ND	5.0	1.6	ug/L	1	10/07/21	WB	SW8270D	
Dimethylphthalate	ND	5.0	1.6	ug/L	1	10/07/21	WB	SW8270D	
Di-n-butylphthalate	ND	5.0	1.3	ug/L	1	10/07/21	WB	SW8270D	
Di-n-octylphthalate	ND	5.0	1.3	ug/L	1	10/07/21	WB	SW8270D	
Fluoranthene	ND	5.0	1.6	ug/L	1	10/07/21	WB	SW8270D	
Fluorene	ND	5.0	1.7	ug/L	1	10/07/21	WB	SW8270D	
Hexachloroethane	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
Isophorone	ND	5.0	1.4	ug/L	1	10/07/21	WB	SW8270D	
Naphthalene	ND	5.0	1.4	ug/L	1	10/07/21	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	1	10/07/21	WB	SW8270D	
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	1	10/07/21	WB	SW8270D	
Pentachloronitrobenzene	ND	2.5	2.5	ug/L	1	10/07/21	WB	SW8270D	
Phenol	ND	1.0	1.0	ug/L	1	10/07/21	WB	SW8270D	
Pyrene	ND	5.0	1.7	ug/L	1	10/07/21	WB	SW8270D	
Pyridine	ND	10	1.2	ug/L	1	10/07/21	WB	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	77			%	1	10/07/21	WB	15 - 110 %	
% 2-Fluorobiphenyl	70			%	1	10/07/21	WB	30 - 130 %	
% 2-Fluorophenol	57			%	1	10/07/21	WB	15 - 110 %	
% Nitrobenzene-d5	74			%	1	10/07/21	WB	30 - 130 %	
% Phenol-d5	63			%	1	10/07/21	WB	15 - 110 %	
% Terphenyl-d14	90			%	1	10/07/21	WB	30 - 130 %	
Semivolatiles									
Acenaphthylene	ND	0.50	0.50	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Benz(a)anthracene	ND	0.02	0.02	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Benzo(a)pyrene	ND	0.02	0.02	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Benzo(ghi)perylene	ND	0.50	0.50	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Chrysene	ND	0.02	0.02	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Dibenz(a,h)anthracene	ND	0.50	0.50	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Hexachlorobenzene	ND	0.04	0.04	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Hexachlorobutadiene	ND	0.50	0.50	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Hexachlorocyclopentadiene	ND	0.50	0.50	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Nitrobenzene	ND	0.40	0.40	ug/L	1	10/06/21	WB	SW8270D (SIM)	
N-Nitrosodimethylamine	ND	0.10	0.10	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Pentachlorophenol	ND	0.50	0.50	ug/L	1	10/06/21	WB	SW8270D (SIM)	
Phenanthrene	ND	0.50	0.50	ug/L	1	10/06/21	WB	SW8270D (SIM)	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	78			%	1	10/06/21	WB	15 - 110 %	
% 2-Fluorobiphenyl	68			%	1	10/06/21	WB	30 - 130 %	

Ver 1

Project ID: 188 E 135TH STREET
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Phoenix I.D.: CJ48519

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorophenol	59			%	1	10/06/21	WB	15 - 110 %
% Nitrobenzene-d5	67			%	1	10/06/21	WB	30 - 130 %
% Phenol-d5	63			%	1	10/06/21	WB	15 - 110 %
% Terphenyl-d14	65			%	1	10/06/21	WB	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 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.

Semi-Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
October 12, 2021
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 12, 2021

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		10/01/21	
Location Code:	BRUSSEE	Received by:	SW	10/04/21	16:47
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCJ48515
Phoenix ID: CJ48520

Project ID: 188 E 135TH STREET
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	10/06/21	MH	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	10/06/21	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	10/06/21	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	10/06/21	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	10/06/21	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	10/06/21	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	10/06/21	MH	SW8260C	

Project ID: 188 E 135TH STREET
Client ID: TRIP BLANK

Phoenix I.D.: CJ48520

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	5.0	2.5	ug/L	1	10/06/21	MH	SW8260C	
Acrolein	ND	5.0	2.5	ug/L	1	10/06/21	MH	SW8260C	
Acrylonitrile	ND	5.0	2.5	ug/L	1	10/06/21	MH	SW8260C	
Benzene	ND	0.70	0.25	ug/L	1	10/06/21	MH	SW8260C	
Bromobenzene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Bromochloromethane	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Bromodichloromethane	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Bromoform	ND	5.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Bromomethane	ND	5.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Carbon Disulfide	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Chlorobenzene	ND	5.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Chloroethane	ND	5.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Chloroform	ND	5.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Chloromethane	ND	5.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	10/06/21	MH	SW8260C	
Dibromochloromethane	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Dibromomethane	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Ethylbenzene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	10/06/21	MH	SW8260C	
Isopropylbenzene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
m&p-Xylene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	10/06/21	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Methylene chloride	ND	3.0	1.0	ug/L	1	10/06/21	MH	SW8260C	
Naphthalene	ND	1.0	1.0	ug/L	1	10/06/21	MH	SW8260C	
n-Butylbenzene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
n-Propylbenzene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
o-Xylene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Styrene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Tetrachloroethene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	10/06/21	MH	SW8260C	1
Toluene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	10/06/21	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	10/06/21	MH	SW8260C	
Trichloroethene	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
Vinyl chloride	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	104			%	1	10/06/21	MH	70 - 130 %	
% Bromofluorobenzene	98			%	1	10/06/21	MH	70 - 130 %	
% Dibromofluoromethane	93			%	1	10/06/21	MH	70 - 130 %	

Ver 1

Project ID: 188 E 135TH STREET
Client ID: TRIP BLANK

Phoenix I.D.: CJ48520

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	93			%	1	10/06/21	MH	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100	50	ug/l	1	10/06/21	MH	SW8260C
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	10/06/21	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	10/06/21	MH	SW8260C
Acrylonitrile	ND	5.0	0.25	ug/L	1	10/06/21	MH	SW8260C
Tert-butyl alcohol	ND	50	10	ug/L	1	10/06/21	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 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.

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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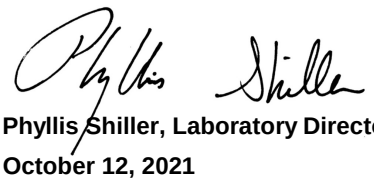

Phyllis Shiller, Laboratory Director
October 12, 2021
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Tuesday, October 12, 2021

Criteria: NY: GW

State: NY

Sample Criteria Exceedances Report

GCJ48515 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CJ48515	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CJ48515	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CJ48515	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CJ48515	$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CJ48515	$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CJ48515	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CJ48515	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CJ48515	$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CJ48515	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CJ48515	$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CJ48515	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CJ48515	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CJ48515	$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CJ48515	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CJ48515	$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.20	0.06	0.06	ug/L
CJ48515	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	3.75	0.020	0.1	0.1	mg/L
CJ48515	DMN-WMDP	Manganese, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	1.46	0.005	0.3	0.3	mg/L
CJ48515	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	315	1.1	20	20	mg/L
CJ48515	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	11.1	0.01	0.3	0.3	mg/L
CJ48515	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	39.8	0.010	35	35	mg/L
CJ48515	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	1.94	0.005	0.3	0.3	mg/L
CJ48515	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	308	1.0	20	20	mg/L
CJ48515	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.028	0.002	0.025	0.025	mg/L
CJ48516	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CJ48516	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CJ48516	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CJ48516	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.49	0.02	0.002	0.002	ug/L
CJ48516	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.57	0.02	0.002	0.002	ug/L
CJ48516	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.64	0.02	0.002	0.002	ug/L
CJ48516	$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.49	0.02	0.002	0.002	ug/L
CJ48516	$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.49	0.02	0.002	0.002	ug/L
CJ48516	$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.64	0.02	0.002	0.002	ug/L
CJ48516	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.49	0.02	0.002	0.002	ug/L
CJ48516	$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.49	0.02	0.002	0.002	ug/L
CJ48516	$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.49	0.02	0.002	0.002	ug/L
CJ48516	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	0.64	0.02	0.002	0.002	ug/L
CJ48516	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.57	0.02	0.002	0.002	ug/L
CJ48516	$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.21	0.06	0.06	ug/L
CJ48516	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	108	0.20	0.1	0.1	mg/L
CJ48516	AS-WMDP	Arsenic - LDL	NY / TOGS - Water Quality / GA Criteria	0.033	0.004	0.025	0.025	mg/L
CJ48516	BE-WM	Beryllium	NY / TOGS - Water Quality / GA Criteria	0.011	0.001	0.003	0.003	mg/L

Tuesday, October 12, 2021

Criteria: NY: GW

State: NY

Sample Criteria Exceedances Report

GCJ48515 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CJ48516	CD-WMDP	Cadmium	NY / TOGS - Water Quality / GA Criteria	0.008	0.004	0.005	0.005	mg/L
CJ48516	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.191	0.001	0.05	0.05	mg/L
CJ48516	CU-WMDP	Copper	NY / TOGS - Water Quality / GA Criteria	0.358	0.005	0.2	0.2	mg/L
CJ48516	D-AL	Aluminum (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.245	0.011	0.1	0.1	mg/L
CJ48516	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	84.7	1.1	20	20	mg/L
CJ48516	D-SB-MS	Antimony (Dissolved)-LDL	NY / TOGS - Water Quality / GA Criteria	0.0106	0.0003	0.003	0.003	mg/L
CJ48516	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	203	0.10	0.3	0.3	mg/L
CJ48516	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	87.7	0.10	35	35	mg/L
CJ48516	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	7.54	0.050	0.3	0.3	mg/L
CJ48516	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	201	1.0	20	20	mg/L
CJ48516	NI-WMDP	Nickel	NY / TOGS - Water Quality / GA Criteria	0.165	0.004	0.1	0.1	mg/L
CJ48516	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.876	0.002	0.025	0.025	mg/L
CJ48516	TL-WM-MS	Thallium	NY / TOGS - Water Quality / GA Criteria	0.0020	0.0005	0.0005	0.0005	mg/L
CJ48517	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CJ48517	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CJ48517	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CJ48517	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CJ48517	$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CJ48517	$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CJ48517	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CJ48517	$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CJ48517	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CJ48517	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CJ48517	$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CJ48517	$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CJ48517	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CJ48517	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CJ48517	$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.21	0.06	0.06	ug/L
CJ48517	D-MG	Magnesium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	38.5	0.01	35	35	mg/L
CJ48517	DMN-WMDP	Manganese, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	1.61	0.005	0.3	0.3	mg/L
CJ48517	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	347	1.1	20	20	mg/L
CJ48517	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	5.41	0.01	0.3	0.3	mg/L
CJ48517	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	43.5	0.010	35	35	mg/L
CJ48517	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	1.91	0.005	0.3	0.3	mg/L
CJ48517	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	350	1.0	20	20	mg/L
CJ48518	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CJ48518	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CJ48518	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CJ48518	$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CJ48518	$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L

Tuesday, October 12, 2021

Criteria: NY: GW

State: NY

Sample Criteria Exceedances Report

GCJ48515 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CJ48518	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CJ48518	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CJ48518	$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CJ48518	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CJ48518	$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CJ48518	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CJ48518	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CJ48518	$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CJ48518	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CJ48518	$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.20	0.06	0.06	ug/L
CJ48518	D-MG	Magnesium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	37.8	0.01	35	35	mg/L
CJ48518	DMN-WMDP	Manganese, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	1.54	0.005	0.3	0.3	mg/L
CJ48518	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	342	1.1	20	20	mg/L
CJ48518	D-SB-MS	Antimony (Dissolved)-LDL	NY / TOGS - Water Quality / GA Criteria	0.0036	0.0003	0.003	0.003	mg/L
CJ48518	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	5.95	0.01	0.3	0.3	mg/L
CJ48518	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	42.8	0.010	35	35	mg/L
CJ48518	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	1.93	0.005	0.3	0.3	mg/L
CJ48518	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	333	1.0	20	20	mg/L
CJ48519	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CJ48519	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CJ48519	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CJ48519	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CJ48519	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CJ48519	$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CJ48519	$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CJ48519	$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CJ48519	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CJ48519	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CJ48519	$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CJ48519	$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CJ48519	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CJ48519	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CJ48519	$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.21	0.06	0.06	ug/L
CJ48519	D-MG	Magnesium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	40.6	0.01	35	35	mg/L
CJ48519	DMN-WMDP	Manganese, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	1.67	0.005	0.3	0.3	mg/L
CJ48519	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	361	1.1	20	20	mg/L
CJ48519	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	5.21	0.01	0.3	0.3	mg/L
CJ48519	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	46.9	0.010	35	35	mg/L
CJ48519	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	2.09	0.050	0.3	0.3	mg/L
CJ48519	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	369	1.0	20	20	mg/L

Tuesday, October 12, 2021

Criteria: NY: GW

State: NY

Sample Criteria Exceedances Report

GCJ48515 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CJ48520	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CJ48520	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CJ48520	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

October 12, 2021

SDG I.D.: GCJ48515

The samples in this delivery group were received at 2.0°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 °C Pg of

NY/NJ/PA 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:
[X] Phone: (631) 338-1749
[ ] Fax:
[X] Email: kevinbrussee@hotmail.com

Customer: BEC
Address: 14 Evans Lane, Miller Place NY

Project: 188 E. 135th Street
Report to: BEC (Kevin Brussee)
Invoice to: BEC
QUOTE # :

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 10/1/21

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/PCB	Dissolved Metals	Undissolved Metals	1,4 Dioxane
48515	20MW1	GW	10/1/21	1500	X	X	X	X	X	X
48516	20MW2	GW	10/1/21	1430	X	X	X	X	X	X
48517	20MW3	GW	10/1/21	1530	X	X	X	X	X	X
48518	20MW4	GW	10/1/21	1600	X	X	X	X	X	
48519	DUP	GW	10/1/21	1630	X	X	X	X	X	
48520	Trip Blank	L	9/24/21	—	X					

SAMPLE #	GL Amber 8 oz. w/NaHSO4	Soil VOA Vials [X] methanol [X] 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 [X] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL NaOH	PL HNO3 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
48515	1				3	3	1			1		
48516	1				3	3	1			1		
48517	1				3	3	1			1		
48518					3	3	1			1		
48519					3	3	1			1		
48520					2							

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	10-4-21	10:32
[signature]	[signature]	10/4	1647

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
[X] TOGS GW
[ ] CP-51 SOIL
[ ] 375SCO Unrestricted Soil
[ ] 375SCO Residential Soil
[ ] 375SCO Residential Restricted Soil
[ ] 375SCO Commercial Soil
[ ] 375SCO Industrial Soil
[ ] Subpart 5 DW

PA
[ ] Clean Fill Limits
[ ] PA-GW
[ ] Reg Fill Limits
[ ] PA Soil Restricted
[ ] PA Soil non-restricted

State Samples Collected? NY

Comments, Special Requirements or Regulations:

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

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

PHOENIX
Environmental Laboratories, Inc.

Tuesday, September 28, 2021

Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Project ID: 188 E 135TH ST BRONX NY
SDG ID: GCJ33255
Sample ID#s: CJ33255 - CJ33271

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 are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

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

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

September 28, 2021

SDG I.D.: GCJ33255

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

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

NY # 11301

Sample Id Cross Reference

September 28, 2021

SDG I.D.: GCJ33255

Project ID: 188 E 135TH ST BRONX NY

Client Id	Lab Id	Matrix
20B2 (0-2)	CJ33255	SOIL
20B2 (3-5)	CJ33256	SOIL
20B1 (0-2)	CJ33257	SOIL
20B1 (3-5)	CJ33258	SOIL
20B3 (0-2)	CJ33259	SOIL
20B3 (3-5)	CJ33260	SOIL
20B4 (0-2)	CJ33261	SOIL
20B4 (3-5)	CJ33262	SOIL
20B6 (0-2)	CJ33263	SOIL
20B6 (3-5)	CJ33264	SOIL
20B5 (0-2)	CJ33265	SOIL
20B5 (3-5)	CJ33266	SOIL
20B7 (0-5)	CJ33267	SOIL
20B7 (3-5)	CJ33268	SOIL
DUPLICATE	CJ33269	SOIL
TRIP BLANK LOW	CJ33270	SOIL
TRIP BLANK HIGH	CJ33271	SOIL

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 28, 2021

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/20/21	8:20
Location Code:	BRUSSEE	Received by:	CP	09/21/21	15:23
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCJ33255
Phoenix ID: CJ33255

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B2 (0-2)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.32	0.32		mg/Kg	1	09/22/21	EK	SW6010D
Aluminum	9160	32		mg/Kg	10	09/22/21	EK	SW6010D
Arsenic	2.45	0.65		mg/Kg	1	09/22/21	EK	SW6010D
Barium	69.1	0.6		mg/Kg	1	09/22/21	EK	SW6010D
Beryllium	0.34	0.26		mg/Kg	1	09/22/21	EK	SW6010D
Calcium	166000	320		mg/Kg	100	09/23/21	TH	SW6010D
Cadmium	1.05	0.32		mg/Kg	1	09/22/21	EK	SW6010D
Cobalt	7.18	0.32		mg/Kg	1	09/22/21	EK	SW6010D
Chromium	16.3	0.32		mg/Kg	1	09/22/21	EK	SW6010D
Copper	117	6.5		mg/kg	10	09/22/21	EK	SW6010D
Iron	16700	32		mg/Kg	10	09/22/21	EK	SW6010D
Mercury	1.12	0.03		mg/Kg	1	09/22/21	AP	SW7471B
Potassium	2470	6		mg/Kg	1	09/22/21	EK	SW6010D
Magnesium	8010	32		mg/Kg	10	09/22/21	EK	SW6010D
Manganese	240	3.2		mg/Kg	10	09/22/21	EK	SW6010D
Sodium	1140	6		mg/Kg	1	09/22/21	EK	SW6010D
Nickel	13.4	0.32		mg/Kg	1	09/22/21	EK	SW6010D
Lead	240	0.6		mg/Kg	1	09/22/21	EK	SW6010D
Antimony	< 3.2	3.2		mg/Kg	1	09/22/21	EK	SW6010D
Selenium	< 1.3	1.3		mg/Kg	1	09/22/21	EK	SW6010D
Thallium	< 1.3	1.3		mg/Kg	1	09/22/21	EK	SW6010D
Vanadium	17.6	0.32		mg/Kg	1	09/22/21	EK	SW6010D
Zinc	232	0.6		mg/Kg	1	09/22/21	EK	SW6010D
Percent Solid	92			%		09/21/21	Q	SW846-%Solid
Extraction for SVOA SIM	Completed					09/21/21	B/E	SW3545A
Soil Extraction for PCB	Completed					09/21/21	B/E	SW3545A
Soil Extraction for Pesticides	Completed					09/21/21	B/E	SW3545A

Ver 1

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B2 (0-2)

Phoenix I.D.: CJ33255

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Field Extraction	Completed					09/20/21		SW5035A	1
Mercury Digestion	Completed					09/22/21	AB/AB	SW7471B	
Soil Extraction for SVOA	Completed					09/21/21	R/K	SW3546	
Total Metals Digest	Completed					09/21/21	M/AG	SW3050B	
Polychlorinated Biphenyls									
PCB-1016	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A	
PCB-1221	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A	
PCB-1232	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A	
PCB-1242	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A	
PCB-1248	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A	
PCB-1254	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A	
PCB-1260	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A	
PCB-1262	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A	
PCB-1268	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A	
QA/QC Surrogates									
% DCBP	65			%	2	09/22/21	SC	30 - 150 %	
% DCBP (Confirmation)	55			%	2	09/22/21	SC	30 - 150 %	
% TCMX	67			%	2	09/22/21	SC	30 - 150 %	
% TCMX (Confirmation)	68			%	2	09/22/21	SC	30 - 150 %	
Pesticides - Soil									
4,4' -DDD	ND	2.1		ug/Kg	2	09/22/21	AW	SW8081B	
4,4' -DDE	ND	2.1		ug/Kg	2	09/22/21	AW	SW8081B	
4,4' -DDT	ND	3.0		ug/Kg	2	09/22/21	AW	SW8081B	
a-BHC	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B	
a-Chlordane	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B	
Aldrin	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B	
b-BHC	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B	
Chlordane	ND	36		ug/Kg	2	09/22/21	AW	SW8081B	
d-BHC	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B	
Dieldrin	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B	
Endosulfan I	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B	
Endosulfan II	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B	
Endosulfan sulfate	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B	
Endrin	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B	
Endrin aldehyde	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B	
Endrin ketone	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B	
g-BHC	ND	1.4		ug/Kg	2	09/22/21	AW	SW8081B	
g-Chlordane	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B	
Heptachlor	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B	
Heptachlor epoxide	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B	
Methoxychlor	ND	36		ug/Kg	2	09/22/21	AW	SW8081B	
Toxaphene	ND	140		ug/Kg	2	09/22/21	AW	SW8081B	
QA/QC Surrogates									
% DCBP	50			%	2	09/22/21	AW	30 - 150 %	
% DCBP (Confirmation)	66			%	2	09/22/21	AW	30 - 150 %	
% TCMX	59			%	2	09/22/21	AW	30 - 150 %	
% TCMX (Confirmation)	60			%	2	09/22/21	AW	30 - 150 %	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C	
1,1-Dichloroethane	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C	
1,1-Dichloroethene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C	
1,1-Dichloropropene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2-Dibromoethane	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2-Dichloroethane	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2-Dichloropropane	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C	
1,3-Dichloropropane	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C	
2,2-Dichloropropane	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C	
2-Chlorotoluene	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C	
2-Hexanone	ND	27	5.3	ug/Kg	1	09/22/21	JLI	SW8260C	
2-Isopropyltoluene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C	1
4-Chlorotoluene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C	
4-Methyl-2-pentanone	ND	27	5.3	ug/Kg	1	09/22/21	JLI	SW8260C	
Acetone	ND	27	5.3	ug/Kg	1	09/22/21	JLI	SW8260C	
Acrylonitrile	ND	11	1.1	ug/Kg	1	09/22/21	JLI	SW8260C	
Benzene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C	
Bromobenzene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C	
Bromochloromethane	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C	
Bromodichloromethane	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C	
Bromoform	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C	
Bromomethane	ND	5.3	2.1	ug/Kg	1	09/22/21	JLI	SW8260C	
Carbon Disulfide	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C	
Carbon tetrachloride	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C	
Chlorobenzene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C	
Chloroethane	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C	
Chloroform	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C	
Chloromethane	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C	
Dibromochloromethane	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C	
Dibromomethane	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C	
Dichlorodifluoromethane	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C	
Ethylbenzene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C	
Hexachlorobutadiene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C	
Isopropylbenzene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
Methyl Ethyl Ketone	ND	32	5.3	ug/Kg	1	09/22/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
Methylene chloride	ND	5.3	5.3	ug/Kg	1	09/22/21	JLI	SW8260C
Naphthalene	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
n-Butylbenzene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
n-Propylbenzene	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
o-Xylene	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
p-Isopropyltoluene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
sec-Butylbenzene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
Styrene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
tert-Butylbenzene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
Tetrachloroethene	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND	11	2.7	ug/Kg	1	09/22/21	JLI	SW8260C
Toluene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	11	2.7	ug/Kg	1	09/22/21	JLI	SW8260C
Trichloroethene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
Trichlorofluoromethane	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
Vinyl chloride	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	1	09/22/21	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	09/22/21	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	09/22/21	JLI	70 - 130 %
% Toluene-d8	97			%	1	09/22/21	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	80		ug/kg	1	09/22/21	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	1	09/22/21	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	09/22/21	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	09/22/21	JLI	70 - 130 %
% Toluene-d8	97			%	1	09/22/21	JLI	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	21		ug/Kg	1	09/22/21	JLI	SW8260C
Acrolein	ND	5.3		ug/Kg	1	09/22/21	JLI	SW8260C
Acrylonitrile	ND	21		ug/Kg	1	09/22/21	JLI	SW8260C
Tert-butyl alcohol	ND	110		ug/Kg	1	09/22/21	JLI	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Dichlorobenzene	ND	250	99	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Diphenylhydrazine	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
1,3-Dichlorobenzene	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
1,4-Dichlorobenzene	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	1	09/22/21	WB	SW8270D

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Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4,6-Trichlorophenol	ND		180	110	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dichlorophenol	ND		180	120	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dimethylphenol	ND		250	87	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dinitrophenol	ND		250	250	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dinitrotoluene	ND		180	140	ug/Kg	1	09/22/21	WB	SW8270D	
2,6-Dinitrotoluene	ND		180	110	ug/Kg	1	09/22/21	WB	SW8270D	
2-Chloronaphthalene	ND		250	100	ug/Kg	1	09/22/21	WB	SW8270D	
2-Chlorophenol	ND		250	100	ug/Kg	1	09/22/21	WB	SW8270D	
2-Methylnaphthalene	ND		250	100	ug/Kg	1	09/22/21	WB	SW8270D	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	1	09/22/21	WB	SW8270D	
2-Nitroaniline	ND		250	250	ug/Kg	1	09/22/21	WB	SW8270D	
2-Nitrophenol	ND		250	220	ug/Kg	1	09/22/21	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	1	09/22/21	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND		180	170	ug/Kg	1	09/22/21	WB	SW8270D	
3-Nitroaniline	ND		350	700	ug/Kg	1	09/22/21	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND		210	70	ug/Kg	1	09/22/21	WB	SW8270D	
4-Bromophenyl phenyl ether	ND		250	100	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chloro-3-methylphenol	ND		250	120	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chloroaniline	ND		280	160	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	1	09/22/21	WB	SW8270D	
4-Nitroaniline	ND		350	120	ug/Kg	1	09/22/21	WB	SW8270D	
4-Nitrophenol	ND		350	160	ug/Kg	1	09/22/21	WB	SW8270D	
Acenaphthene	ND		250	110	ug/Kg	1	09/22/21	WB	SW8270D	
Acenaphthylene	230	J	250	98	ug/Kg	1	09/22/21	WB	SW8270D	
Acetophenone	ND		250	110	ug/Kg	1	09/22/21	WB	SW8270D	
Aniline	ND		280	280	ug/Kg	1	09/22/21	WB	SW8270D	
Anthracene	170	J	250	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benz(a)anthracene	980		250	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzidine	ND		350	210	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(a)pyrene	1200		180	110	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(b)fluoranthene	1200		250	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(ghi)perylene	800		250	110	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(k)fluoranthene	1000		250	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzoic acid	ND		1800	700	ug/Kg	1	09/22/21	WB	SW8270D	
Benzyl butyl phthalate	ND		250	91	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND		250	97	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroethyl)ether	ND		180	95	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND		250	98	ug/Kg	1	09/22/21	WB	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	1	09/22/21	WB	SW8270D	
Carbazole	ND		180	140	ug/Kg	1	09/22/21	WB	SW8270D	
Chrysene	1100		250	120	ug/Kg	1	09/22/21	WB	SW8270D	
Dibenz(a,h)anthracene	180		180	110	ug/Kg	1	09/22/21	WB	SW8270D	
Dibenzofuran	ND		250	100	ug/Kg	1	09/22/21	WB	SW8270D	
Diethyl phthalate	ND		250	110	ug/Kg	1	09/22/21	WB	SW8270D	
Dimethylphthalate	ND		250	110	ug/Kg	1	09/22/21	WB	SW8270D	
Di-n-butylphthalate	ND		250	93	ug/Kg	1	09/22/21	WB	SW8270D	
Di-n-octylphthalate	ND		250	91	ug/Kg	1	09/22/21	WB	SW8270D	
Fluoranthene	1500		250	110	ug/Kg	1	09/22/21	WB	SW8270D	
Fluorene	ND		250	120	ug/Kg	1	09/22/21	WB	SW8270D	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	180	100	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	09/22/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	910	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Isophorone	ND	180	98	ug/Kg	1	09/22/21	WB	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
Nitrobenzene	ND	180	120	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodimethylamine	ND	250	99	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	180	110	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodiphenylamine	ND	250	130	ug/Kg	1	09/22/21	WB	SW8270D
Pentachloronitrobenzene	ND	250	130	ug/Kg	1	09/22/21	WB	SW8270D
Pentachlorophenol	ND	210	130	ug/Kg	1	09/22/21	WB	SW8270D
Phenanthrene	630	250	100	ug/Kg	1	09/22/21	WB	SW8270D
Phenol	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Pyrene	1400	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Pyridine	ND	250	86	ug/Kg	1	09/22/21	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	104			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorobiphenyl	80			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorophenol	74			%	1	09/22/21	WB	30 - 130 %
% Nitrobenzene-d5	85			%	1	09/22/21	WB	30 - 130 %
% Phenol-d5	79			%	1	09/22/21	WB	30 - 130 %
% Terphenyl-d14	81			%	1	09/22/21	WB	30 - 130 %
1,4-Dioxane								
1,4-dioxane	ND	72	72	ug/Kg	1	09/22/21	WB	SW8270D (SIM)
QA/QC Surrogates								
% 2-Fluorobiphenyl	66			%	1	09/22/21	WB	30 - 130 %
% Nitrobenzene-d5	76			%	1	09/22/21	WB	30 - 130 %
% Terphenyl-d14	78			%	1	09/22/21	WB	30 - 130 %

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B2 (0-2)

Phoenix I.D.: CJ33255

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.

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.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
September 28, 2021
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

September 28, 2021

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/20/21	8:30
Location Code:	BRUSSEE	Received by:	CP	09/21/21	15:23
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCJ33255
Phoenix ID: CJ33256

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B2 (3-5)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.40	0.40		mg/Kg	1	09/22/21	EK	SW6010D
Aluminum	10600	40		mg/Kg	10	09/22/21	EK	SW6010D
Arsenic	< 0.80	0.80		mg/Kg	1	09/22/21	EK	SW6010D
Barium	6.8	0.8		mg/Kg	1	09/22/21	EK	SW6010D
Beryllium	0.55	0.32		mg/Kg	1	09/22/21	EK	SW6010D
Calcium	227000	400		mg/Kg	100	09/23/21	TH	SW6010D
Cadmium	0.59	0.40		mg/Kg	1	09/22/21	EK	SW6010D
Cobalt	6.02	0.40		mg/Kg	1	09/22/21	EK	SW6010D
Chromium	14.5	0.40		mg/Kg	1	09/22/21	EK	SW6010D
Copper	13.2	0.8		mg/kg	1	09/22/21	EK	SW6010D
Iron	10600	4.0		mg/Kg	1	09/22/21	EK	SW6010D
Mercury	0.04	0.03		mg/Kg	1	09/22/21	AP	SW7471B
Potassium	2560	8		mg/Kg	1	09/22/21	EK	SW6010D
Magnesium	7750	40		mg/Kg	10	09/22/21	EK	SW6010D
Manganese	189	4.0		mg/Kg	10	09/22/21	EK	SW6010D
Sodium	1680	8		mg/Kg	1	09/22/21	EK	SW6010D
Nickel	11.7	0.40		mg/Kg	1	09/22/21	EK	SW6010D
Lead	3.3	0.8		mg/Kg	1	09/22/21	EK	SW6010D
Antimony	< 4.0	4.0		mg/Kg	1	09/22/21	EK	SW6010D
Selenium	< 1.6	1.6		mg/Kg	1	09/22/21	EK	SW6010D
Thallium	< 1.6	1.6		mg/Kg	1	09/22/21	EK	SW6010D
Vanadium	10.5	0.40		mg/Kg	1	09/22/21	EK	SW6010D
Zinc	229	0.8		mg/Kg	1	09/22/21	EK	SW6010D
Percent Solid	77			%		09/21/21	Q	SW846-%Solid
Soil Extraction for PCB	Completed					09/21/21	B/E	SW3545A
Soil Extraction for Pesticides	Completed					09/21/21	B/E	SW3545A
Field Extraction	Completed					09/20/21		SW5035A [1]

Ver 1

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B2 (3-5)

Phoenix I.D.: CJ33256

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					09/22/21	AB/AB	SW7471B
Soil Extraction for SVOA	Completed					09/21/21	R/K	SW3546
Total Metals Digest	Completed					09/21/21	M/AG	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	84	84	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1221	ND	84	84	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1232	ND	84	84	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1242	ND	84	84	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1248	ND	84	84	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1254	ND	84	84	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1260	ND	84	84	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1262	ND	84	84	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1268	ND	84	84	ug/Kg	2	09/22/21	SC	SW8082A
QA/QC Surrogates								
% DCBP	59			%	2	09/22/21	SC	30 - 150 %
% DCBP (Confirmation)	51			%	2	09/22/21	SC	30 - 150 %
% TCMX	63			%	2	09/22/21	SC	30 - 150 %
% TCMX (Confirmation)	70			%	2	09/22/21	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.5		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDE	ND	2.5		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDT	ND	2.5		ug/Kg	2	09/22/21	AW	SW8081B
a-BHC	ND	8.4		ug/Kg	2	09/22/21	AW	SW8081B
a-Chlordane	ND	4.2		ug/Kg	2	09/22/21	AW	SW8081B
Aldrin	ND	4.2		ug/Kg	2	09/22/21	AW	SW8081B
b-BHC	ND	8.4		ug/Kg	2	09/22/21	AW	SW8081B
Chlordane	ND	42		ug/Kg	2	09/22/21	AW	SW8081B
d-BHC	ND	8.4		ug/Kg	2	09/22/21	AW	SW8081B
Dieldrin	ND	4.2		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan I	ND	8.4		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan II	ND	8.4		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan sulfate	ND	8.4		ug/Kg	2	09/22/21	AW	SW8081B
Endrin	ND	8.4		ug/Kg	2	09/22/21	AW	SW8081B
Endrin aldehyde	ND	8.4		ug/Kg	2	09/22/21	AW	SW8081B
Endrin ketone	ND	8.4		ug/Kg	2	09/22/21	AW	SW8081B
g-BHC	ND	1.7		ug/Kg	2	09/22/21	AW	SW8081B
g-Chlordane	ND	4.2		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor	ND	8.4		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor epoxide	ND	8.4		ug/Kg	2	09/22/21	AW	SW8081B
Methoxychlor	ND	42		ug/Kg	2	09/22/21	AW	SW8081B
Toxaphene	ND	170		ug/Kg	2	09/22/21	AW	SW8081B
QA/QC Surrogates								
% DCBP	66			%	2	09/22/21	AW	30 - 150 %
% DCBP (Confirmation)	64			%	2	09/22/21	AW	30 - 150 %
% TCMX	64			%	2	09/22/21	AW	30 - 150 %
% TCMX (Confirmation)	61			%	2	09/22/21	AW	30 - 150 %

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B2 (3-5)

Phoenix I.D.: CJ33256

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C	
1,1,1-Trichloroethane	ND		8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND		8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C	
1,1,2-Trichloroethane	ND		8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C	
1,1-Dichloroethane	ND		8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C	
1,1-Dichloroethene	ND		8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C	
1,1-Dichloropropene	ND		8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2,3-Trichloropropane	ND		8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND		8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2-Dibromoethane	ND		8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2-Dichlorobenzene	ND		8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2-Dichloroethane	ND		8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2-Dichloropropane	ND		8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND		8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C	
1,3-Dichlorobenzene	ND		8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C	
1,3-Dichloropropane	ND		8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C	
1,4-Dichlorobenzene	ND		8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C	
2,2-Dichloropropane	ND		8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C	
2-Chlorotoluene	ND		8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C	
2-Hexanone	ND		41	8.2	ug/Kg	1	09/22/21	JLI	SW8260C	
2-Isopropyltoluene	ND		8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C	1
4-Chlorotoluene	ND		8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C	
4-Methyl-2-pentanone	ND		41	8.2	ug/Kg	1	09/22/21	JLI	SW8260C	
Acetone	10	JS	41	8.2	ug/Kg	1	09/22/21	JLI	SW8260C	
Acrylonitrile	ND		16	1.6	ug/Kg	1	09/22/21	JLI	SW8260C	
Benzene	ND		8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C	
Bromobenzene	ND		8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C	
Bromochloromethane	ND		8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C	
Bromodichloromethane	ND		8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C	
Bromoform	ND		8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C	
Bromomethane	ND		8.2	3.3	ug/Kg	1	09/22/21	JLI	SW8260C	
Carbon Disulfide	ND		8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C	
Carbon tetrachloride	ND		8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C	
Chlorobenzene	ND		8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C	
Chloroethane	ND		8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C	
Chloroform	ND		8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C	
Chloromethane	ND		8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C	
Dibromochloromethane	ND		8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C	
Dibromomethane	ND		8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C	
Dichlorodifluoromethane	ND		8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C	
Ethylbenzene	ND		8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C	
Hexachlorobutadiene	ND		8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C	
Isopropylbenzene	ND		8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C	

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B2 (3-5)

Phoenix I.D.: CJ33256

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C
Methyl Ethyl Ketone	ND	49	8.2	ug/Kg	1	09/22/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	16	1.6	ug/Kg	1	09/22/21	JLI	SW8260C
Methylene chloride	ND	8.2	8.2	ug/Kg	1	09/22/21	JLI	SW8260C
Naphthalene	ND	8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C
n-Butylbenzene	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
n-Propylbenzene	ND	8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C
o-Xylene	ND	8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C
p-Isopropyltoluene	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
sec-Butylbenzene	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
Styrene	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
tert-Butylbenzene	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
Tetrachloroethene	ND	8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND	16	4.1	ug/Kg	1	09/22/21	JLI	SW8260C
Toluene	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	16	4.1	ug/Kg	1	09/22/21	JLI	SW8260C
Trichloroethene	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
Trichlorofluoromethane	ND	8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C
Trichlorotrifluoroethane	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
Vinyl chloride	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	09/22/21	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	09/22/21	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	09/22/21	JLI	70 - 130 %
% Toluene-d8	97			%	1	09/22/21	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100		ug/kg	1	09/22/21	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	09/22/21	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	09/22/21	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	09/22/21	JLI	70 - 130 %
% Toluene-d8	97			%	1	09/22/21	JLI	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	33		ug/Kg	1	09/22/21	JLI	SW8260C
Acrolein	ND	8.2		ug/Kg	1	09/22/21	JLI	SW8260C
Acrylonitrile	ND	33		ug/Kg	1	09/22/21	JLI	SW8260C
Tert-butyl alcohol	ND	160		ug/Kg	1	09/22/21	JLI	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	300	150	ug/Kg	1	09/22/21	WB	SW8270D
1,2,4-Trichlorobenzene	ND	300	130	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Dichlorobenzene	ND	300	120	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Diphenylhydrazine	ND	300	140	ug/Kg	1	09/22/21	WB	SW8270D
1,3-Dichlorobenzene	ND	300	130	ug/Kg	1	09/22/21	WB	SW8270D
1,4-Dichlorobenzene	ND	300	130	ug/Kg	1	09/22/21	WB	SW8270D
2,4,5-Trichlorophenol	ND	300	230	ug/Kg	1	09/22/21	WB	SW8270D

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B2 (3-5)

Phoenix I.D.: CJ33256

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4,6-Trichlorophenol	ND	210	140	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dichlorophenol	ND	210	150	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dimethylphenol	ND	300	110	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dinitrophenol	ND	300	300	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dinitrotoluene	ND	210	170	ug/Kg	1	09/22/21	WB	SW8270D	
2,6-Dinitrotoluene	ND	210	130	ug/Kg	1	09/22/21	WB	SW8270D	
2-Chloronaphthalene	ND	300	120	ug/Kg	1	09/22/21	WB	SW8270D	
2-Chlorophenol	ND	300	120	ug/Kg	1	09/22/21	WB	SW8270D	
2-Methylnaphthalene	ND	300	130	ug/Kg	1	09/22/21	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	300	200	ug/Kg	1	09/22/21	WB	SW8270D	
2-Nitroaniline	ND	300	300	ug/Kg	1	09/22/21	WB	SW8270D	
2-Nitrophenol	ND	300	270	ug/Kg	1	09/22/21	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	300	170	ug/Kg	1	09/22/21	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	210	200	ug/Kg	1	09/22/21	WB	SW8270D	
3-Nitroaniline	ND	420	850	ug/Kg	1	09/22/21	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	250	85	ug/Kg	1	09/22/21	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	300	120	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chloro-3-methylphenol	ND	300	150	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chloroaniline	ND	340	200	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	300	140	ug/Kg	1	09/22/21	WB	SW8270D	
4-Nitroaniline	ND	420	140	ug/Kg	1	09/22/21	WB	SW8270D	
4-Nitrophenol	ND	420	190	ug/Kg	1	09/22/21	WB	SW8270D	
Acenaphthene	ND	300	130	ug/Kg	1	09/22/21	WB	SW8270D	
Acenaphthylene	ND	300	120	ug/Kg	1	09/22/21	WB	SW8270D	
Acetophenone	ND	300	130	ug/Kg	1	09/22/21	WB	SW8270D	
Aniline	ND	340	340	ug/Kg	1	09/22/21	WB	SW8270D	
Anthracene	ND	300	140	ug/Kg	1	09/22/21	WB	SW8270D	
Benz(a)anthracene	ND	300	140	ug/Kg	1	09/22/21	WB	SW8270D	
Benzidine	ND	420	250	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(a)pyrene	ND	210	140	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(b)fluoranthene	ND	300	150	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(ghi)perylene	ND	300	140	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(k)fluoranthene	ND	300	140	ug/Kg	1	09/22/21	WB	SW8270D	
Benzoic acid	ND	2100	850	ug/Kg	1	09/22/21	WB	SW8270D	
Benzyl butyl phthalate	ND	300	110	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	300	120	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	210	110	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	300	120	ug/Kg	1	09/22/21	WB	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND	300	120	ug/Kg	1	09/22/21	WB	SW8270D	
Carbazole	ND	210	170	ug/Kg	1	09/22/21	WB	SW8270D	
Chrysene	ND	300	140	ug/Kg	1	09/22/21	WB	SW8270D	
Dibenz(a,h)anthracene	ND	210	140	ug/Kg	1	09/22/21	WB	SW8270D	
Dibenzofuran	ND	300	120	ug/Kg	1	09/22/21	WB	SW8270D	
Diethyl phthalate	ND	300	130	ug/Kg	1	09/22/21	WB	SW8270D	
Dimethylphthalate	ND	300	130	ug/Kg	1	09/22/21	WB	SW8270D	
Di-n-butylphthalate	ND	300	110	ug/Kg	1	09/22/21	WB	SW8270D	
Di-n-octylphthalate	ND	300	110	ug/Kg	1	09/22/21	WB	SW8270D	
Fluoranthene	ND	300	140	ug/Kg	1	09/22/21	WB	SW8270D	
Fluorene	ND	300	140	ug/Kg	1	09/22/21	WB	SW8270D	

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B2 (3-5)

Phoenix I.D.: CJ33256

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	210	120	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorobutadiene	ND	300	150	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorocyclopentadiene	ND	300	130	ug/Kg	1	09/22/21	WB	SW8270D
Hexachloroethane	ND	210	130	ug/Kg	1	09/22/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	300	140	ug/Kg	1	09/22/21	WB	SW8270D
Isophorone	ND	210	120	ug/Kg	1	09/22/21	WB	SW8270D
Naphthalene	ND	300	120	ug/Kg	1	09/22/21	WB	SW8270D
Nitrobenzene	ND	210	150	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodimethylamine	ND	300	120	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	210	140	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodiphenylamine	ND	300	160	ug/Kg	1	09/22/21	WB	SW8270D
Pentachloronitrobenzene	ND	300	160	ug/Kg	1	09/22/21	WB	SW8270D
Pentachlorophenol	ND	250	160	ug/Kg	1	09/22/21	WB	SW8270D
Phenanthrene	ND	300	120	ug/Kg	1	09/22/21	WB	SW8270D
Phenol	ND	300	140	ug/Kg	1	09/22/21	WB	SW8270D
Pyrene	ND	300	150	ug/Kg	1	09/22/21	WB	SW8270D
Pyridine	ND	300	100	ug/Kg	1	09/22/21	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	95			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorobiphenyl	80			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorophenol	74			%	1	09/22/21	WB	30 - 130 %
% Nitrobenzene-d5	82			%	1	09/22/21	WB	30 - 130 %
% Phenol-d5	80			%	1	09/22/21	WB	30 - 130 %
% Terphenyl-d14	82			%	1	09/22/21	WB	30 - 130 %

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.

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:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered 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 you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
September 28, 2021
Reviewed and Released by: Ethan Lee, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 28, 2021

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/20/21	8:40
Location Code:	BRUSSEE	Received by:	CP	09/21/21	15:23
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCJ33255
Phoenix ID: CJ33257

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B1 (0-2)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.37	0.37		mg/Kg	1	09/22/21	EK	SW6010D
Aluminum	8870	37		mg/Kg	10	09/22/21	EK	SW6010D
Arsenic	3.20	0.75		mg/Kg	1	09/22/21	EK	SW6010D
Barium	56.7	0.7		mg/Kg	1	09/22/21	EK	SW6010D
Beryllium	< 0.30	0.30		mg/Kg	1	09/22/21	EK	SW6010D
Calcium	13900	37		mg/Kg	10	09/22/21	EK	SW6010D
Cadmium	0.90	0.37		mg/Kg	1	09/22/21	EK	SW6010D
Cobalt	11.2	0.37		mg/Kg	1	09/22/21	EK	SW6010D
Chromium	21.5	0.37		mg/Kg	1	09/22/21	EK	SW6010D
Copper	27.6	0.7		mg/kg	1	09/22/21	EK	SW6010D
Iron	17800	37		mg/Kg	10	09/22/21	EK	SW6010D
Mercury	0.21	0.03		mg/Kg	1	09/22/21	AP	SW7471B
Potassium	1800	7		mg/Kg	1	09/22/21	EK	SW6010D
Magnesium	6110	37		mg/Kg	10	09/22/21	EK	SW6010D
Manganese	268	3.7		mg/Kg	10	09/22/21	EK	SW6010D
Sodium	164	7		mg/Kg	1	09/22/21	EK	SW6010D
Nickel	19.2	0.37		mg/Kg	1	09/22/21	EK	SW6010D
Lead	75.9	0.7		mg/Kg	1	09/22/21	EK	SW6010D
Antimony	< 3.7	3.7		mg/Kg	1	09/22/21	EK	SW6010D
Selenium	< 1.5	1.5		mg/Kg	1	09/22/21	EK	SW6010D
Thallium	< 1.5	1.5		mg/Kg	1	09/22/21	EK	SW6010D
Vanadium	28.4	0.37		mg/Kg	1	09/22/21	EK	SW6010D
Zinc	85.0	0.7		mg/Kg	1	09/22/21	EK	SW6010D
Percent Solid	86			%		09/21/21	Q	SW846-%Solid
Soil Extraction for PCB	Completed					09/21/21	B/E	SW3545A
Soil Extraction for Pesticides	Completed					09/21/21	B/E	SW3545A
Field Extraction	Completed					09/20/21		SW5035A

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Ver 1

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B1 (0-2)

Phoenix I.D.: CJ33257

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					09/22/21	AB/AB	SW7471B
Soil Extraction for SVOA	Completed					09/21/21	R/K	SW3546
Total Metals Digest	Completed					09/21/21	M/AG	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	76	76	ug/Kg	2	09/23/21	SC	SW8082A
PCB-1221	ND	76	76	ug/Kg	2	09/23/21	SC	SW8082A
PCB-1232	ND	76	76	ug/Kg	2	09/23/21	SC	SW8082A
PCB-1242	ND	76	76	ug/Kg	2	09/23/21	SC	SW8082A
PCB-1248	ND	76	76	ug/Kg	2	09/23/21	SC	SW8082A
PCB-1254	ND	76	76	ug/Kg	2	09/23/21	SC	SW8082A
PCB-1260	ND	76	76	ug/Kg	2	09/23/21	SC	SW8082A
PCB-1262	ND	76	76	ug/Kg	2	09/23/21	SC	SW8082A
PCB-1268	ND	76	76	ug/Kg	2	09/23/21	SC	SW8082A
QA/QC Surrogates								
% DCBP	50			%	2	09/23/21	SC	30 - 150 %
% DCBP (Confirmation)	49			%	2	09/23/21	SC	30 - 150 %
% TCMX	66			%	2	09/23/21	SC	30 - 150 %
% TCMX (Confirmation)	69			%	2	09/23/21	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.3		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDE	ND	2.3		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDT	ND	2.3		ug/Kg	2	09/22/21	AW	SW8081B
a-BHC	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
a-Chlordane	ND	3.8		ug/Kg	2	09/22/21	AW	SW8081B
Aldrin	ND	3.8		ug/Kg	2	09/22/21	AW	SW8081B
b-BHC	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Chlordane	ND	38		ug/Kg	2	09/22/21	AW	SW8081B
d-BHC	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Dieldrin	ND	3.8		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan I	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan II	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan sulfate	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Endrin	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Endrin aldehyde	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Endrin ketone	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
g-BHC	ND	1.5		ug/Kg	2	09/22/21	AW	SW8081B
g-Chlordane	ND	3.8		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor epoxide	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Methoxychlor	ND	38		ug/Kg	2	09/22/21	AW	SW8081B
Toxaphene	ND	150		ug/Kg	2	09/22/21	AW	SW8081B
QA/QC Surrogates								
% DCBP	57			%	2	09/22/21	AW	30 - 150 %
% DCBP (Confirmation)	72			%	2	09/22/21	AW	30 - 150 %
% TCMX	61			%	2	09/22/21	AW	30 - 150 %
% TCMX (Confirmation)	63			%	2	09/22/21	AW	30 - 150 %

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B1 (0-2)

Phoenix I.D.: CJ33257

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C	
1,1,1-Trichloroethane	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C	
1,1,2-Trichloroethane	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C	
1,1-Dichloroethane	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C	
1,1-Dichloroethene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C	
1,1-Dichloropropene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2,3-Trichloropropane	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2-Dibromoethane	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2-Dichlorobenzene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2-Dichloroethane	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2-Dichloropropane	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C	
1,3-Dichlorobenzene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C	
1,3-Dichloropropane	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C	
1,4-Dichlorobenzene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C	
2,2-Dichloropropane	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C	
2-Chlorotoluene	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C	
2-Hexanone	ND	34	6.8	ug/Kg	1	09/22/21	JLI	SW8260C	
2-Isopropyltoluene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C	1
4-Chlorotoluene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C	
4-Methyl-2-pentanone	ND	34	6.8	ug/Kg	1	09/22/21	JLI	SW8260C	
Acetone	ND	34	6.8	ug/Kg	1	09/22/21	JLI	SW8260C	
Acrylonitrile	ND	14	1.4	ug/Kg	1	09/22/21	JLI	SW8260C	
Benzene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C	
Bromobenzene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C	
Bromochloromethane	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C	
Bromodichloromethane	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C	
Bromoform	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C	
Bromomethane	ND	6.8	2.7	ug/Kg	1	09/22/21	JLI	SW8260C	
Carbon Disulfide	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C	
Carbon tetrachloride	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C	
Chlorobenzene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C	
Chloroethane	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C	
Chloroform	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C	
Chloromethane	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C	
Dibromochloromethane	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C	
Dibromomethane	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C	
Dichlorodifluoromethane	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C	
Ethylbenzene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C	
Hexachlorobutadiene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C	
Isopropylbenzene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C	

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B1 (0-2)

Phoenix I.D.: CJ33257

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
Methyl Ethyl Ketone	ND	41	6.8	ug/Kg	1	09/22/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	14	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
Methylene chloride	ND	6.8	6.8	ug/Kg	1	09/22/21	JLI	SW8260C
Naphthalene	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
n-Butylbenzene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
n-Propylbenzene	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
o-Xylene	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
p-Isopropyltoluene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
sec-Butylbenzene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
Styrene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
tert-Butylbenzene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
Tetrachloroethene	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND	14	3.4	ug/Kg	1	09/22/21	JLI	SW8260C
Toluene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	14	3.4	ug/Kg	1	09/22/21	JLI	SW8260C
Trichloroethene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
Trichlorofluoromethane	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
Trichlorotrifluoroethane	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
Vinyl chloride	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	1	09/22/21	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	09/22/21	JLI	70 - 130 %
% Dibromofluoromethane	94			%	1	09/22/21	JLI	70 - 130 %
% Toluene-d8	97			%	1	09/22/21	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100		ug/kg	1	09/22/21	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	1	09/22/21	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	09/22/21	JLI	70 - 130 %
% Dibromofluoromethane	94			%	1	09/22/21	JLI	70 - 130 %
% Toluene-d8	97			%	1	09/22/21	JLI	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	27		ug/Kg	1	09/22/21	JLI	SW8260C
Acrolein	ND	6.8		ug/Kg	1	09/22/21	JLI	SW8260C
Acrylonitrile	ND	27		ug/Kg	1	09/22/21	JLI	SW8260C
Tert-butyl alcohol	ND	140		ug/Kg	1	09/22/21	JLI	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	09/22/21	WB	SW8270D
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Dichlorobenzene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D
1,3-Dichlorobenzene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
1,4-Dichlorobenzene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
2,4,5-Trichlorophenol	ND	260	210	ug/Kg	1	09/22/21	WB	SW8270D

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B1 (0-2)

Phoenix I.D.: CJ33257

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4,6-Trichlorophenol	ND		190	120	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dichlorophenol	ND		190	130	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dimethylphenol	ND		260	93	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dinitrophenol	ND		260	260	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dinitrotoluene	ND		190	150	ug/Kg	1	09/22/21	WB	SW8270D	
2,6-Dinitrotoluene	ND		190	120	ug/Kg	1	09/22/21	WB	SW8270D	
2-Chloronaphthalene	ND		260	110	ug/Kg	1	09/22/21	WB	SW8270D	
2-Chlorophenol	ND		260	110	ug/Kg	1	09/22/21	WB	SW8270D	
2-Methylnaphthalene	ND		260	110	ug/Kg	1	09/22/21	WB	SW8270D	
2-Methylphenol (o-cresol)	ND		260	180	ug/Kg	1	09/22/21	WB	SW8270D	
2-Nitroaniline	ND		260	260	ug/Kg	1	09/22/21	WB	SW8270D	
2-Nitrophenol	ND		260	240	ug/Kg	1	09/22/21	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		260	150	ug/Kg	1	09/22/21	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND		190	180	ug/Kg	1	09/22/21	WB	SW8270D	
3-Nitroaniline	ND		380	750	ug/Kg	1	09/22/21	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND		230	75	ug/Kg	1	09/22/21	WB	SW8270D	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chloroaniline	ND		300	170	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND		260	130	ug/Kg	1	09/22/21	WB	SW8270D	
4-Nitroaniline	ND		380	130	ug/Kg	1	09/22/21	WB	SW8270D	
4-Nitrophenol	ND		380	170	ug/Kg	1	09/22/21	WB	SW8270D	
Acenaphthene	ND		260	110	ug/Kg	1	09/22/21	WB	SW8270D	
Acenaphthylene	ND		260	110	ug/Kg	1	09/22/21	WB	SW8270D	
Acetophenone	ND		260	120	ug/Kg	1	09/22/21	WB	SW8270D	
Aniline	ND		300	300	ug/Kg	1	09/22/21	WB	SW8270D	
Anthracene	ND		260	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benz(a)anthracene	ND		260	130	ug/Kg	1	09/22/21	WB	SW8270D	
Benzidine	ND		380	220	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(a)pyrene	ND		190	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(b)fluoranthene	ND		260	130	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(ghi)perylene	ND		260	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(k)fluoranthene	ND		260	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzoic acid	ND		1900	750	ug/Kg	1	09/22/21	WB	SW8270D	
Benzyl butyl phthalate	ND		260	97	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroethyl)ether	ND		190	100	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	1	09/22/21	WB	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND		260	110	ug/Kg	1	09/22/21	WB	SW8270D	
Carbazole	ND		190	150	ug/Kg	1	09/22/21	WB	SW8270D	
Chrysene	ND		260	130	ug/Kg	1	09/22/21	WB	SW8270D	
Dibenz(a,h)anthracene	ND		190	120	ug/Kg	1	09/22/21	WB	SW8270D	
Dibenzofuran	ND		260	110	ug/Kg	1	09/22/21	WB	SW8270D	
Diethyl phthalate	ND		260	120	ug/Kg	1	09/22/21	WB	SW8270D	
Dimethylphthalate	ND		260	120	ug/Kg	1	09/22/21	WB	SW8270D	
Di-n-butylphthalate	ND		260	100	ug/Kg	1	09/22/21	WB	SW8270D	
Di-n-octylphthalate	ND		260	97	ug/Kg	1	09/22/21	WB	SW8270D	
Fluoranthene	170	J	260	120	ug/Kg	1	09/22/21	WB	SW8270D	
Fluorene	ND		260	120	ug/Kg	1	09/22/21	WB	SW8270D	

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B1 (0-2)

Phoenix I.D.: CJ33257

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND		190	110	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorobutadiene	ND		260	140	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorocyclopentadiene	ND		260	110	ug/Kg	1	09/22/21	WB	SW8270D
Hexachloroethane	ND		190	110	ug/Kg	1	09/22/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND		260	120	ug/Kg	1	09/22/21	WB	SW8270D
Isophorone	ND		190	110	ug/Kg	1	09/22/21	WB	SW8270D
Naphthalene	ND		260	110	ug/Kg	1	09/22/21	WB	SW8270D
Nitrobenzene	ND		190	130	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodimethylamine	ND		260	110	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodi-n-propylamine	ND		190	120	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodiphenylamine	ND		260	140	ug/Kg	1	09/22/21	WB	SW8270D
Pentachloronitrobenzene	ND		260	140	ug/Kg	1	09/22/21	WB	SW8270D
Pentachlorophenol	ND		230	140	ug/Kg	1	09/22/21	WB	SW8270D
Phenanthrene	120	J	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Phenol	ND		260	120	ug/Kg	1	09/22/21	WB	SW8270D
Pyrene	160	J	260	130	ug/Kg	1	09/22/21	WB	SW8270D
Pyridine	ND		260	92	ug/Kg	1	09/22/21	WB	SW8270D
QA/QC Surrogates									
% 2,4,6-Tribromophenol	106				%	1	09/22/21	WB	30 - 130 %
% 2-Fluorobiphenyl	81				%	1	09/22/21	WB	30 - 130 %
% 2-Fluorophenol	73				%	1	09/22/21	WB	30 - 130 %
% Nitrobenzene-d5	83				%	1	09/22/21	WB	30 - 130 %
% Phenol-d5	79				%	1	09/22/21	WB	30 - 130 %
% Terphenyl-d14	84				%	1	09/22/21	WB	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.

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

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

September 28, 2021

Reviewed and Released by: Ethan Lee, Project Manager

Ver 1

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 28, 2021

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/20/21	8:50
Location Code:	BRUSSEE	Received by:	CP	09/21/21	15:23
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCJ33255
Phoenix ID: CJ33258

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B1 (3-5)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.35	0.35		mg/Kg	1	09/22/21	EK	SW6010D
Aluminum	8190	35		mg/Kg	10	09/22/21	EK	SW6010D
Arsenic	5.36	0.70		mg/Kg	1	09/22/21	EK	SW6010D
Barium	461	0.7		mg/Kg	1	09/22/21	EK	SW6010D
Beryllium	< 0.28	0.28		mg/Kg	1	09/22/21	EK	SW6010D
Calcium	45500	35		mg/Kg	10	09/22/21	EK	SW6010D
Cadmium	2.14	0.35		mg/Kg	1	09/22/21	EK	SW6010D
Cobalt	7.39	0.35		mg/Kg	1	09/22/21	EK	SW6010D
Chromium	21.8	0.35		mg/Kg	1	09/22/21	EK	SW6010D
Copper	35.2	0.7		mg/kg	1	09/22/21	EK	SW6010D
Iron	14600	35		mg/Kg	10	09/22/21	EK	SW6010D
Mercury	1.09	0.03		mg/Kg	2	09/22/21	AP	SW7471B
Potassium	1950	7		mg/Kg	1	09/22/21	EK	SW6010D
Magnesium	15500	35		mg/Kg	10	09/22/21	EK	SW6010D
Manganese	251	3.5		mg/Kg	10	09/22/21	EK	SW6010D
Sodium	271	7		mg/Kg	1	09/22/21	EK	SW6010D
Nickel	14.4	0.35		mg/Kg	1	09/22/21	EK	SW6010D
Lead	14400	70		mg/Kg	100	09/23/21	TH	SW6010D
Antimony	< 3.5	3.5		mg/Kg	1	09/22/21	EK	SW6010D
Selenium	< 1.4	1.4		mg/Kg	1	09/22/21	EK	SW6010D
Thallium	< 1.4	1.4		mg/Kg	1	09/22/21	EK	SW6010D
Vanadium	48.8	0.35		mg/Kg	1	09/22/21	EK	SW6010D
Zinc	452	7.0		mg/Kg	10	09/22/21	EK	SW6010D
Percent Solid	86			%		09/21/21	Q	SW846-%Solid
Soil Extraction for PCB	Completed					09/21/21	B/E	SW3545A
Soil Extraction for Pesticides	Completed					09/21/21	B/E	SW3545A
Field Extraction	Completed					09/20/21		SW5035A

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Ver 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					09/22/21	AB/AB	SW7471B
Soil Extraction for SVOA	Completed					09/21/21	R/K	SW3546
Total Metals Digest	Completed					09/21/21	M/AG	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	76	76	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1221	ND	76	76	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1232	ND	76	76	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1242	ND	76	76	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1248	ND	76	76	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1254	ND	76	76	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1260	ND	76	76	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1262	ND	76	76	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1268	ND	76	76	ug/Kg	2	09/22/21	SC	SW8082A
QA/QC Surrogates								
% DCBP	78			%	2	09/22/21	SC	30 - 150 %
% DCBP (Confirmation)	63			%	2	09/22/21	SC	30 - 150 %
% TCMX	67			%	2	09/22/21	SC	30 - 150 %
% TCMX (Confirmation)	47			%	2	09/22/21	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.3		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDE	ND	2.3		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDT	ND	2.3		ug/Kg	2	09/22/21	AW	SW8081B
a-BHC	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
a-Chlordane	ND	3.8		ug/Kg	2	09/22/21	AW	SW8081B
Aldrin	ND	5.0		ug/Kg	2	09/22/21	AW	SW8081B
b-BHC	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Chlordane	ND	38		ug/Kg	2	09/22/21	AW	SW8081B
d-BHC	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Dieldrin	ND	3.8		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan I	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan II	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan sulfate	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Endrin	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Endrin aldehyde	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Endrin ketone	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
g-BHC	ND	5.0		ug/Kg	2	09/22/21	AW	SW8081B
g-Chlordane	ND	3.8		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor epoxide	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Methoxychlor	ND	38		ug/Kg	2	09/22/21	AW	SW8081B
Toxaphene	ND	150		ug/Kg	2	09/22/21	AW	SW8081B
QA/QC Surrogates								
% DCBP	59			%	2	09/22/21	AW	30 - 150 %
% DCBP (Confirmation)	67			%	2	09/22/21	AW	30 - 150 %
% TCMX	51			%	2	09/22/21	AW	30 - 150 %
% TCMX (Confirmation)	60			%	2	09/22/21	AW	30 - 150 %

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B1 (3-5)

Phoenix I.D.: CJ33258

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C	
1,1-Dichloroethane	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C	
1,1-Dichloroethene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C	
1,1-Dichloropropene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2-Dibromoethane	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2-Dichloroethane	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2-Dichloropropane	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C	
1,3-Dichloropropane	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C	
2,2-Dichloropropane	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C	
2-Chlorotoluene	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C	
2-Hexanone	ND	29	5.8	ug/Kg	1	09/22/21	JLI	SW8260C	
2-Isopropyltoluene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C	1
4-Chlorotoluene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C	
4-Methyl-2-pentanone	ND	29	5.8	ug/Kg	1	09/22/21	JLI	SW8260C	
Acetone	ND	29	5.8	ug/Kg	1	09/22/21	JLI	SW8260C	
Acrylonitrile	ND	12	1.2	ug/Kg	1	09/22/21	JLI	SW8260C	
Benzene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C	
Bromobenzene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C	
Bromochloromethane	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C	
Bromodichloromethane	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C	
Bromoform	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C	
Bromomethane	ND	5.8	2.3	ug/Kg	1	09/22/21	JLI	SW8260C	
Carbon Disulfide	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C	
Carbon tetrachloride	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C	
Chlorobenzene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C	
Chloroethane	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C	
Chloroform	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C	
Chloromethane	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C	
Dibromochloromethane	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C	
Dibromomethane	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C	
Dichlorodifluoromethane	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C	
Ethylbenzene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C	
Hexachlorobutadiene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C	
Isopropylbenzene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C	

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B1 (3-5)

Phoenix I.D.: CJ33258

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C
Methyl Ethyl Ketone	ND	35	5.8	ug/Kg	1	09/22/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	1.2	ug/Kg	1	09/22/21	JLI	SW8260C
Methylene chloride	ND	5.8	5.8	ug/Kg	1	09/22/21	JLI	SW8260C
Naphthalene	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C
n-Butylbenzene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
n-Propylbenzene	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C
o-Xylene	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C
p-Isopropyltoluene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
sec-Butylbenzene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
Styrene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
tert-Butylbenzene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
Tetrachloroethene	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND	12	2.9	ug/Kg	1	09/22/21	JLI	SW8260C
Toluene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	12	2.9	ug/Kg	1	09/22/21	JLI	SW8260C
Trichloroethene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
Trichlorofluoromethane	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
Vinyl chloride	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	1	09/22/21	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	09/22/21	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	09/22/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/22/21	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	87		ug/kg	1	09/22/21	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	1	09/22/21	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	09/22/21	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	09/22/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/22/21	JLI	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	23		ug/Kg	1	09/22/21	JLI	SW8260C
Acrolein	ND	5.8		ug/Kg	1	09/22/21	JLI	SW8260C
Acrylonitrile	ND	23		ug/Kg	1	09/22/21	JLI	SW8260C
Tert-butyl alcohol	ND	120		ug/Kg	1	09/22/21	JLI	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	09/22/21	WB	SW8270D
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Dichlorobenzene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D
1,3-Dichlorobenzene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
1,4-Dichlorobenzene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
2,4,5-Trichlorophenol	ND	260	210	ug/Kg	1	09/22/21	WB	SW8270D

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Phoenix I.D.: CJ33258

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4,6-Trichlorophenol	ND	190	120	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dichlorophenol	ND	190	130	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dimethylphenol	ND	260	93	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dinitrotoluene	ND	190	150	ug/Kg	1	09/22/21	WB	SW8270D	
2,6-Dinitrotoluene	ND	190	120	ug/Kg	1	09/22/21	WB	SW8270D	
2-Chloronaphthalene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D	
2-Chlorophenol	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D	
2-Methylnaphthalene	290	260	110	ug/Kg	1	09/22/21	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	260	180	ug/Kg	1	09/22/21	WB	SW8270D	
2-Nitroaniline	ND	260	260	ug/Kg	1	09/22/21	WB	SW8270D	
2-Nitrophenol	ND	260	240	ug/Kg	1	09/22/21	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	1	09/22/21	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	190	180	ug/Kg	1	09/22/21	WB	SW8270D	
3-Nitroaniline	ND	380	750	ug/Kg	1	09/22/21	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	230	75	ug/Kg	1	09/22/21	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chloroaniline	ND	300	170	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	260	130	ug/Kg	1	09/22/21	WB	SW8270D	
4-Nitroaniline	ND	380	130	ug/Kg	1	09/22/21	WB	SW8270D	
4-Nitrophenol	ND	380	170	ug/Kg	1	09/22/21	WB	SW8270D	
Acenaphthene	750	260	110	ug/Kg	1	09/22/21	WB	SW8270D	
Acenaphthylene	320	260	110	ug/Kg	1	09/22/21	WB	SW8270D	
Acetophenone	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D	
Aniline	ND	300	300	ug/Kg	1	09/22/21	WB	SW8270D	
Anthracene	1400	260	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benz(a)anthracene	3000	260	130	ug/Kg	1	09/22/21	WB	SW8270D	
Benzidine	ND	380	220	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(a)pyrene	2900	190	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(b)fluoranthene	2400	260	130	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(ghi)perylene	1600	260	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(k)fluoranthene	2300	260	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzoic acid	ND	1900	750	ug/Kg	1	09/22/21	WB	SW8270D	
Benzyl butyl phthalate	ND	260	97	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	190	100	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D	
Carbazole	480	190	150	ug/Kg	1	09/22/21	WB	SW8270D	
Chrysene	3000	260	130	ug/Kg	1	09/22/21	WB	SW8270D	
Dibenz(a,h)anthracene	380	190	120	ug/Kg	1	09/22/21	WB	SW8270D	
Dibenzofuran	440	260	110	ug/Kg	1	09/22/21	WB	SW8270D	
Diethyl phthalate	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D	
Dimethylphthalate	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D	
Di-n-butylphthalate	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D	
Di-n-octylphthalate	ND	260	97	ug/Kg	1	09/22/21	WB	SW8270D	
Fluoranthene	7200	260	120	ug/Kg	1	09/22/21	WB	SW8270D	
Fluorene	680	260	120	ug/Kg	1	09/22/21	WB	SW8270D	

Project ID: 188 E 135TH ST BRONX NY
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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	190	110	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorobutadiene	ND	260	140	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Hexachloroethane	ND	190	110	ug/Kg	1	09/22/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	1700	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Isophorone	ND	190	110	ug/Kg	1	09/22/21	WB	SW8270D
Naphthalene	570	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Nitrobenzene	ND	190	130	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodimethylamine	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	190	120	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	1	09/22/21	WB	SW8270D
Pentachloronitrobenzene	ND	260	140	ug/Kg	1	09/22/21	WB	SW8270D
Pentachlorophenol	ND	230	140	ug/Kg	1	09/22/21	WB	SW8270D
Phenanthrene	9300	2600	1100	ug/Kg	10	09/22/21	WB	SW8270D
Phenol	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Pyrene	6700	260	130	ug/Kg	1	09/22/21	WB	SW8270D
Pyridine	ND	260	92	ug/Kg	1	09/22/21	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	129			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorobiphenyl	87			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorophenol	56			%	1	09/22/21	WB	30 - 130 %
% Nitrobenzene-d5	87			%	1	09/22/21	WB	30 - 130 %
% Phenol-d5	77			%	1	09/22/21	WB	30 - 130 %
% Terphenyl-d14	74			%	1	09/22/21	WB	30 - 130 %
% 2,4,6-Tribromophenol (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %
% 2-Fluorobiphenyl (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %
% 2-Fluorophenol (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %
% Nitrobenzene-d5 (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %
% Phenol-d5 (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %
% Terphenyl-d14 (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B1 (3-5)

Phoenix I.D.: CJ33258

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.

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.

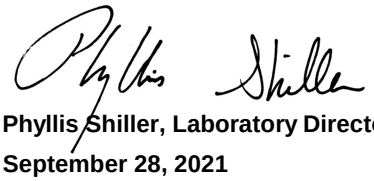
Comments:

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.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director
September 28, 2021
Reviewed and Released by: Ethan Lee, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 28, 2021

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/20/21	9:10
Location Code:	BRUSSEE	Received by:	CP	09/21/21	15:23
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCJ33255
Phoenix ID: CJ33259

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B3 (0-2)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	3.70	0.40		mg/Kg	1	09/22/21	TH	SW6010D
Aluminum	9050	40		mg/Kg	10	09/22/21	EK	SW6010D
Arsenic	23.6	0.80		mg/Kg	1	09/22/21	EK	SW6010D
Barium	2250	8.0		mg/Kg	10	09/22/21	EK	SW6010D
Beryllium	< 0.32	0.32		mg/Kg	1	09/22/21	TH	SW6010D
Calcium	32200	40		mg/Kg	10	09/22/21	EK	SW6010D
Cadmium	571	4.0		mg/Kg	10	09/22/21	EK	SW6010D
Cobalt	31.3	0.40		mg/Kg	1	09/22/21	EK	SW6010D
Chromium	121	0.40		mg/Kg	1	09/22/21	EK	SW6010D
Copper	1440	8.0		mg/kg	10	09/22/21	EK	SW6010D
Iron	145000	400		mg/Kg	100	09/23/21	TH	SW6010D
Mercury	7.10	1.5		mg/Kg	100	09/22/21	AP	SW7471B
Potassium	2130	8		mg/Kg	1	09/22/21	EK	SW6010D
Magnesium	4270	4.0		mg/Kg	1	09/22/21	EK	SW6010D
Manganese	954	4.0		mg/Kg	10	09/22/21	EK	SW6010D
Sodium	3620	8		mg/Kg	1	09/22/21	EK	SW6010D
Nickel	192	0.40		mg/Kg	1	09/22/21	EK	SW6010D
Lead	6530	8.0		mg/Kg	10	09/22/21	EK	SW6010D
Antimony	96.4	4.0		mg/Kg	1	09/22/21	TH	SW6010D
Selenium	< 1.6	1.6		mg/Kg	1	09/22/21	EK	SW6010D
Thallium	< 1.6	1.6		mg/Kg	1	09/22/21	EK	SW6010D
Vanadium	633	4.0		mg/Kg	10	09/22/21	EK	SW6010D
Zinc	9130	80		mg/Kg	100	09/23/21	TH	SW6010D
Percent Solid	84			%		09/21/21	Q	SW846-%Solid
Soil Extraction for PCB	Completed					09/21/21	B/E	SW3545A
Soil Extraction for Pesticides	Completed					09/21/21	B/E	SW3545A
Field Extraction	Completed					09/20/21		SW5035A 1

Ver 1

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B3 (0-2)

Phoenix I.D.: CJ33259

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					09/22/21	AB/AB	SW7471B
Soil Extraction for SVOA	Completed					09/21/21	R/K	SW3546
Total Metals Digest	Completed					09/21/21	M/AG	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	390	390	ug/Kg	10	09/23/21	SC	SW8082A
PCB-1221	ND	390	390	ug/Kg	10	09/23/21	SC	SW8082A
PCB-1232	ND	390	390	ug/Kg	10	09/23/21	SC	SW8082A
PCB-1242	ND	390	390	ug/Kg	10	09/23/21	SC	SW8082A
PCB-1248	ND	390	390	ug/Kg	10	09/23/21	SC	SW8082A
PCB-1254	4700	390	390	ug/Kg	10	09/23/21	SC	SW8082A
PCB-1260	ND	390	390	ug/Kg	10	09/23/21	SC	SW8082A
PCB-1262	ND	390	390	ug/Kg	10	09/23/21	SC	SW8082A
PCB-1268	ND	390	390	ug/Kg	10	09/23/21	SC	SW8082A
QA/QC Surrogates								
% DCBP	58			%	10	09/23/21	SC	30 - 150 %
% DCBP (Confirmation)	66			%	10	09/23/21	SC	30 - 150 %
% TCMX	69			%	10	09/23/21	SC	30 - 150 %
% TCMX (Confirmation)	80			%	10	09/23/21	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	90		ug/Kg	10	09/22/21	AW	SW8081B
4,4' -DDE	ND	160		ug/Kg	10	09/22/21	AW	SW8081B
4,4' -DDT	ND	400		ug/Kg	10	09/22/21	AW	SW8081B
a-BHC	ND	39		ug/Kg	10	09/22/21	AW	SW8081B
a-Chlordane	ND	25		ug/Kg	10	09/22/21	AW	SW8081B
Aldrin	ND	19		ug/Kg	10	09/22/21	AW	SW8081B
b-BHC	ND	39		ug/Kg	10	09/22/21	AW	SW8081B
Chlordane	ND	190		ug/Kg	10	09/22/21	AW	SW8081B
d-BHC	ND	39		ug/Kg	10	09/22/21	AW	SW8081B
Dieldrin	ND	19		ug/Kg	10	09/22/21	AW	SW8081B
Endosulfan I	ND	39		ug/Kg	10	09/22/21	AW	SW8081B
Endosulfan II	ND	39		ug/Kg	10	09/22/21	AW	SW8081B
Endosulfan sulfate	ND	39		ug/Kg	10	09/22/21	AW	SW8081B
Endrin	ND	39		ug/Kg	10	09/22/21	AW	SW8081B
Endrin aldehyde	ND	50		ug/Kg	10	09/22/21	AW	SW8081B
Endrin ketone	ND	39		ug/Kg	10	09/22/21	AW	SW8081B
g-BHC	ND	7.8		ug/Kg	10	09/22/21	AW	SW8081B
g-Chlordane	ND	19		ug/Kg	10	09/22/21	AW	SW8081B
Heptachlor	ND	39		ug/Kg	10	09/22/21	AW	SW8081B
Heptachlor epoxide	ND	39		ug/Kg	10	09/22/21	AW	SW8081B
Methoxychlor	ND	190		ug/Kg	10	09/22/21	AW	SW8081B
Toxaphene	ND	780		ug/Kg	10	09/22/21	AW	SW8081B
QA/QC Surrogates								
% DCBP	40			%	10	09/22/21	AW	30 - 150 %
% DCBP (Confirmation)	56			%	10	09/22/21	AW	30 - 150 %
% TCMX	59			%	10	09/22/21	AW	30 - 150 %
% TCMX (Confirmation)	54			%	10	09/22/21	AW	30 - 150 %

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B3 (0-2)

Phoenix I.D.: CJ33259

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C	
1,1,1-Trichloroethane	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C	
1,1,2-Trichloroethane	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C	
1,1-Dichloroethane	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C	
1,1-Dichloroethene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C	
1,1-Dichloropropene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2,3-Trichloropropane	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2-Dibromoethane	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2-Dichlorobenzene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2-Dichloroethane	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2-Dichloropropane	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C	
1,3-Dichlorobenzene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C	
1,3-Dichloropropane	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C	
1,4-Dichlorobenzene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C	
2,2-Dichloropropane	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C	
2-Chlorotoluene	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C	
2-Hexanone	ND	35	6.9	ug/Kg	1	09/22/21	JLI	SW8260C	
2-Isopropyltoluene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C	1
4-Chlorotoluene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C	
4-Methyl-2-pentanone	ND	35	6.9	ug/Kg	1	09/22/21	JLI	SW8260C	
Acetone	ND	35	6.9	ug/Kg	1	09/22/21	JLI	SW8260C	
Acrylonitrile	ND	14	1.4	ug/Kg	1	09/22/21	JLI	SW8260C	
Benzene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C	
Bromobenzene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C	
Bromochloromethane	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C	
Bromodichloromethane	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C	
Bromoform	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C	
Bromomethane	ND	6.9	2.8	ug/Kg	1	09/22/21	JLI	SW8260C	
Carbon Disulfide	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C	
Carbon tetrachloride	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C	
Chlorobenzene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C	
Chloroethane	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C	
Chloroform	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C	
Chloromethane	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C	
Dibromochloromethane	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C	
Dibromomethane	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C	
Dichlorodifluoromethane	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C	
Ethylbenzene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C	
Hexachlorobutadiene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C	
Isopropylbenzene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
Methyl Ethyl Ketone	ND	41	6.9	ug/Kg	1	09/22/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	14	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
Methylene chloride	ND	6.9	6.9	ug/Kg	1	09/22/21	JLI	SW8260C
Naphthalene	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
n-Butylbenzene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
n-Propylbenzene	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
o-Xylene	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
p-Isopropyltoluene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
sec-Butylbenzene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
Styrene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
tert-Butylbenzene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
Tetrachloroethene	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND	14	3.5	ug/Kg	1	09/22/21	JLI	SW8260C
Toluene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	14	3.5	ug/Kg	1	09/22/21	JLI	SW8260C
Trichloroethene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
Trichlorofluoromethane	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
Trichlorotrifluoroethane	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
Vinyl chloride	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	1	09/22/21	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	09/22/21	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	09/22/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/22/21	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100		ug/kg	1	09/22/21	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	1	09/22/21	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	09/22/21	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	09/22/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/22/21	JLI	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	28		ug/Kg	1	09/22/21	JLI	SW8260C
Acrolein	ND	6.9		ug/Kg	1	09/22/21	JLI	SW8260C
Acrylonitrile	ND	28		ug/Kg	1	09/22/21	JLI	SW8260C
Tert-butyl alcohol	ND	140		ug/Kg	1	09/22/21	JLI	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	270	140	ug/Kg	1	09/22/21	WB	SW8270D
1,2,4-Trichlorobenzene	ND	270	120	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Dichlorobenzene	660	270	110	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Diphenylhydrazine	ND	270	130	ug/Kg	1	09/22/21	WB	SW8270D
1,3-Dichlorobenzene	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
1,4-Dichlorobenzene	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	1	09/22/21	WB	SW8270D

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B3 (0-2)

Phoenix I.D.: CJ33259

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4,6-Trichlorophenol	ND		190	120	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dichlorophenol	ND		190	140	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dimethylphenol	ND		270	96	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dinitrophenol	ND		270	270	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dinitrotoluene	ND		190	150	ug/Kg	1	09/22/21	WB	SW8270D	
2,6-Dinitrotoluene	ND		190	120	ug/Kg	1	09/22/21	WB	SW8270D	
2-Chloronaphthalene	ND		270	110	ug/Kg	1	09/22/21	WB	SW8270D	
2-Chlorophenol	ND		270	110	ug/Kg	1	09/22/21	WB	SW8270D	
2-Methylnaphthalene	380		270	120	ug/Kg	1	09/22/21	WB	SW8270D	
2-Methylphenol (o-cresol)	ND		270	180	ug/Kg	1	09/22/21	WB	SW8270D	
2-Nitroaniline	ND		270	270	ug/Kg	1	09/22/21	WB	SW8270D	
2-Nitrophenol	ND		270	250	ug/Kg	1	09/22/21	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		270	150	ug/Kg	1	09/22/21	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND		190	180	ug/Kg	1	09/22/21	WB	SW8270D	
3-Nitroaniline	ND		390	770	ug/Kg	1	09/22/21	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND		230	77	ug/Kg	1	09/22/21	WB	SW8270D	
4-Bromophenyl phenyl ether	ND		270	110	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chloro-3-methylphenol	ND		270	140	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chloroaniline	ND		310	180	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND		270	130	ug/Kg	1	09/22/21	WB	SW8270D	
4-Nitroaniline	ND		390	130	ug/Kg	1	09/22/21	WB	SW8270D	
4-Nitrophenol	ND		390	180	ug/Kg	1	09/22/21	WB	SW8270D	
Acenaphthene	130	J	270	120	ug/Kg	1	09/22/21	WB	SW8270D	
Acenaphthylene	1300		270	110	ug/Kg	1	09/22/21	WB	SW8270D	
Acetophenone	ND		270	120	ug/Kg	1	09/22/21	WB	SW8270D	
Aniline	ND		310	310	ug/Kg	1	09/22/21	WB	SW8270D	
Anthracene	840		270	130	ug/Kg	1	09/22/21	WB	SW8270D	
Benz(a)anthracene	3400		270	130	ug/Kg	1	09/22/21	WB	SW8270D	
Benzidine	ND		390	230	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(a)pyrene	3800		190	130	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(b)fluoranthene	4000		270	130	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(ghi)perylene	2700		270	130	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(k)fluoranthene	3300		270	130	ug/Kg	1	09/22/21	WB	SW8270D	
Benzoic acid	ND		1900	770	ug/Kg	1	09/22/21	WB	SW8270D	
Benzyl butyl phthalate	ND		270	100	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND		270	110	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroethyl)ether	ND		190	100	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND		270	110	ug/Kg	1	09/22/21	WB	SW8270D	1
Bis(2-ethylhexyl)phthalate	220	J	270	110	ug/Kg	1	09/22/21	WB	SW8270D	
Carbazole	250		190	150	ug/Kg	1	09/22/21	WB	SW8270D	
Chrysene	3600		270	130	ug/Kg	1	09/22/21	WB	SW8270D	
Dibenz(a,h)anthracene	740		190	130	ug/Kg	1	09/22/21	WB	SW8270D	
Dibenzofuran	170	J	270	110	ug/Kg	1	09/22/21	WB	SW8270D	
Diethyl phthalate	ND		270	120	ug/Kg	1	09/22/21	WB	SW8270D	
Dimethylphthalate	ND		270	120	ug/Kg	1	09/22/21	WB	SW8270D	
Di-n-butylphthalate	320		270	100	ug/Kg	1	09/22/21	WB	SW8270D	
Di-n-octylphthalate	ND		270	100	ug/Kg	1	09/22/21	WB	SW8270D	
Fluoranthene	6400		270	130	ug/Kg	1	09/22/21	WB	SW8270D	
Fluorene	230	J	270	130	ug/Kg	1	09/22/21	WB	SW8270D	

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B3 (0-2)

Phoenix I.D.: CJ33259

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	190	110	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorobutadiene	ND	270	140	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorocyclopentadiene	ND	270	120	ug/Kg	1	09/22/21	WB	SW8270D
Hexachloroethane	ND	190	120	ug/Kg	1	09/22/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	2800	270	130	ug/Kg	1	09/22/21	WB	SW8270D
Isophorone	ND	190	110	ug/Kg	1	09/22/21	WB	SW8270D
Naphthalene	520	270	110	ug/Kg	1	09/22/21	WB	SW8270D
Nitrobenzene	ND	190	140	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodimethylamine	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	190	130	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodiphenylamine	ND	270	150	ug/Kg	1	09/22/21	WB	SW8270D
Pentachloronitrobenzene	ND	270	140	ug/Kg	1	09/22/21	WB	SW8270D
Pentachlorophenol	ND	230	150	ug/Kg	1	09/22/21	WB	SW8270D
Phenanthrene	3100	270	110	ug/Kg	1	09/22/21	WB	SW8270D
Phenol	ND	270	120	ug/Kg	1	09/22/21	WB	SW8270D
Pyrene	5600	270	130	ug/Kg	1	09/22/21	WB	SW8270D
Pyridine	ND	270	95	ug/Kg	1	09/22/21	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	129			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorobiphenyl	82			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorophenol	57			%	1	09/22/21	WB	30 - 130 %
% Nitrobenzene-d5	77			%	1	09/22/21	WB	30 - 130 %
% Phenol-d5	76			%	1	09/22/21	WB	30 - 130 %
% Terphenyl-d14	90			%	1	09/22/21	WB	30 - 130 %

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.

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:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Pesticide Comment:
Due to matrix interference caused by the presence of suspected PCBs in the sample, an elevated RL was reported.

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

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
September 28, 2021
Reviewed and Released by: Ethan Lee, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 28, 2021

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/20/21	9:15
Location Code:	BRUSSEE	Received by:	CP	09/21/21	15:23
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCJ33255
Phoenix ID: CJ33260

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B3 (3-5)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.41	0.41		mg/Kg	1	09/22/21	EK	SW6010D
Aluminum	8370	41		mg/Kg	10	09/22/21	EK	SW6010D
Arsenic	22.0	0.82		mg/Kg	1	09/22/21	EK	SW6010D
Barium	343	0.8		mg/Kg	1	09/22/21	EK	SW6010D
Beryllium	0.39	0.33		mg/Kg	1	09/22/21	EK	SW6010D
Calcium	15000	41		mg/Kg	10	09/22/21	EK	SW6010D
Cadmium	2.40	0.41		mg/Kg	1	09/22/21	EK	SW6010D
Cobalt	18.6	0.41		mg/Kg	1	09/22/21	EK	SW6010D
Chromium	33.0	0.41		mg/Kg	1	09/22/21	EK	SW6010D
Copper	159	0.8		mg/kg	1	09/22/21	EK	SW6010D
Iron	97200	41		mg/Kg	10	09/22/21	EK	SW6010D
Mercury	1.19	0.03		mg/Kg	2	09/22/21	AP	SW7471B
Potassium	4350	82		mg/Kg	10	09/22/21	EK	SW6010D
Magnesium	5710	4.1		mg/Kg	1	09/22/21	EK	SW6010D
Manganese	601	4.1		mg/Kg	10	09/22/21	EK	SW6010D
Sodium	252	8		mg/Kg	1	09/22/21	EK	SW6010D
Nickel	28.5	0.41		mg/Kg	1	09/22/21	EK	SW6010D
Lead	895	8.2		mg/Kg	10	09/22/21	EK	SW6010D
Antimony	< 4.1	4.1		mg/Kg	1	09/22/21	EK	SW6010D
Selenium	< 1.6	1.6		mg/Kg	1	09/22/21	EK	SW6010D
Thallium	< 1.6	1.6		mg/Kg	1	09/22/21	EK	SW6010D
Vanadium	46.9	0.41		mg/Kg	1	09/22/21	EK	SW6010D
Zinc	437	8.2		mg/Kg	10	09/22/21	EK	SW6010D
Percent Solid	85			%		09/21/21	Q	SW846-%Solid
Soil Extraction for PCB	Completed					09/21/21	O/B/E	SW3545A
Soil Extraction for Pesticides	Completed					09/21/21	O/B/E	SW3545A
Field Extraction	Completed					09/20/21		SW5035A [1]

Ver 1

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B3 (3-5)

Phoenix I.D.: CJ33260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					09/22/21	AB/AB	SW7471B
Soil Extraction for SVOA	Completed					09/21/21	R/K	SW3546
Total Metals Digest	Completed					09/21/21	M/AG/BF	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	78	78	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1221	ND	78	78	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1232	ND	78	78	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1242	ND	78	78	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1248	ND	78	78	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1254	ND	78	78	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1260	ND	78	78	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1262	ND	78	78	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1268	ND	78	78	ug/Kg	2	09/22/21	SC	SW8082A
QA/QC Surrogates								
% DCBP	68			%	2	09/22/21	SC	30 - 150 %
% DCBP (Confirmation)	61			%	2	09/22/21	SC	30 - 150 %
% TCMX	61			%	2	09/22/21	SC	30 - 150 %
% TCMX (Confirmation)	59			%	2	09/22/21	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.3		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDE	ND	2.3		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDT	ND	2.3		ug/Kg	2	09/22/21	AW	SW8081B
a-BHC	ND	7.8		ug/Kg	2	09/22/21	AW	SW8081B
a-Chlordane	ND	3.9		ug/Kg	2	09/22/21	AW	SW8081B
Aldrin	ND	3.9		ug/Kg	2	09/22/21	AW	SW8081B
b-BHC	ND	7.8		ug/Kg	2	09/22/21	AW	SW8081B
Chlordane	ND	39		ug/Kg	2	09/22/21	AW	SW8081B
d-BHC	ND	7.8		ug/Kg	2	09/22/21	AW	SW8081B
Dieldrin	ND	3.9		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan I	ND	7.8		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan II	ND	7.8		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan sulfate	ND	7.8		ug/Kg	2	09/22/21	AW	SW8081B
Endrin	ND	7.8		ug/Kg	2	09/22/21	AW	SW8081B
Endrin aldehyde	ND	7.8		ug/Kg	2	09/22/21	AW	SW8081B
Endrin ketone	ND	7.8		ug/Kg	2	09/22/21	AW	SW8081B
g-BHC	ND	1.6		ug/Kg	2	09/22/21	AW	SW8081B
g-Chlordane	ND	3.9		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor	ND	7.8		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor epoxide	ND	7.8		ug/Kg	2	09/22/21	AW	SW8081B
Methoxychlor	ND	39		ug/Kg	2	09/22/21	AW	SW8081B
Toxaphene	ND	160		ug/Kg	2	09/22/21	AW	SW8081B
QA/QC Surrogates								
% DCBP	54			%	2	09/22/21	AW	30 - 150 %
% DCBP (Confirmation)	72			%	2	09/22/21	AW	30 - 150 %
% TCMX	62			%	2	09/22/21	AW	30 - 150 %
% TCMX (Confirmation)	67			%	2	09/22/21	AW	30 - 150 %

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B3 (3-5)

Phoenix I.D.: CJ33260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C	
1,1-Dichloroethane	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C	
1,1-Dichloroethene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C	
1,1-Dichloropropene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2-Dibromoethane	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2-Dichloroethane	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C	
1,2-Dichloropropane	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C	
1,3-Dichloropropane	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C	
2,2-Dichloropropane	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C	
2-Chlorotoluene	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C	
2-Hexanone	ND	29	5.7	ug/Kg	1	09/22/21	JLI	SW8260C	
2-Isopropyltoluene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C	1
4-Chlorotoluene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C	
4-Methyl-2-pentanone	ND	29	5.7	ug/Kg	1	09/22/21	JLI	SW8260C	
Acetone	ND	29	5.7	ug/Kg	1	09/22/21	JLI	SW8260C	
Acrylonitrile	ND	11	1.1	ug/Kg	1	09/22/21	JLI	SW8260C	
Benzene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C	
Bromobenzene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C	
Bromochloromethane	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C	
Bromodichloromethane	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C	
Bromoform	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C	
Bromomethane	ND	5.7	2.3	ug/Kg	1	09/22/21	JLI	SW8260C	
Carbon Disulfide	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C	
Carbon tetrachloride	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C	
Chlorobenzene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C	
Chloroethane	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C	
Chloroform	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C	
Chloromethane	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C	
Dibromochloromethane	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C	
Dibromomethane	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C	
Dichlorodifluoromethane	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C	
Ethylbenzene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C	
Hexachlorobutadiene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C	
Isopropylbenzene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
Methyl Ethyl Ketone	ND	34	5.7	ug/Kg	1	09/22/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
Methylene chloride	ND	5.7	5.7	ug/Kg	1	09/22/21	JLI	SW8260C
Naphthalene	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
n-Butylbenzene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
n-Propylbenzene	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
o-Xylene	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
p-Isopropyltoluene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
sec-Butylbenzene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
Styrene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
tert-Butylbenzene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
Tetrachloroethene	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND	11	2.9	ug/Kg	1	09/22/21	JLI	SW8260C
Toluene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	11	2.9	ug/Kg	1	09/22/21	JLI	SW8260C
Trichloroethene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
Trichlorofluoromethane	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
Vinyl chloride	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101			%	1	09/22/21	JLI	70 - 130 %
% Bromofluorobenzene	92			%	1	09/22/21	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	09/22/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/22/21	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	86		ug/kg	1	09/22/21	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101			%	1	09/22/21	JLI	70 - 130 %
% Bromofluorobenzene	92			%	1	09/22/21	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	09/22/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/22/21	JLI	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	23		ug/Kg	1	09/22/21	JLI	SW8260C
Acrolein	ND	5.7		ug/Kg	1	09/22/21	JLI	SW8260C
Acrylonitrile	ND	23		ug/Kg	1	09/22/21	JLI	SW8260C
Tert-butyl alcohol	ND	110		ug/Kg	1	09/22/21	JLI	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	270	130	ug/Kg	1	09/22/21	WB	SW8270D
1,2,4-Trichlorobenzene	ND	270	120	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Dichlorobenzene	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Diphenylhydrazine	ND	270	120	ug/Kg	1	09/22/21	WB	SW8270D
1,3-Dichlorobenzene	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
1,4-Dichlorobenzene	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	1	09/22/21	WB	SW8270D

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Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4,6-Trichlorophenol	ND		190	120	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dichlorophenol	ND		190	130	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dimethylphenol	ND		270	95	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dinitrophenol	ND		270	270	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dinitrotoluene	ND		190	150	ug/Kg	1	09/22/21	WB	SW8270D	
2,6-Dinitrotoluene	ND		190	120	ug/Kg	1	09/22/21	WB	SW8270D	
2-Chloronaphthalene	ND		270	110	ug/Kg	1	09/22/21	WB	SW8270D	
2-Chlorophenol	ND		270	110	ug/Kg	1	09/22/21	WB	SW8270D	
2-Methylnaphthalene	190	J	270	110	ug/Kg	1	09/22/21	WB	SW8270D	
2-Methylphenol (o-cresol)	ND		270	180	ug/Kg	1	09/22/21	WB	SW8270D	
2-Nitroaniline	ND		270	270	ug/Kg	1	09/22/21	WB	SW8270D	
2-Nitrophenol	ND		270	240	ug/Kg	1	09/22/21	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		270	150	ug/Kg	1	09/22/21	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND		190	180	ug/Kg	1	09/22/21	WB	SW8270D	
3-Nitroaniline	ND		380	770	ug/Kg	1	09/22/21	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND		230	77	ug/Kg	1	09/22/21	WB	SW8270D	
4-Bromophenyl phenyl ether	ND		270	110	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chloro-3-methylphenol	ND		270	130	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chloroaniline	ND		310	180	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND		270	130	ug/Kg	1	09/22/21	WB	SW8270D	
4-Nitroaniline	ND		380	130	ug/Kg	1	09/22/21	WB	SW8270D	
4-Nitrophenol	ND		380	170	ug/Kg	1	09/22/21	WB	SW8270D	
Acenaphthene	630		270	120	ug/Kg	1	09/22/21	WB	SW8270D	
Acenaphthylene	530		270	110	ug/Kg	1	09/22/21	WB	SW8270D	
Acetophenone	ND		270	120	ug/Kg	1	09/22/21	WB	SW8270D	
Aniline	ND		310	310	ug/Kg	1	09/22/21	WB	SW8270D	
Anthracene	1500		270	130	ug/Kg	1	09/22/21	WB	SW8270D	
Benz(a)anthracene	4800		270	130	ug/Kg	1	09/22/21	WB	SW8270D	
Benzidine	ND		380	230	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(a)pyrene	4200		190	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(b)fluoranthene	3400		270	130	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(ghi)perylene	2800		270	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(k)fluoranthene	2800		270	130	ug/Kg	1	09/22/21	WB	SW8270D	
Benzoic acid	ND		1900	770	ug/Kg	1	09/22/21	WB	SW8270D	
Benzyl butyl phthalate	ND		270	99	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND		270	110	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroethyl)ether	ND		190	100	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND		270	110	ug/Kg	1	09/22/21	WB	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND		270	110	ug/Kg	1	09/22/21	WB	SW8270D	
Carbazole	190	J	190	150	ug/Kg	1	09/22/21	WB	SW8270D	
Chrysene	5700		270	130	ug/Kg	1	09/22/21	WB	SW8270D	
Dibenz(a,h)anthracene	1000		190	120	ug/Kg	1	09/22/21	WB	SW8270D	
Dibenzofuran	140	J	270	110	ug/Kg	1	09/22/21	WB	SW8270D	
Diethyl phthalate	ND		270	120	ug/Kg	1	09/22/21	WB	SW8270D	
Dimethylphthalate	ND		270	120	ug/Kg	1	09/22/21	WB	SW8270D	
Di-n-butylphthalate	ND		270	100	ug/Kg	1	09/22/21	WB	SW8270D	
Di-n-octylphthalate	ND		270	99	ug/Kg	1	09/22/21	WB	SW8270D	
Fluoranthene	9400		2700	1200	ug/Kg	10	09/22/21	WB	SW8270D	
Fluorene	530		270	130	ug/Kg	1	09/22/21	WB	SW8270D	

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Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Hexachlorobenzene	ND		190	110	ug/Kg	1	09/22/21	WB	SW8270D	
Hexachlorobutadiene	ND		270	140	ug/Kg	1	09/22/21	WB	SW8270D	
Hexachlorocyclopentadiene	ND		270	120	ug/Kg	1	09/22/21	WB	SW8270D	
Hexachloroethane	ND		190	110	ug/Kg	1	09/22/21	WB	SW8270D	
Indeno(1,2,3-cd)pyrene	2600		270	130	ug/Kg	1	09/22/21	WB	SW8270D	
Isophorone	ND		190	110	ug/Kg	1	09/22/21	WB	SW8270D	
Naphthalene	180	J	270	110	ug/Kg	1	09/22/21	WB	SW8270D	
Nitrobenzene	ND		190	130	ug/Kg	1	09/22/21	WB	SW8270D	
N-Nitrosodimethylamine	ND		270	110	ug/Kg	1	09/22/21	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND		190	120	ug/Kg	1	09/22/21	WB	SW8270D	
N-Nitrosodiphenylamine	ND		270	150	ug/Kg	1	09/22/21	WB	SW8270D	
Pentachloronitrobenzene	ND		270	140	ug/Kg	1	09/22/21	WB	SW8270D	
Pentachlorophenol	ND		230	140	ug/Kg	1	09/22/21	WB	SW8270D	
Phenanthrene	10000		2700	1100	ug/Kg	10	09/22/21	WB	SW8270D	
Phenol	ND		270	120	ug/Kg	1	09/22/21	WB	SW8270D	
Pyrene	12000		2700	1300	ug/Kg	10	09/22/21	WB	SW8270D	
Pyridine	ND		270	94	ug/Kg	1	09/22/21	WB	SW8270D	
QA/QC Surrogates										
% 2,4,6-Tribromophenol	111				%	1	09/22/21	WB	30 - 130 %	
% 2-Fluorobiphenyl	68				%	1	09/22/21	WB	30 - 130 %	
% 2-Fluorophenol	29				%	1	09/22/21	WB	30 - 130 %	3
% Nitrobenzene-d5	72				%	1	09/22/21	WB	30 - 130 %	
% Phenol-d5	58				%	1	09/22/21	WB	30 - 130 %	
% Terphenyl-d14	76				%	1	09/22/21	WB	30 - 130 %	
% 2,4,6-Tribromophenol (10x)	Diluted Out				%	10	09/22/21	WB	30 - 130 %	
% 2-Fluorobiphenyl (10x)	Diluted Out				%	10	09/22/21	WB	30 - 130 %	
% 2-Fluorophenol (10x)	Diluted Out				%	10	09/22/21	WB	30 - 130 %	
% Nitrobenzene-d5 (10x)	Diluted Out				%	10	09/22/21	WB	30 - 130 %	
% Phenol-d5 (10x)	Diluted Out				%	10	09/22/21	WB	30 - 130 %	
% Terphenyl-d14 (10x)	Diluted Out				%	10	09/22/21	WB	30 - 130 %	

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 J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1 QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

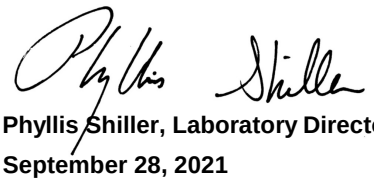
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

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

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

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director
September 28, 2021
Reviewed and Released by: Ethan Lee, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 28, 2021

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/20/21	9:25
Location Code:	BRUSSEE	Received by:	CP	09/21/21	15:23
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCJ33255
Phoenix ID: CJ33261

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B4 (0-2)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.33	0.33		mg/Kg	1	09/22/21	EK	SW6010D
Aluminum	10500	33		mg/Kg	10	09/22/21	EK	SW6010D
Arsenic	2.91	0.65		mg/Kg	1	09/22/21	EK	SW6010D
Barium	62.5	0.7		mg/Kg	1	09/22/21	EK	SW6010D
Beryllium	0.53	0.26		mg/Kg	1	09/22/21	EK	SW6010D
Calcium	46200	33		mg/Kg	10	09/22/21	EK	SW6010D
Cadmium	0.34	0.33		mg/Kg	1	09/22/21	EK	SW6010D
Cobalt	8.40	0.33		mg/Kg	1	09/22/21	EK	SW6010D
Chromium	16.4	0.33		mg/Kg	1	09/22/21	EK	SW6010D
Copper	42.0	0.7		mg/kg	1	09/22/21	EK	SW6010D
Iron	17700	33		mg/Kg	10	09/22/21	EK	SW6010D
Mercury	0.44	0.03		mg/Kg	2	09/22/21	AP	SW7471B
Potassium	2330	7		mg/Kg	1	09/22/21	EK	SW6010D
Magnesium	6840	33		mg/Kg	10	09/22/21	EK	SW6010D
Manganese	238	3.3		mg/Kg	10	09/22/21	EK	SW6010D
Sodium	477	7		mg/Kg	1	09/22/21	EK	SW6010D
Nickel	18.5	0.33		mg/Kg	1	09/22/21	EK	SW6010D
Lead	2070	6.5		mg/Kg	10	09/22/21	EK	SW6010D
Antimony	< 3.3	3.3		mg/Kg	1	09/22/21	EK	SW6010D
Selenium	< 1.3	1.3		mg/Kg	1	09/22/21	EK	SW6010D
Thallium	< 1.3	1.3		mg/Kg	1	09/22/21	EK	SW6010D
Vanadium	21.7	0.33		mg/Kg	1	09/22/21	EK	SW6010D
Zinc	74.5	0.7		mg/Kg	1	09/22/21	EK	SW6010D
Percent Solid	91			%		09/21/21	Q	SW846-%Solid
Soil Extraction for PCB	Completed					09/21/21	O/B/E	SW3545A
Soil Extraction for Pesticides	Completed					09/21/21	O/B/E	SW3545A
Field Extraction	Completed					09/20/21		SW5035A [1]

Ver 1

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B4 (0-2)

Phoenix I.D.: CJ33261

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					09/22/21	AB/AB	SW7471B
Soil Extraction for SVOA	Completed					09/21/21	R/K	SW3546
Total Metals Digest	Completed					09/21/21	M/AG/BF	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1221	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1232	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1242	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1248	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1254	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1260	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1262	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1268	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
QA/QC Surrogates								
% DCBP	68			%	2	09/22/21	SC	30 - 150 %
% DCBP (Confirmation)	68			%	2	09/22/21	SC	30 - 150 %
% TCMX	63			%	2	09/22/21	SC	30 - 150 %
% TCMX (Confirmation)	65			%	2	09/22/21	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.1		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDE	ND	2.1		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDT	ND	2.1		ug/Kg	2	09/22/21	AW	SW8081B
a-BHC	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
a-Chlordane	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
Aldrin	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
b-BHC	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Chlordane	ND	36		ug/Kg	2	09/22/21	AW	SW8081B
d-BHC	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Dieldrin	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan I	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan II	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan sulfate	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Endrin	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Endrin aldehyde	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Endrin ketone	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
g-BHC	ND	1.4		ug/Kg	2	09/22/21	AW	SW8081B
g-Chlordane	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor epoxide	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Methoxychlor	ND	36		ug/Kg	2	09/22/21	AW	SW8081B
Toxaphene	ND	140		ug/Kg	2	09/22/21	AW	SW8081B
QA/QC Surrogates								
% DCBP	60			%	2	09/22/21	AW	30 - 150 %
% DCBP (Confirmation)	62			%	2	09/22/21	AW	30 - 150 %
% TCMX	61			%	2	09/22/21	AW	30 - 150 %
% TCMX (Confirmation)	56			%	2	09/22/21	AW	30 - 150 %

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B4 (0-2)

Phoenix I.D.: CJ33261

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	09/23/21	JLI	SW8260C	
1,1,1-Trichloroethane	ND		5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND		5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1-Dichloroethane	ND		5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1-Dichloroethene	ND		5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1-Dichloropropene	ND		5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,3-Trichloropropane	ND		5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND		5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dibromoethane	ND		5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dichlorobenzene	ND		5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dichloroethane	ND		5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dichloropropane	ND		5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND		5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C	
1,3-Dichlorobenzene	ND		5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C	
1,3-Dichloropropane	ND		5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
1,4-Dichlorobenzene	ND		5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C	
2,2-Dichloropropane	ND		5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C	
2-Chlorotoluene	ND		5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
2-Hexanone	ND		26	5.2	ug/Kg	1	09/23/21	JLI	SW8260C	
2-Isopropyltoluene	ND		5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C	1
4-Chlorotoluene	ND		5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C	
4-Methyl-2-pentanone	ND		26	5.2	ug/Kg	1	09/23/21	JLI	SW8260C	
Acetone	5.3	JS	26	5.2	ug/Kg	1	09/23/21	JLI	SW8260C	
Acrylonitrile	ND		10	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
Benzene	ND		5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromobenzene	ND		5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromochloromethane	ND		5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromodichloromethane	ND		5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromoform	ND		5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromomethane	ND		5.2	2.1	ug/Kg	1	09/23/21	JLI	SW8260C	
Carbon Disulfide	ND		5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
Carbon tetrachloride	ND		5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
Chlorobenzene	ND		5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C	
Chloroethane	ND		5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C	
Chloroform	ND		5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C	
Chloromethane	ND		5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C	
Dibromochloromethane	ND		5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
Dibromomethane	ND		5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
Dichlorodifluoromethane	ND		5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C	
Ethylbenzene	ND		5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C	
Hexachlorobutadiene	ND		5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C	
Isopropylbenzene	ND		5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C	

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B4 (0-2)

Phoenix I.D.: CJ33261

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl Ethyl Ketone	ND	31	5.2	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Methylene chloride	ND	5.2	5.2	ug/Kg	1	09/23/21	JLI	SW8260C
Naphthalene	ND	5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
n-Butylbenzene	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
n-Propylbenzene	ND	5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
o-Xylene	ND	5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
p-Isopropyltoluene	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
sec-Butylbenzene	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
Styrene	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
tert-Butylbenzene	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrachloroethene	ND	5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND	10	2.6	ug/Kg	1	09/23/21	JLI	SW8260C
Toluene	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	10	2.6	ug/Kg	1	09/23/21	JLI	SW8260C
Trichloroethene	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorofluoromethane	ND	5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
Vinyl chloride	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	103			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	96			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	97			%	1	09/23/21	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	77		ug/kg	1	09/23/21	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	103			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	96			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	97			%	1	09/23/21	JLI	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	21		ug/Kg	1	09/23/21	JLI	SW8260C
Acrolein	ND	5.2		ug/Kg	1	09/23/21	JLI	SW8260C
Acrylonitrile	ND	21		ug/Kg	1	09/23/21	JLI	SW8260C
Tert-butyl alcohol	ND	100		ug/Kg	1	09/23/21	JLI	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	09/22/21	WB	SW8270D
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Dichlorobenzene	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D
1,3-Dichlorobenzene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
1,4-Dichlorobenzene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	1	09/22/21	WB	SW8270D

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B4 (0-2)

Phoenix I.D.: CJ33261

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4,6-Trichlorophenol	ND		180	110	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dichlorophenol	ND		180	130	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dimethylphenol	ND		250	88	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dinitrophenol	ND		250	250	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dinitrotoluene	ND		180	140	ug/Kg	1	09/22/21	WB	SW8270D	
2,6-Dinitrotoluene	ND		180	110	ug/Kg	1	09/22/21	WB	SW8270D	
2-Chloronaphthalene	ND		250	100	ug/Kg	1	09/22/21	WB	SW8270D	
2-Chlorophenol	ND		250	100	ug/Kg	1	09/22/21	WB	SW8270D	
2-Methylnaphthalene	ND		250	110	ug/Kg	1	09/22/21	WB	SW8270D	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	1	09/22/21	WB	SW8270D	
2-Nitroaniline	ND		250	250	ug/Kg	1	09/22/21	WB	SW8270D	
2-Nitrophenol	ND		250	230	ug/Kg	1	09/22/21	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	1	09/22/21	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND		180	170	ug/Kg	1	09/22/21	WB	SW8270D	
3-Nitroaniline	ND		360	710	ug/Kg	1	09/22/21	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND		210	71	ug/Kg	1	09/22/21	WB	SW8270D	
4-Bromophenyl phenyl ether	ND		250	100	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chloro-3-methylphenol	ND		250	130	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chloroaniline	ND		280	170	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	1	09/22/21	WB	SW8270D	
4-Nitroaniline	ND		360	120	ug/Kg	1	09/22/21	WB	SW8270D	
4-Nitrophenol	ND		360	160	ug/Kg	1	09/22/21	WB	SW8270D	
Acenaphthene	ND		250	110	ug/Kg	1	09/22/21	WB	SW8270D	
Acenaphthylene	ND		250	100	ug/Kg	1	09/22/21	WB	SW8270D	
Acetophenone	ND		250	110	ug/Kg	1	09/22/21	WB	SW8270D	
Aniline	ND		280	280	ug/Kg	1	09/22/21	WB	SW8270D	
Anthracene	ND		250	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benz(a)anthracene	230	J	250	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzidine	ND		360	210	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(a)pyrene	260		180	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(b)fluoranthene	240	J	250	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(ghi)perylene	330		250	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(k)fluoranthene	220	J	250	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzoic acid	ND		1800	710	ug/Kg	1	09/22/21	WB	SW8270D	
Benzyl butyl phthalate	ND		250	92	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND		250	98	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroethyl)ether	ND		180	96	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND		250	99	ug/Kg	1	09/22/21	WB	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	1	09/22/21	WB	SW8270D	
Carbazole	ND		180	140	ug/Kg	1	09/22/21	WB	SW8270D	
Chrysene	230	J	250	120	ug/Kg	1	09/22/21	WB	SW8270D	
Dibenz(a,h)anthracene	ND		180	120	ug/Kg	1	09/22/21	WB	SW8270D	
Dibenzofuran	ND		250	100	ug/Kg	1	09/22/21	WB	SW8270D	
Diethyl phthalate	ND		250	110	ug/Kg	1	09/22/21	WB	SW8270D	
Dimethylphthalate	ND		250	110	ug/Kg	1	09/22/21	WB	SW8270D	
Di-n-butylphthalate	ND		250	95	ug/Kg	1	09/22/21	WB	SW8270D	
Di-n-octylphthalate	ND		250	92	ug/Kg	1	09/22/21	WB	SW8270D	
Fluoranthene	280		250	120	ug/Kg	1	09/22/21	WB	SW8270D	
Fluorene	ND		250	120	ug/Kg	1	09/22/21	WB	SW8270D	

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B4 (0-2)

Phoenix I.D.: CJ33261

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND		180	100	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorobutadiene	ND		250	130	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	1	09/22/21	WB	SW8270D
Hexachloroethane	ND		180	110	ug/Kg	1	09/22/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	300		250	120	ug/Kg	1	09/22/21	WB	SW8270D
Isophorone	ND		180	100	ug/Kg	1	09/22/21	WB	SW8270D
Naphthalene	ND		250	100	ug/Kg	1	09/22/21	WB	SW8270D
Nitrobenzene	ND		180	120	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodimethylamine	ND		250	100	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodi-n-propylamine	ND		180	120	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodiphenylamine	ND		250	140	ug/Kg	1	09/22/21	WB	SW8270D
Pentachloronitrobenzene	ND		250	130	ug/Kg	1	09/22/21	WB	SW8270D
Pentachlorophenol	ND		210	130	ug/Kg	1	09/22/21	WB	SW8270D
Phenanthrene	130	J	250	100	ug/Kg	1	09/22/21	WB	SW8270D
Phenol	ND		250	110	ug/Kg	1	09/22/21	WB	SW8270D
Pyrene	260		250	120	ug/Kg	1	09/22/21	WB	SW8270D
Pyridine	ND		250	87	ug/Kg	1	09/22/21	WB	SW8270D
QA/QC Surrogates									
% 2,4,6-Tribromophenol	126				%	1	09/22/21	WB	30 - 130 %
% 2-Fluorobiphenyl	82				%	1	09/22/21	WB	30 - 130 %
% 2-Fluorophenol	44				%	1	09/22/21	WB	30 - 130 %
% Nitrobenzene-d5	79				%	1	09/22/21	WB	30 - 130 %
% Phenol-d5	65				%	1	09/22/21	WB	30 - 130 %
% Terphenyl-d14	68				%	1	09/22/21	WB	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.

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 you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

September 28, 2021

Reviewed and Released by: Ethan Lee, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 28, 2021

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/20/21	9:30
Location Code:	BRUSSEE	Received by:	CP	09/21/21	15:23
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCJ33255
Phoenix ID: CJ33262

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B4 (3-5)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.34	0.34		mg/Kg	1	09/22/21	EK	SW6010D
Aluminum	19900	34		mg/Kg	10	09/22/21	EK	SW6010D
Arsenic	1.25	0.69		mg/Kg	1	09/22/21	EK	SW6010D
Barium	96.5	0.7		mg/Kg	1	09/22/21	EK	SW6010D
Beryllium	0.80	0.28		mg/Kg	1	09/22/21	EK	SW6010D
Calcium	26500	34		mg/Kg	10	09/22/21	EK	SW6010D
Cadmium	< 0.34	0.34		mg/Kg	1	09/22/21	EK	SW6010D
Cobalt	15.6	0.34		mg/Kg	1	09/22/21	EK	SW6010D
Chromium	35.3	0.34		mg/Kg	1	09/22/21	EK	SW6010D
Copper	33.8	0.7		mg/kg	1	09/22/21	EK	SW6010D
Iron	26200	34		mg/Kg	10	09/22/21	EK	SW6010D
Mercury	0.20	0.03		mg/Kg	2	09/22/21	AP	SW7471B
Potassium	7720	69		mg/Kg	10	09/22/21	EK	SW6010D
Magnesium	12100	34		mg/Kg	10	09/22/21	EK	SW6010D
Manganese	346	3.4		mg/Kg	10	09/22/21	EK	SW6010D
Sodium	1220	7		mg/Kg	1	09/22/21	EK	SW6010D
Nickel	28.9	0.34		mg/Kg	1	09/22/21	EK	SW6010D
Lead	18.9	0.7		mg/Kg	1	09/22/21	EK	SW6010D
Antimony	< 3.4	3.4		mg/Kg	1	09/22/21	EK	SW6010D
Selenium	< 1.4	1.4		mg/Kg	1	09/22/21	EK	SW6010D
Thallium	< 1.4	1.4		mg/Kg	1	09/22/21	EK	SW6010D
Vanadium	57.7	0.34		mg/Kg	1	09/22/21	EK	SW6010D
Zinc	74.2	0.7		mg/Kg	1	09/22/21	EK	SW6010D
Percent Solid	92			%		09/21/21	Q	SW846-%Solid
Soil Extraction for PCB	Completed					09/21/21	O/B/E	SW3545A
Soil Extraction for Pesticides	Completed					09/21/21	O/B/E	SW3545A
Field Extraction	Completed					09/20/21		SW5035A

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Ver 1

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B4 (3-5)

Phoenix I.D.: CJ33262

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					09/22/21	AB/AB	SW7471B
Soil Extraction for SVOA	Completed					09/21/21	R/K	SW3546
Total Metals Digest	Completed					09/21/21	M/AG/BF	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1221	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1232	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1242	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1248	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1254	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1260	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1262	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1268	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
QA/QC Surrogates								
% DCBP	69			%	2	09/22/21	SC	30 - 150 %
% DCBP (Confirmation)	69			%	2	09/22/21	SC	30 - 150 %
% TCMX	60			%	2	09/22/21	SC	30 - 150 %
% TCMX (Confirmation)	61			%	2	09/22/21	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.2		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDE	ND	2.2		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDT	ND	2.2		ug/Kg	2	09/22/21	AW	SW8081B
a-BHC	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
a-Chlordane	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
Aldrin	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
b-BHC	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Chlordane	ND	36		ug/Kg	2	09/22/21	AW	SW8081B
d-BHC	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Dieldrin	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan I	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan II	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan sulfate	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Endrin	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Endrin aldehyde	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Endrin ketone	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
g-BHC	ND	1.4		ug/Kg	2	09/22/21	AW	SW8081B
g-Chlordane	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor epoxide	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Methoxychlor	ND	36		ug/Kg	2	09/22/21	AW	SW8081B
Toxaphene	ND	140		ug/Kg	2	09/22/21	AW	SW8081B
QA/QC Surrogates								
% DCBP	63			%	2	09/22/21	AW	30 - 150 %
% DCBP (Confirmation)	62			%	2	09/22/21	AW	30 - 150 %
% TCMX	61			%	2	09/22/21	AW	30 - 150 %
% TCMX (Confirmation)	55			%	2	09/22/21	AW	30 - 150 %

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B4 (3-5)

Phoenix I.D.: CJ33262

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1,1-Trichloroethane	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1,2-Trichloroethane	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1-Dichloroethane	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1-Dichloroethene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1-Dichloropropene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,3-Trichloropropane	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dibromoethane	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dichlorobenzene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dichloroethane	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dichloropropane	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C	
1,3-Dichlorobenzene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C	
1,3-Dichloropropane	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C	
1,4-Dichlorobenzene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C	
2,2-Dichloropropane	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C	
2-Chlorotoluene	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C	
2-Hexanone	ND	23	4.6	ug/Kg	1	09/23/21	JLI	SW8260C	
2-Isopropyltoluene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C	1
4-Chlorotoluene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C	
4-Methyl-2-pentanone	ND	23	4.6	ug/Kg	1	09/23/21	JLI	SW8260C	
Acetone	ND	23	4.6	ug/Kg	1	09/23/21	JLI	SW8260C	
Acrylonitrile	ND	9.1	0.91	ug/Kg	1	09/23/21	JLI	SW8260C	
Benzene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromobenzene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromochloromethane	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromodichloromethane	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromoform	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromomethane	ND	4.6	1.8	ug/Kg	1	09/23/21	JLI	SW8260C	
Carbon Disulfide	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C	
Carbon tetrachloride	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C	
Chlorobenzene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C	
Chloroethane	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C	
Chloroform	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C	
Chloromethane	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C	
Dibromochloromethane	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C	
Dibromomethane	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C	
Dichlorodifluoromethane	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C	
Ethylbenzene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C	
Hexachlorobutadiene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C	
Isopropylbenzene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C	

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B4 (3-5)

Phoenix I.D.: CJ33262

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl Ethyl Ketone	ND	27	4.6	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	9.1	0.91	ug/Kg	1	09/23/21	JLI	SW8260C
Methylene chloride	ND	4.6	4.6	ug/Kg	1	09/23/21	JLI	SW8260C
Naphthalene	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C
n-Butylbenzene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
n-Propylbenzene	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C
o-Xylene	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C
p-Isopropyltoluene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
sec-Butylbenzene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
Styrene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
tert-Butylbenzene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrachloroethene	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND	9.1	2.3	ug/Kg	1	09/23/21	JLI	SW8260C
Toluene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	9.1	2.3	ug/Kg	1	09/23/21	JLI	SW8260C
Trichloroethene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorofluoromethane	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
Vinyl chloride	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	96			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	97			%	1	09/23/21	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	68		ug/kg	1	09/23/21	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	96			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	97			%	1	09/23/21	JLI	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	18		ug/Kg	1	09/23/21	JLI	SW8260C
Acrolein	ND	4.6		ug/Kg	1	09/23/21	JLI	SW8260C
Acrylonitrile	ND	18		ug/Kg	1	09/23/21	JLI	SW8260C
Tert-butyl alcohol	ND	91		ug/Kg	1	09/23/21	JLI	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	09/22/21	WB	SW8270D
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Dichlorobenzene	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D
1,3-Dichlorobenzene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
1,4-Dichlorobenzene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	1	09/22/21	WB	SW8270D

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B4 (3-5)

Phoenix I.D.: CJ33262

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4,6-Trichlorophenol	ND	180	110	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dimethylphenol	ND	250	88	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	09/22/21	WB	SW8270D	
2,6-Dinitrotoluene	ND	180	110	ug/Kg	1	09/22/21	WB	SW8270D	
2-Chloronaphthalene	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D	
2-Chlorophenol	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D	
2-Methylnaphthalene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	09/22/21	WB	SW8270D	
2-Nitroaniline	ND	250	250	ug/Kg	1	09/22/21	WB	SW8270D	
2-Nitrophenol	ND	250	230	ug/Kg	1	09/22/21	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	09/22/21	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	09/22/21	WB	SW8270D	
3-Nitroaniline	ND	360	710	ug/Kg	1	09/22/21	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	210	71	ug/Kg	1	09/22/21	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chloroaniline	ND	280	170	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D	
4-Nitroaniline	ND	360	120	ug/Kg	1	09/22/21	WB	SW8270D	
4-Nitrophenol	ND	360	160	ug/Kg	1	09/22/21	WB	SW8270D	
Acenaphthene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D	
Acenaphthylene	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D	
Acetophenone	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D	
Aniline	ND	280	280	ug/Kg	1	09/22/21	WB	SW8270D	
Anthracene	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benz(a)anthracene	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzidine	ND	360	210	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(a)pyrene	ND	180	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(b)fluoranthene	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(ghi)perylene	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(k)fluoranthene	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzoic acid	ND	1800	710	ug/Kg	1	09/22/21	WB	SW8270D	
Benzyl butyl phthalate	ND	250	92	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	250	98	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	180	96	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	250	99	ug/Kg	1	09/22/21	WB	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D	
Carbazole	ND	180	140	ug/Kg	1	09/22/21	WB	SW8270D	
Chrysene	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D	
Dibenz(a,h)anthracene	ND	180	120	ug/Kg	1	09/22/21	WB	SW8270D	
Dibenzofuran	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D	
Diethyl phthalate	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D	
Dimethylphthalate	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D	
Di-n-butylphthalate	ND	250	95	ug/Kg	1	09/22/21	WB	SW8270D	
Di-n-octylphthalate	ND	250	92	ug/Kg	1	09/22/21	WB	SW8270D	
Fluoranthene	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D	
Fluorene	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D	

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B4 (3-5)

Phoenix I.D.: CJ33262

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	180	100	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	09/22/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Isophorone	ND	180	100	ug/Kg	1	09/22/21	WB	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
Nitrobenzene	ND	180	120	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	180	120	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	1	09/22/21	WB	SW8270D
Pentachloronitrobenzene	ND	250	130	ug/Kg	1	09/22/21	WB	SW8270D
Pentachlorophenol	ND	210	130	ug/Kg	1	09/22/21	WB	SW8270D
Phenanthrene	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
Phenol	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Pyrene	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Pyridine	ND	250	87	ug/Kg	1	09/22/21	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	127			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorobiphenyl	85			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorophenol	51			%	1	09/22/21	WB	30 - 130 %
% Nitrobenzene-d5	81			%	1	09/22/21	WB	30 - 130 %
% Phenol-d5	73			%	1	09/22/21	WB	30 - 130 %
% Terphenyl-d14	71			%	1	09/22/21	WB	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 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 you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
September 28, 2021
Reviewed and Released by: Ethan Lee, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 28, 2021

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/20/21	9:40
Location Code:	BRUSSEE	Received by:	CP	09/21/21	15:23
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCJ33255
Phoenix ID: CJ33263

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B6 (0-2)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.35	0.35		mg/Kg	1	09/22/21	TH	SW6010D
Aluminum	6560	35		mg/Kg	10	09/22/21	TH	SW6010D
Arsenic	4.27	0.70		mg/Kg	1	09/22/21	TH	SW6010D
Barium	200	0.7		mg/Kg	1	09/22/21	TH	SW6010D
Beryllium	0.39	0.28		mg/Kg	1	09/22/21	TH	SW6010D
Calcium	32500	35		mg/Kg	10	09/22/21	TH	SW6010D
Cadmium	0.90	0.35		mg/Kg	1	09/22/21	TH	SW6010D
Cobalt	7.55	0.35		mg/Kg	1	09/22/21	TH	SW6010D
Chromium	34.2	0.35		mg/Kg	1	09/22/21	TH	SW6010D
Copper	98.8	0.7		mg/kg	1	09/22/21	TH	SW6010D
Iron	14800	35		mg/Kg	10	09/22/21	TH	SW6010D
Mercury	0.28	0.03		mg/Kg	2	09/22/21	AP	SW7471B
Potassium	1400	7		mg/Kg	1	09/22/21	TH	SW6010D
Magnesium	5900	35		mg/Kg	10	09/22/21	TH	SW6010D
Manganese	247	3.5		mg/Kg	10	09/22/21	TH	SW6010D
Sodium	200	7		mg/Kg	1	09/22/21	TH	SW6010D
Nickel	28.5	0.35		mg/Kg	1	09/22/21	TH	SW6010D
Lead	295	0.7		mg/Kg	1	09/22/21	TH	SW6010D
Antimony	< 3.5	3.5		mg/Kg	1	09/22/21	TH	SW6010D
Selenium	< 1.4	1.4		mg/Kg	1	09/22/21	TH	SW6010D
Thallium	< 1.4	1.4		mg/Kg	1	09/22/21	TH	SW6010D
Vanadium	23.6	0.35		mg/Kg	1	09/22/21	TH	SW6010D
Zinc	304	0.7		mg/Kg	1	09/22/21	TH	SW6010D
Percent Solid	91			%		09/22/21	Q	SW846-%Solid
Soil Extraction for PCB	Completed					09/21/21	O/B/E	SW3545A
Soil Extraction for Pesticides	Completed					09/21/21	O/B/E	SW3545A
Field Extraction	Completed					09/20/21		SW5035A [1]

Ver 1

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B6 (0-2)

Phoenix I.D.: CJ33263

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					09/22/21	AB/AB	SW7471B
Soil Extraction for SVOA	Completed					09/21/21	R/K	SW3546
Total Metals Digest	Completed					09/21/21	M/AG/BF	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1221	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1232	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1242	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1248	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1254	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1260	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1262	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1268	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
QA/QC Surrogates								
% DCBP	64			%	2	09/22/21	SC	30 - 150 %
% DCBP (Confirmation)	63			%	2	09/22/21	SC	30 - 150 %
% TCMX	57			%	2	09/22/21	SC	30 - 150 %
% TCMX (Confirmation)	60			%	2	09/22/21	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	9.0	2.1		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDE	18	2.1		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDT	26	2.1		ug/Kg	2	09/22/21	AW	SW8081B
a-BHC	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
a-Chlordane	ND	5.0		ug/Kg	2	09/22/21	AW	SW8081B
Aldrin	ND	3.5		ug/Kg	2	09/22/21	AW	SW8081B
b-BHC	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Chlordane	ND	35		ug/Kg	2	09/22/21	AW	SW8081B
d-BHC	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Dieldrin	7.8	3.5		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan I	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan II	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan sulfate	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Endrin	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Endrin aldehyde	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Endrin ketone	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
g-BHC	ND	1.4		ug/Kg	2	09/22/21	AW	SW8081B
g-Chlordane	ND	5.0		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor epoxide	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Methoxychlor	ND	35		ug/Kg	2	09/22/21	AW	SW8081B
Toxaphene	ND	140		ug/Kg	2	09/22/21	AW	SW8081B
QA/QC Surrogates								
% DCBP	53			%	2	09/22/21	AW	30 - 150 %
% DCBP (Confirmation)	69			%	2	09/22/21	AW	30 - 150 %
% TCMX	56			%	2	09/22/21	AW	30 - 150 %
% TCMX (Confirmation)	58			%	2	09/22/21	AW	30 - 150 %

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B6 (0-2)

Phoenix I.D.: CJ33263

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1,1-Trichloroethane	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1,2-Trichloroethane	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1-Dichloroethane	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1-Dichloroethene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1-Dichloropropene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,3-Trichloropropane	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dibromoethane	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dichlorobenzene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dichloroethane	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dichloropropane	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C	
1,3-Dichlorobenzene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C	
1,3-Dichloropropane	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C	
1,4-Dichlorobenzene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C	
2,2-Dichloropropane	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C	
2-Chlorotoluene	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C	
2-Hexanone	ND	24	4.8	ug/Kg	1	09/23/21	JLI	SW8260C	
2-Isopropyltoluene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C	1
4-Chlorotoluene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C	
4-Methyl-2-pentanone	ND	24	4.8	ug/Kg	1	09/23/21	JLI	SW8260C	
Acetone	ND	24	4.8	ug/Kg	1	09/23/21	JLI	SW8260C	
Acrylonitrile	ND	9.7	0.97	ug/Kg	1	09/23/21	JLI	SW8260C	
Benzene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromobenzene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromochloromethane	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromodichloromethane	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromoform	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromomethane	ND	4.8	1.9	ug/Kg	1	09/23/21	JLI	SW8260C	
Carbon Disulfide	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C	
Carbon tetrachloride	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C	
Chlorobenzene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C	
Chloroethane	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C	
Chloroform	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C	
Chloromethane	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C	
Dibromochloromethane	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C	
Dibromomethane	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C	
Dichlorodifluoromethane	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C	
Ethylbenzene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C	
Hexachlorobutadiene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C	
Isopropylbenzene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C	

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B6 (0-2)

Phoenix I.D.: CJ33263

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl Ethyl Ketone	ND	29	4.8	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	9.7	0.97	ug/Kg	1	09/23/21	JLI	SW8260C
Methylene chloride	ND	4.8	4.8	ug/Kg	1	09/23/21	JLI	SW8260C
Naphthalene	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C
n-Butylbenzene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
n-Propylbenzene	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C
o-Xylene	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C
p-Isopropyltoluene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
sec-Butylbenzene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
Styrene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
tert-Butylbenzene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrachloroethene	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND	9.7	2.4	ug/Kg	1	09/23/21	JLI	SW8260C
Toluene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	9.7	2.4	ug/Kg	1	09/23/21	JLI	SW8260C
Trichloroethene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorofluoromethane	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
Vinyl chloride	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/23/21	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	73		ug/kg	1	09/23/21	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/23/21	JLI	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	19		ug/Kg	1	09/23/21	JLI	SW8260C
Acrolein	ND	4.8		ug/Kg	1	09/23/21	JLI	SW8260C
Acrylonitrile	ND	19		ug/Kg	1	09/23/21	JLI	SW8260C
Tert-butyl alcohol	ND	97		ug/Kg	1	09/23/21	JLI	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	09/22/21	WB	SW8270D
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Dichlorobenzene	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D
1,3-Dichlorobenzene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
1,4-Dichlorobenzene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	1	09/22/21	WB	SW8270D

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B6 (0-2)

Phoenix I.D.: CJ33263

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4,6-Trichlorophenol	ND		180	110	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dichlorophenol	ND		180	130	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dimethylphenol	ND		250	89	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dinitrophenol	ND		250	250	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dinitrotoluene	ND		180	140	ug/Kg	1	09/22/21	WB	SW8270D	
2,6-Dinitrotoluene	ND		180	110	ug/Kg	1	09/22/21	WB	SW8270D	
2-Chloronaphthalene	ND		250	100	ug/Kg	1	09/22/21	WB	SW8270D	
2-Chlorophenol	ND		250	100	ug/Kg	1	09/22/21	WB	SW8270D	
2-Methylnaphthalene	ND		250	110	ug/Kg	1	09/22/21	WB	SW8270D	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	1	09/22/21	WB	SW8270D	
2-Nitroaniline	ND		250	250	ug/Kg	1	09/22/21	WB	SW8270D	
2-Nitrophenol	ND		250	230	ug/Kg	1	09/22/21	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	1	09/22/21	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND		180	170	ug/Kg	1	09/22/21	WB	SW8270D	
3-Nitroaniline	ND		360	710	ug/Kg	1	09/22/21	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND		210	71	ug/Kg	1	09/22/21	WB	SW8270D	
4-Bromophenyl phenyl ether	ND		250	110	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chloro-3-methylphenol	ND		250	130	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chloroaniline	ND		290	170	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	1	09/22/21	WB	SW8270D	
4-Nitroaniline	ND		360	120	ug/Kg	1	09/22/21	WB	SW8270D	
4-Nitrophenol	ND		360	160	ug/Kg	1	09/22/21	WB	SW8270D	
Acenaphthene	ND		250	110	ug/Kg	1	09/22/21	WB	SW8270D	
Acenaphthylene	ND		250	100	ug/Kg	1	09/22/21	WB	SW8270D	
Acetophenone	ND		250	110	ug/Kg	1	09/22/21	WB	SW8270D	
Aniline	ND		290	290	ug/Kg	1	09/22/21	WB	SW8270D	
Anthracene	210	J	250	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benz(a)anthracene	760		250	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzidine	ND		360	210	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(a)pyrene	770		180	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(b)fluoranthene	780		250	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(ghi)perylene	460		250	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(k)fluoranthene	770		250	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzoic acid	ND		1800	710	ug/Kg	1	09/22/21	WB	SW8270D	
Benzyl butyl phthalate	ND		250	92	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND		250	99	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroethyl)ether	ND		180	96	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND		250	99	ug/Kg	1	09/22/21	WB	SW8270D	1
Bis(2-ethylhexyl)phthalate	170	J	250	100	ug/Kg	1	09/22/21	WB	SW8270D	
Carbazole	ND		180	140	ug/Kg	1	09/22/21	WB	SW8270D	
Chrysene	810		250	120	ug/Kg	1	09/22/21	WB	SW8270D	
Dibenz(a,h)anthracene	130	J	180	120	ug/Kg	1	09/22/21	WB	SW8270D	
Dibenzofuran	ND		250	100	ug/Kg	1	09/22/21	WB	SW8270D	
Diethyl phthalate	ND		250	110	ug/Kg	1	09/22/21	WB	SW8270D	
Dimethylphthalate	ND		250	110	ug/Kg	1	09/22/21	WB	SW8270D	
Di-n-butylphthalate	ND		250	95	ug/Kg	1	09/22/21	WB	SW8270D	
Di-n-octylphthalate	ND		250	92	ug/Kg	1	09/22/21	WB	SW8270D	
Fluoranthene	1200		250	120	ug/Kg	1	09/22/21	WB	SW8270D	
Fluorene	ND		250	120	ug/Kg	1	09/22/21	WB	SW8270D	

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B6 (0-2)

Phoenix I.D.: CJ33263

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	180	100	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	09/22/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	490	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Isophorone	ND	180	100	ug/Kg	1	09/22/21	WB	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
Nitrobenzene	ND	180	130	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	180	120	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	1	09/22/21	WB	SW8270D
Pentachloronitrobenzene	ND	250	130	ug/Kg	1	09/22/21	WB	SW8270D
Pentachlorophenol	ND	210	140	ug/Kg	1	09/22/21	WB	SW8270D
Phenanthrene	860	250	100	ug/Kg	1	09/22/21	WB	SW8270D
Phenol	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Pyrene	990	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Pyridine	ND	250	88	ug/Kg	1	09/22/21	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	120			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorobiphenyl	87			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorophenol	48			%	1	09/22/21	WB	30 - 130 %
% Nitrobenzene-d5	81			%	1	09/22/21	WB	30 - 130 %
% Phenol-d5	70			%	1	09/22/21	WB	30 - 130 %
% Terphenyl-d14	73			%	1	09/22/21	WB	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.

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 you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

September 28, 2021

Reviewed and Released by: Ethan Lee, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 28, 2021

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/20/21	9:50
Location Code:	BRUSSEE	Received by:	CP	09/21/21	15:23
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCJ33255
Phoenix ID: CJ33264

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B6 (3-5)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	0.40	0.35		mg/Kg	1	09/22/21	EK	SW6010D
Aluminum	9150	35		mg/Kg	10	09/22/21	EK	SW6010D
Arsenic	7.58	0.70		mg/Kg	1	09/22/21	EK	SW6010D
Barium	1540	7.0		mg/Kg	10	09/22/21	EK	SW6010D
Beryllium	0.37	0.28		mg/Kg	1	09/22/21	EK	SW6010D
Calcium	23800	35		mg/Kg	10	09/22/21	EK	SW6010D
Cadmium	2.58	0.35		mg/Kg	1	09/22/21	EK	SW6010D
Cobalt	8.59	0.35		mg/Kg	1	09/22/21	EK	SW6010D
Chromium	26.7	0.35		mg/Kg	1	09/22/21	EK	SW6010D
Copper	128	0.7		mg/kg	1	09/22/21	EK	SW6010D
Iron	24600	35		mg/Kg	10	09/22/21	EK	SW6010D
Mercury	1.66	0.06		mg/Kg	4	09/22/21	AP	SW7471B
Potassium	1560	7		mg/Kg	1	09/22/21	EK	SW6010D
Magnesium	3670	3.5		mg/Kg	1	09/22/21	EK	SW6010D
Manganese	407	3.5		mg/Kg	10	09/22/21	EK	SW6010D
Sodium	284	7		mg/Kg	1	09/22/21	EK	SW6010D
Nickel	23.4	0.35		mg/Kg	1	09/22/21	EK	SW6010D
Lead	951	7.0		mg/Kg	10	09/22/21	EK	SW6010D
Antimony	< 3.5	3.5		mg/Kg	1	09/22/21	EK	SW6010D
Selenium	< 1.4	1.4		mg/Kg	1	09/22/21	EK	SW6010D
Thallium	< 1.4	1.4		mg/Kg	1	09/22/21	EK	SW6010D
Vanadium	55.6	0.35		mg/Kg	1	09/22/21	EK	SW6010D
Zinc	873	7.0		mg/Kg	10	09/22/21	EK	SW6010D
Percent Solid	88			%		09/21/21	Q	SW846-%Solid
Soil Extraction for PCB	Completed					09/21/21	O/B/E	SW3545A
Soil Extraction for Pesticides	Completed					09/21/21	O/B/E	SW3545A
Field Extraction	Completed					09/20/21		SW5035A [1]

Ver 1

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B6 (3-5)

Phoenix I.D.: CJ33264

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					09/22/21	AB/AB	SW7471B
Soil Extraction for SVOA	Completed					09/21/21	R/K	SW3546
Total Metals Digest	Completed					09/21/21	M/AG/BF	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	740	740	ug/Kg	20	09/23/21	SC	SW8082A
PCB-1221	ND	740	740	ug/Kg	20	09/23/21	SC	SW8082A
PCB-1232	ND	740	740	ug/Kg	20	09/23/21	SC	SW8082A
PCB-1242	ND	740	740	ug/Kg	20	09/23/21	SC	SW8082A
PCB-1248	ND	740	740	ug/Kg	20	09/23/21	SC	SW8082A
PCB-1254	5700	740	740	ug/Kg	20	09/23/21	SC	SW8082A
PCB-1260	ND	740	740	ug/Kg	20	09/23/21	SC	SW8082A
PCB-1262	ND	740	740	ug/Kg	20	09/23/21	SC	SW8082A
PCB-1268	ND	740	740	ug/Kg	20	09/23/21	SC	SW8082A
QA/QC Surrogates								
% DCBP	87			%	20	09/23/21	SC	30 - 150 %
% DCBP (Confirmation)	89			%	20	09/23/21	SC	30 - 150 %
% TCMX	70			%	20	09/23/21	SC	30 - 150 %
% TCMX (Confirmation)	69			%	20	09/23/21	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	50		ug/Kg	10	09/22/21	AW	SW8081B
4,4' -DDE	ND	110		ug/Kg	10	09/22/21	AW	SW8081B
4,4' -DDT	ND	500		ug/Kg	10	09/22/21	AW	SW8081B
a-BHC	ND	7.4		ug/Kg	10	09/22/21	AW	SW8081B
a-Chlordane	ND	100		ug/Kg	10	09/22/21	AW	SW8081B
Aldrin	ND	7.4		ug/Kg	10	09/22/21	AW	SW8081B
b-BHC	ND	7.4		ug/Kg	10	09/22/21	AW	SW8081B
Chlordane	ND	190		ug/Kg	10	09/22/21	AW	SW8081B
d-BHC	ND	37		ug/Kg	10	09/22/21	AW	SW8081B
Dieldrin	ND	7.4		ug/Kg	10	09/22/21	AW	SW8081B
Endosulfan I	ND	37		ug/Kg	10	09/22/21	AW	SW8081B
Endosulfan II	ND	37		ug/Kg	10	09/22/21	AW	SW8081B
Endosulfan sulfate	ND	37		ug/Kg	10	09/22/21	AW	SW8081B
Endrin	ND	19		ug/Kg	10	09/22/21	AW	SW8081B
Endrin aldehyde	ND	75		ug/Kg	10	09/22/21	AW	SW8081B
Endrin ketone	ND	37		ug/Kg	10	09/22/21	AW	SW8081B
g-BHC	ND	7.4		ug/Kg	10	09/22/21	AW	SW8081B
g-Chlordane	ND	19		ug/Kg	10	09/22/21	AW	SW8081B
Heptachlor	ND	37		ug/Kg	10	09/22/21	AW	SW8081B
Heptachlor epoxide	ND	37		ug/Kg	10	09/22/21	AW	SW8081B
Methoxychlor	ND	190		ug/Kg	10	09/22/21	AW	SW8081B
Toxaphene	ND	740		ug/Kg	10	09/22/21	AW	SW8081B
QA/QC Surrogates								
% DCBP	62			%	10	09/22/21	AW	30 - 150 %
% DCBP (Confirmation)	71			%	10	09/22/21	AW	30 - 150 %
% TCMX	61			%	10	09/22/21	AW	30 - 150 %
% TCMX (Confirmation)	59			%	10	09/22/21	AW	30 - 150 %

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B6 (3-5)

Phoenix I.D.: CJ33264

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1,1-Trichloroethane	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1,2-Trichloroethane	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1-Dichloroethane	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1-Dichloroethene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1-Dichloropropene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,3-Trichloropropane	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dibromoethane	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dichlorobenzene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dichloroethane	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dichloropropane	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C	
1,3-Dichlorobenzene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C	
1,3-Dichloropropane	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C	
1,4-Dichlorobenzene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C	
2,2-Dichloropropane	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C	
2-Chlorotoluene	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C	
2-Hexanone	ND	41	8.1	ug/Kg	1	09/23/21	JLI	SW8260C	
2-Isopropyltoluene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C	1
4-Chlorotoluene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C	
4-Methyl-2-pentanone	ND	41	8.1	ug/Kg	1	09/23/21	JLI	SW8260C	
Acetone	ND	41	8.1	ug/Kg	1	09/23/21	JLI	SW8260C	
Acrylonitrile	ND	16	1.6	ug/Kg	1	09/23/21	JLI	SW8260C	
Benzene	140	60	37	ug/Kg	50	09/23/21	JLI	SW8260C	
Bromobenzene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromochloromethane	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromodichloromethane	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromoform	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromomethane	ND	8.1	3.3	ug/Kg	1	09/23/21	JLI	SW8260C	
Carbon Disulfide	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C	
Carbon tetrachloride	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C	
Chlorobenzene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C	
Chloroethane	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C	
Chloroform	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C	
Chloromethane	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C	
Dibromochloromethane	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C	
Dibromomethane	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C	
Dichlorodifluoromethane	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C	
Ethylbenzene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C	
Hexachlorobutadiene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C	
Isopropylbenzene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl Ethyl Ketone	ND	49	8.1	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	16	1.6	ug/Kg	1	09/23/21	JLI	SW8260C
Methylene chloride	ND	8.1	8.1	ug/Kg	1	09/23/21	JLI	SW8260C
Naphthalene	210	190	74	ug/Kg	50	09/23/21	JLI	SW8260C
n-Butylbenzene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
n-Propylbenzene	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C
o-Xylene	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C
p-Isopropyltoluene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
sec-Butylbenzene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
Styrene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
tert-Butylbenzene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrachloroethene	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND	16	4.1	ug/Kg	1	09/23/21	JLI	SW8260C
Toluene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	16	4.1	ug/Kg	1	09/23/21	JLI	SW8260C
Trichloroethene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorofluoromethane	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorotrifluoroethane	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
Vinyl chloride	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	91			%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	93			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/23/21	JLI	70 - 130 %
% 1,2-dichlorobenzene-d4 (50x)	99			%	50	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene (50x)	93			%	50	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane (50x)	90			%	50	09/23/21	JLI	70 - 130 %
% Toluene-d8 (50x)	96			%	50	09/23/21	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100		ug/kg	1	09/23/21	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	91			%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	93			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/23/21	JLI	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	33		ug/Kg	1	09/23/21	JLI	SW8260C
Acrolein	ND	8.1		ug/Kg	1	09/23/21	JLI	SW8260C
Acrylonitrile	ND	33		ug/Kg	1	09/23/21	JLI	SW8260C
Tert-butyl alcohol	ND	160		ug/Kg	1	09/23/21	JLI	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	09/22/21	WB	SW8270D
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Dichlorobenzene	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B6 (3-5)

Phoenix I.D.: CJ33264

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D	
1,3-Dichlorobenzene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D	
1,4-Dichlorobenzene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D	
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	1	09/22/21	WB	SW8270D	
2,4,6-Trichlorophenol	ND	180	120	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dimethylphenol	ND	260	91	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	09/22/21	WB	SW8270D	
2,6-Dinitrotoluene	ND	180	120	ug/Kg	1	09/22/21	WB	SW8270D	
2-Chloronaphthalene	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D	
2-Chlorophenol	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D	
2-Methylnaphthalene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	1	09/22/21	WB	SW8270D	
2-Nitroaniline	ND	260	260	ug/Kg	1	09/22/21	WB	SW8270D	
2-Nitrophenol	ND	260	230	ug/Kg	1	09/22/21	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	260	140	ug/Kg	1	09/22/21	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	09/22/21	WB	SW8270D	
3-Nitroaniline	ND	370	740	ug/Kg	1	09/22/21	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	220	74	ug/Kg	1	09/22/21	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chloroaniline	ND	290	170	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D	
4-Nitroaniline	ND	370	120	ug/Kg	1	09/22/21	WB	SW8270D	
4-Nitrophenol	ND	370	170	ug/Kg	1	09/22/21	WB	SW8270D	
Acenaphthene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D	
Acenaphthylene	890	260	100	ug/Kg	1	09/22/21	WB	SW8270D	
Acetophenone	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D	
Aniline	ND	290	290	ug/Kg	1	09/22/21	WB	SW8270D	
Anthracene	440	260	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benz(a)anthracene	2000	260	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzidine	ND	370	220	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(a)pyrene	1800	180	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(b)fluoranthene	2000	260	130	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(ghi)perylene	1400	260	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(k)fluoranthene	1800	260	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzoic acid	ND	1800	740	ug/Kg	1	09/22/21	WB	SW8270D	
Benzyl butyl phthalate	ND	260	95	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	180	99	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D	
Carbazole	230	180	150	ug/Kg	1	09/22/21	WB	SW8270D	
Chrysene	2100	260	120	ug/Kg	1	09/22/21	WB	SW8270D	
Dibenz(a,h)anthracene	370	180	120	ug/Kg	1	09/22/21	WB	SW8270D	
Dibenzofuran	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D	
Diethyl phthalate	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D	
Dimethylphthalate	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D	

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B6 (3-5)

Phoenix I.D.: CJ33264

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Di-n-butylphthalate	ND		260	98	ug/Kg	1	09/22/21	WB	SW8270D
Di-n-octylphthalate	ND		260	95	ug/Kg	1	09/22/21	WB	SW8270D
Fluoranthene	3900		260	120	ug/Kg	1	09/22/21	WB	SW8270D
Fluorene	140	J	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorobenzene	ND		180	110	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorobutadiene	ND		260	130	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorocyclopentadiene	ND		260	110	ug/Kg	1	09/22/21	WB	SW8270D
Hexachloroethane	ND		180	110	ug/Kg	1	09/22/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	1500		260	120	ug/Kg	1	09/22/21	WB	SW8270D
Isophorone	ND		180	100	ug/Kg	1	09/22/21	WB	SW8270D
Naphthalene	110	J	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Nitrobenzene	ND		180	130	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodimethylamine	ND		260	100	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodi-n-propylamine	ND		180	120	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodiphenylamine	ND		260	140	ug/Kg	1	09/22/21	WB	SW8270D
Pentachloronitrobenzene	ND		260	140	ug/Kg	1	09/22/21	WB	SW8270D
Pentachlorophenol	ND		220	140	ug/Kg	1	09/22/21	WB	SW8270D
Phenanthrene	2400		260	110	ug/Kg	1	09/22/21	WB	SW8270D
Phenol	ND		260	120	ug/Kg	1	09/22/21	WB	SW8270D
Pyrene	2800		260	130	ug/Kg	1	09/22/21	WB	SW8270D
Pyridine	ND		260	90	ug/Kg	1	09/22/21	WB	SW8270D
QA/QC Surrogates									
% 2,4,6-Tribromophenol	129				%	1	09/22/21	WB	30 - 130 %
% 2-Fluorobiphenyl	82				%	1	09/22/21	WB	30 - 130 %
% 2-Fluorophenol	49				%	1	09/22/21	WB	30 - 130 %
% Nitrobenzene-d5	81				%	1	09/22/21	WB	30 - 130 %
% Phenol-d5	72				%	1	09/22/21	WB	30 - 130 %
% Terphenyl-d14	81				%	1	09/22/21	WB	30 - 130 %

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.

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.

Pesticide Comment:
Due to matrix interference caused by the presence of suspected PCBs in the sample, an elevated RL was reported.

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

September 28, 2021

Reviewed and Released by: Ethan Lee, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 28, 2021

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/20/21	10:00
Location Code:	BRUSSEE	Received by:	CP	09/21/21	15:23
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCJ33255
Phoenix ID: CJ33265

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B5 (0-2)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	2.38	0.36		mg/Kg	1	09/22/21	EK	SW6010D
Aluminum	7120	36		mg/Kg	10	09/22/21	EK	SW6010D
Arsenic	23.6	0.73		mg/Kg	1	09/22/21	EK	SW6010D
Barium	1330	0.7		mg/Kg	1	09/22/21	EK	SW6010D
Beryllium	0.33	0.29		mg/Kg	1	09/22/21	EK	SW6010D
Calcium	26200	36		mg/Kg	10	09/22/21	EK	SW6010D
Cadmium	67.9	0.36		mg/Kg	1	09/22/21	EK	SW6010D
Cobalt	22.9	0.36		mg/Kg	1	09/22/21	EK	SW6010D
Chromium	138	0.36		mg/Kg	1	09/22/21	EK	SW6010D
Copper	476	7.3		mg/kg	10	09/22/21	EK	SW6010D
Iron	86100	36		mg/Kg	10	09/22/21	EK	SW6010D
Mercury	8.05	1.5		mg/Kg	100	09/22/21	AP	SW7471B
Potassium	1510	7		mg/Kg	1	09/22/21	EK	SW6010D
Magnesium	4230	3.6		mg/Kg	1	09/22/21	EK	SW6010D
Manganese	590	3.6		mg/Kg	10	09/22/21	EK	SW6010D
Sodium	535	7		mg/Kg	1	09/22/21	EK	SW6010D
Nickel	91.4	0.36		mg/Kg	1	09/22/21	EK	SW6010D
Lead	6970	7.3		mg/Kg	10	09/22/21	EK	SW6010D
Antimony	44.0	3.6		mg/Kg	1	09/22/21	EK	SW6010D
Selenium	2.1	1.5		mg/Kg	1	09/22/21	EK	SW6010D
Thallium	< 1.5	1.5		mg/Kg	1	09/22/21	EK	SW6010D
Vanadium	91.3	0.36		mg/Kg	1	09/22/21	EK	SW6010D
Zinc	4610	73		mg/Kg	100	09/23/21	TH	SW6010D
Percent Solid	85			%		09/21/21	Q	SW846-%Solid
Soil Extraction for PCB	Completed					09/21/21	O/B/E	SW3545A
Soil Extraction for Pesticides	Completed					09/21/21	O/B/E	SW3545A
Field Extraction	Completed					09/20/21		SW5035A 1

Ver 1

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B5 (0-2)

Phoenix I.D.: CJ33265

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					09/22/21	AB/AB	SW7471B
Soil Extraction for SVOA	Completed					09/21/21	R/K	SW3546
Total Metals Digest	Completed					09/21/21	M/AG/BF	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	770	770	ug/Kg	20	09/23/21	SC	SW8082A
PCB-1221	ND	770	770	ug/Kg	20	09/23/21	SC	SW8082A
PCB-1232	ND	770	770	ug/Kg	20	09/23/21	SC	SW8082A
PCB-1242	ND	770	770	ug/Kg	20	09/23/21	SC	SW8082A
PCB-1248	ND	770	770	ug/Kg	20	09/23/21	SC	SW8082A
PCB-1254	1900	770	770	ug/Kg	20	09/23/21	SC	SW8082A
PCB-1260	ND	770	770	ug/Kg	20	09/23/21	SC	SW8082A
PCB-1262	ND	770	770	ug/Kg	20	09/23/21	SC	SW8082A
PCB-1268	ND	770	770	ug/Kg	20	09/23/21	SC	SW8082A
QA/QC Surrogates								
% DCBP	87			%	20	09/23/21	SC	30 - 150 %
% DCBP (Confirmation)	65			%	20	09/23/21	SC	30 - 150 %
% TCMX	67			%	20	09/23/21	SC	30 - 150 %
% TCMX (Confirmation)	81			%	20	09/23/21	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	450		ug/Kg	10	09/22/21	AW	SW8081B
4,4' -DDE	ND	80		ug/Kg	10	09/22/21	AW	SW8081B
4,4' -DDT	ND	50		ug/Kg	10	09/22/21	AW	SW8081B
a-BHC	ND	38		ug/Kg	10	09/22/21	AW	SW8081B
a-Chlordane	ND	19		ug/Kg	10	09/22/21	AW	SW8081B
Aldrin	ND	19		ug/Kg	10	09/22/21	AW	SW8081B
b-BHC	ND	38		ug/Kg	10	09/22/21	AW	SW8081B
Chlordane	ND	190		ug/Kg	10	09/22/21	AW	SW8081B
d-BHC	ND	38		ug/Kg	10	09/22/21	AW	SW8081B
Dieldrin	ND	30		ug/Kg	10	09/22/21	AW	SW8081B
Endosulfan I	ND	38		ug/Kg	10	09/22/21	AW	SW8081B
Endosulfan II	ND	38		ug/Kg	10	09/22/21	AW	SW8081B
Endosulfan sulfate	ND	38		ug/Kg	10	09/22/21	AW	SW8081B
Endrin	ND	38		ug/Kg	10	09/22/21	AW	SW8081B
Endrin aldehyde	ND	38		ug/Kg	10	09/22/21	AW	SW8081B
Endrin ketone	ND	50		ug/Kg	10	09/22/21	AW	SW8081B
g-BHC	ND	7.7		ug/Kg	10	09/22/21	AW	SW8081B
g-Chlordane	ND	19		ug/Kg	10	09/22/21	AW	SW8081B
Heptachlor	ND	38		ug/Kg	10	09/22/21	AW	SW8081B
Heptachlor epoxide	ND	38		ug/Kg	10	09/22/21	AW	SW8081B
Methoxychlor	ND	190		ug/Kg	10	09/22/21	AW	SW8081B
Toxaphene	ND	770		ug/Kg	10	09/22/21	AW	SW8081B
QA/QC Surrogates								
% DCBP	43			%	10	09/22/21	AW	30 - 150 %
% DCBP (Confirmation)	92			%	10	09/22/21	AW	30 - 150 %
% TCMX	61			%	10	09/22/21	AW	30 - 150 %
% TCMX (Confirmation)	79			%	10	09/22/21	AW	30 - 150 %

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B5 (0-2)

Phoenix I.D.: CJ33265

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1,1-Trichloroethane	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND		5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1,2-Trichloroethane	ND		5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1-Dichloroethane	ND		5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1-Dichloroethene	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1-Dichloropropene	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,3-Trichloropropane	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dibromoethane	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dichlorobenzene	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dichloroethane	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dichloropropane	ND		5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C	
1,3-Dichlorobenzene	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C	
1,3-Dichloropropane	ND		5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C	
1,4-Dichlorobenzene	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C	
2,2-Dichloropropane	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C	
2-Chlorotoluene	ND		5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C	
2-Hexanone	ND		30	5.9	ug/Kg	1	09/23/21	JLI	SW8260C	
2-Isopropyltoluene	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C	1
4-Chlorotoluene	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C	
4-Methyl-2-pentanone	ND		30	5.9	ug/Kg	1	09/23/21	JLI	SW8260C	
Acetone	19	JS	30	5.9	ug/Kg	1	09/23/21	JLI	SW8260C	
Acrylonitrile	ND		12	1.2	ug/Kg	1	09/23/21	JLI	SW8260C	
Benzene	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromobenzene	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromochloromethane	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromodichloromethane	ND		5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromoform	ND		5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromomethane	ND		5.9	2.4	ug/Kg	1	09/23/21	JLI	SW8260C	
Carbon Disulfide	2.2	J	5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C	
Carbon tetrachloride	ND		5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C	
Chlorobenzene	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C	
Chloroethane	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C	
Chloroform	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C	
Chloromethane	ND		5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C	
Dibromochloromethane	ND		5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C	
Dibromomethane	ND		5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C	
Dichlorodifluoromethane	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C	
Ethylbenzene	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C	
Hexachlorobutadiene	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C	
Isopropylbenzene	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND		5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl Ethyl Ketone	ND		36	5.9	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		12	1.2	ug/Kg	1	09/23/21	JLI	SW8260C
Methylene chloride	ND		5.9	5.9	ug/Kg	1	09/23/21	JLI	SW8260C
Naphthalene	ND		5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C
n-Butylbenzene	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
n-Propylbenzene	ND		5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C
o-Xylene	ND		5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C
p-Isopropyltoluene	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
sec-Butylbenzene	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
Styrene	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
tert-Butylbenzene	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrachloroethene	ND		5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND		12	3.0	ug/Kg	1	09/23/21	JLI	SW8260C
Toluene	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND		12	3.0	ug/Kg	1	09/23/21	JLI	SW8260C
Trichloroethene	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorofluoromethane	ND		5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorotrifluoroethane	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
Vinyl chloride	ND		5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100				%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	94				%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	95				%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	98				%	1	09/23/21	JLI	70 - 130 %
1,4-dioxane									
1,4-dioxane	ND		89		ug/kg	1	09/23/21	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100				%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	94				%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	95				%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	98				%	1	09/23/21	JLI	70 - 130 %
Volatiles									
1,1,1,2-Tetrachloroethane	ND		24		ug/Kg	1	09/23/21	JLI	SW8260C
Acrolein	ND		5.9		ug/Kg	1	09/23/21	JLI	SW8260C
Acrylonitrile	ND		24		ug/Kg	1	09/23/21	JLI	SW8260C
Tert-butyl alcohol	ND		120		ug/Kg	1	09/23/21	JLI	SW8260C
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND		270	130	ug/Kg	1	09/22/21	WB	SW8270D
1,2,4-Trichlorobenzene	220	J	270	110	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Dichlorobenzene	ND		270	110	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Diphenylhydrazine	ND		270	120	ug/Kg	1	09/22/21	WB	SW8270D
1,3-Dichlorobenzene	ND		270	110	ug/Kg	1	09/22/21	WB	SW8270D
1,4-Dichlorobenzene	ND		270	110	ug/Kg	1	09/22/21	WB	SW8270D
2,4,5-Trichlorophenol	ND		270	210	ug/Kg	1	09/22/21	WB	SW8270D

Project ID: 188 E 135TH ST BRONX NY
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Phoenix I.D.: CJ33265

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4,6-Trichlorophenol	ND		190	120	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dichlorophenol	ND		190	130	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dimethylphenol	ND		270	94	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dinitrophenol	ND		270	270	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dinitrotoluene	ND		190	150	ug/Kg	1	09/22/21	WB	SW8270D	
2,6-Dinitrotoluene	ND		190	120	ug/Kg	1	09/22/21	WB	SW8270D	
2-Chloronaphthalene	ND		270	110	ug/Kg	1	09/22/21	WB	SW8270D	
2-Chlorophenol	ND		270	110	ug/Kg	1	09/22/21	WB	SW8270D	
2-Methylnaphthalene	290		270	110	ug/Kg	1	09/22/21	WB	SW8270D	
2-Methylphenol (o-cresol)	ND		270	180	ug/Kg	1	09/22/21	WB	SW8270D	
2-Nitroaniline	ND		270	270	ug/Kg	1	09/22/21	WB	SW8270D	
2-Nitrophenol	ND		270	240	ug/Kg	1	09/22/21	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		270	150	ug/Kg	1	09/22/21	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND		190	180	ug/Kg	1	09/22/21	WB	SW8270D	
3-Nitroaniline	ND		380	760	ug/Kg	1	09/22/21	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND		230	76	ug/Kg	1	09/22/21	WB	SW8270D	
4-Bromophenyl phenyl ether	ND		270	110	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chloro-3-methylphenol	ND		270	130	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chloroaniline	ND		300	180	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND		270	130	ug/Kg	1	09/22/21	WB	SW8270D	
4-Nitroaniline	ND		380	130	ug/Kg	1	09/22/21	WB	SW8270D	
4-Nitrophenol	ND		380	170	ug/Kg	1	09/22/21	WB	SW8270D	
Acenaphthene	260	J	270	120	ug/Kg	1	09/22/21	WB	SW8270D	
Acenaphthylene	1200		270	110	ug/Kg	1	09/22/21	WB	SW8270D	
Acetophenone	ND		270	120	ug/Kg	1	09/22/21	WB	SW8270D	
Aniline	ND		300	300	ug/Kg	1	09/22/21	WB	SW8270D	
Anthracene	1100		270	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benz(a)anthracene	3500		270	130	ug/Kg	1	09/22/21	WB	SW8270D	
Benzidine	ND		380	220	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(a)pyrene	3700		190	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(b)fluoranthene	4000		270	130	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(ghi)perylene	2700		270	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(k)fluoranthene	3600		270	130	ug/Kg	1	09/22/21	WB	SW8270D	
Benzoic acid	ND		1900	760	ug/Kg	1	09/22/21	WB	SW8270D	
Benzyl butyl phthalate	ND		270	98	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND		270	100	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroethyl)ether	ND		190	100	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND		270	110	ug/Kg	1	09/22/21	WB	SW8270D	1
Bis(2-ethylhexyl)phthalate	580		270	110	ug/Kg	1	09/22/21	WB	SW8270D	
Carbazole	340		190	150	ug/Kg	1	09/22/21	WB	SW8270D	
Chrysene	3900		270	130	ug/Kg	1	09/22/21	WB	SW8270D	
Dibenz(a,h)anthracene	640		190	120	ug/Kg	1	09/22/21	WB	SW8270D	
Dibenzofuran	330		270	110	ug/Kg	1	09/22/21	WB	SW8270D	
Diethyl phthalate	ND		270	120	ug/Kg	1	09/22/21	WB	SW8270D	
Dimethylphthalate	ND		270	120	ug/Kg	1	09/22/21	WB	SW8270D	
Di-n-butylphthalate	140	J	270	100	ug/Kg	1	09/22/21	WB	SW8270D	
Di-n-octylphthalate	ND		270	98	ug/Kg	1	09/22/21	WB	SW8270D	
Fluoranthene	7500		270	120	ug/Kg	1	09/22/21	WB	SW8270D	
Fluorene	380		270	130	ug/Kg	1	09/22/21	WB	SW8270D	

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B5 (0-2)

Phoenix I.D.: CJ33265

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	190	110	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorobutadiene	ND	270	140	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorocyclopentadiene	ND	270	120	ug/Kg	1	09/22/21	WB	SW8270D
Hexachloroethane	ND	190	110	ug/Kg	1	09/22/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	2800	270	130	ug/Kg	1	09/22/21	WB	SW8270D
Isophorone	ND	190	110	ug/Kg	1	09/22/21	WB	SW8270D
Naphthalene	590	270	110	ug/Kg	1	09/22/21	WB	SW8270D
Nitrobenzene	ND	190	130	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodimethylamine	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	190	120	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodiphenylamine	ND	270	150	ug/Kg	1	09/22/21	WB	SW8270D
Pentachloronitrobenzene	ND	270	140	ug/Kg	1	09/22/21	WB	SW8270D
Pentachlorophenol	ND	230	140	ug/Kg	1	09/22/21	WB	SW8270D
Phenanthrene	3000	270	110	ug/Kg	1	09/22/21	WB	SW8270D
Phenol	ND	270	120	ug/Kg	1	09/22/21	WB	SW8270D
Pyrene	6400	270	130	ug/Kg	1	09/22/21	WB	SW8270D
Pyridine	ND	270	93	ug/Kg	1	09/22/21	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	83			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorobiphenyl	70			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorophenol	50			%	1	09/22/21	WB	30 - 130 %
% Nitrobenzene-d5	83			%	1	09/22/21	WB	30 - 130 %
% Phenol-d5	71			%	1	09/22/21	WB	30 - 130 %
% Terphenyl-d14	73			%	1	09/22/21	WB	30 - 130 %

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B5 (0-2)

Phoenix I.D.: CJ33265

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.

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.

Pesticide Comment:
Due to matrix interference caused by the presence of suspected PCBs in the sample, an elevated RL was reported.

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

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

September 28, 2021

Reviewed and Released by: Ethan Lee, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 28, 2021

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/20/21	10:05
Location Code:	BRUSSEE	Received by:	CP	09/21/21	15:23
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCJ33255
Phoenix ID: CJ33266

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B5 (3-5)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.34	0.34		mg/Kg	1	09/22/21	EK	SW6010D
Aluminum	8730	34		mg/Kg	10	09/22/21	EK	SW6010D
Arsenic	6.27	0.67		mg/Kg	1	09/22/21	EK	SW6010D
Barium	139	0.7		mg/Kg	1	09/22/21	EK	SW6010D
Beryllium	0.42	0.27		mg/Kg	1	09/22/21	EK	SW6010D
Calcium	7310	3.4		mg/Kg	1	09/22/21	EK	SW6010D
Cadmium	0.49	0.34		mg/Kg	1	09/22/21	EK	SW6010D
Cobalt	9.48	0.34		mg/Kg	1	09/22/21	EK	SW6010D
Chromium	18.0	0.34		mg/Kg	1	09/22/21	EK	SW6010D
Copper	35.6	0.7		mg/kg	1	09/22/21	EK	SW6010D
Iron	22100	34		mg/Kg	10	09/22/21	EK	SW6010D
Mercury	0.21	0.03		mg/Kg	2	09/22/21	AP	SW7471B
Potassium	2070	7		mg/Kg	1	09/22/21	EK	SW6010D
Magnesium	3100	3.4		mg/Kg	1	09/22/21	EK	SW6010D
Manganese	270	3.4		mg/Kg	10	09/22/21	EK	SW6010D
Sodium	157	7		mg/Kg	1	09/22/21	EK	SW6010D
Nickel	16.9	0.34		mg/Kg	1	09/22/21	EK	SW6010D
Lead	289	0.7		mg/Kg	1	09/22/21	EK	SW6010D
Antimony	< 3.4	3.4		mg/Kg	1	09/22/21	EK	SW6010D
Selenium	< 1.3	1.3		mg/Kg	1	09/22/21	EK	SW6010D
Thallium	< 1.3	1.3		mg/Kg	1	09/22/21	EK	SW6010D
Vanadium	24.3	0.34		mg/Kg	1	09/22/21	EK	SW6010D
Zinc	175	0.7		mg/Kg	1	09/22/21	EK	SW6010D
Percent Solid	92			%		09/21/21	Q	SW846-%Solid
Soil Extraction for PCB	Completed					09/21/21	O/B/E	SW3545A
Soil Extraction for Pesticides	Completed					09/21/21	O/B/E	SW3545A
Field Extraction	Completed					09/20/21		SW5035A 1

Ver 1

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					09/22/21	AB/AB	SW7471B
Soil Extraction for SVOA	Completed					09/21/21	R/K	SW3546
Total Metals Digest	Completed					09/21/21	M/AG/BF	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1221	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1232	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1242	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1248	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1254	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1260	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1262	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1268	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
QA/QC Surrogates								
% DCBP	65			%	2	09/22/21	SC	30 - 150 %
% DCBP (Confirmation)	64			%	2	09/22/21	SC	30 - 150 %
% TCMX	60			%	2	09/22/21	SC	30 - 150 %
% TCMX (Confirmation)	62			%	2	09/22/21	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.1		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDE	ND	2.1		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDT	ND	2.1		ug/Kg	2	09/22/21	AW	SW8081B
a-BHC	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
a-Chlordane	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
Aldrin	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
b-BHC	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Chlordane	ND	36		ug/Kg	2	09/22/21	AW	SW8081B
d-BHC	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Dieldrin	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan I	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan II	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan sulfate	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Endrin	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Endrin aldehyde	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Endrin ketone	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
g-BHC	ND	1.4		ug/Kg	2	09/22/21	AW	SW8081B
g-Chlordane	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor epoxide	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Methoxychlor	ND	36		ug/Kg	2	09/22/21	AW	SW8081B
Toxaphene	ND	140		ug/Kg	2	09/22/21	AW	SW8081B
QA/QC Surrogates								
% DCBP	53			%	2	09/22/21	AW	30 - 150 %
% DCBP (Confirmation)	65			%	2	09/22/21	AW	30 - 150 %
% TCMX	54			%	2	09/22/21	AW	30 - 150 %
% TCMX (Confirmation)	57			%	2	09/22/21	AW	30 - 150 %

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Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1,1-Trichloroethane	ND		6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND		6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1,2-Trichloroethane	ND		6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1-Dichloroethane	ND		6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1-Dichloroethene	ND		6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1-Dichloropropene	ND		6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,3-Trichloropropane	ND		6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND		6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dibromoethane	ND		6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dichlorobenzene	ND		6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dichloroethane	ND		6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dichloropropane	ND		6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND		6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C	
1,3-Dichlorobenzene	ND		6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C	
1,3-Dichloropropane	ND		6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C	
1,4-Dichlorobenzene	ND		6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C	
2,2-Dichloropropane	ND		6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C	
2-Chlorotoluene	ND		6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C	
2-Hexanone	ND		33	6.7	ug/Kg	1	09/23/21	JLI	SW8260C	
2-Isopropyltoluene	ND		6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C	1
4-Chlorotoluene	ND		6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C	
4-Methyl-2-pentanone	ND		33	6.7	ug/Kg	1	09/23/21	JLI	SW8260C	
Acetone	26	JS	33	6.7	ug/Kg	1	09/23/21	JLI	SW8260C	
Acrylonitrile	ND		13	1.3	ug/Kg	1	09/23/21	JLI	SW8260C	
Benzene	ND		6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromobenzene	ND		6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromochloromethane	ND		6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromodichloromethane	ND		6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromoform	ND		6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromomethane	ND		6.7	2.7	ug/Kg	1	09/23/21	JLI	SW8260C	
Carbon Disulfide	ND		6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C	
Carbon tetrachloride	ND		6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C	
Chlorobenzene	ND		6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C	
Chloroethane	ND		6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C	
Chloroform	ND		6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C	
Chloromethane	ND		6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C	
Dibromochloromethane	ND		6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C	
Dibromomethane	ND		6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C	
Dichlorodifluoromethane	ND		6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C	
Ethylbenzene	ND		6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C	
Hexachlorobutadiene	ND		6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C	
Isopropylbenzene	ND		6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl Ethyl Ketone	ND	40	6.7	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	13	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
Methylene chloride	ND	6.7	6.7	ug/Kg	1	09/23/21	JLI	SW8260C
Naphthalene	ND	6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
n-Butylbenzene	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
n-Propylbenzene	ND	6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
o-Xylene	ND	6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
p-Isopropyltoluene	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
sec-Butylbenzene	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
Styrene	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
tert-Butylbenzene	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrachloroethene	ND	6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND	13	3.3	ug/Kg	1	09/23/21	JLI	SW8260C
Toluene	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	13	3.3	ug/Kg	1	09/23/21	JLI	SW8260C
Trichloroethene	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorofluoromethane	ND	6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorotrifluoroethane	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
Vinyl chloride	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	96			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/23/21	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100		ug/kg	1	09/23/21	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	96			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/23/21	JLI	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	27		ug/Kg	1	09/23/21	JLI	SW8260C
Acrolein	ND	6.7		ug/Kg	1	09/23/21	JLI	SW8260C
Acrylonitrile	ND	27		ug/Kg	1	09/23/21	JLI	SW8260C
Tert-butyl alcohol	ND	130		ug/Kg	1	09/23/21	JLI	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	09/22/21	WB	SW8270D
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Dichlorobenzene	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D
1,3-Dichlorobenzene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
1,4-Dichlorobenzene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	1	09/22/21	WB	SW8270D

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Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4,6-Trichlorophenol	ND		180	120	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dichlorophenol	ND		180	130	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dimethylphenol	ND		250	90	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dinitrophenol	ND		250	250	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dinitrotoluene	ND		180	140	ug/Kg	1	09/22/21	WB	SW8270D	
2,6-Dinitrotoluene	ND		180	110	ug/Kg	1	09/22/21	WB	SW8270D	
2-Chloronaphthalene	ND		250	100	ug/Kg	1	09/22/21	WB	SW8270D	
2-Chlorophenol	ND		250	100	ug/Kg	1	09/22/21	WB	SW8270D	
2-Methylnaphthalene	ND		250	110	ug/Kg	1	09/22/21	WB	SW8270D	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	1	09/22/21	WB	SW8270D	
2-Nitroaniline	ND		250	250	ug/Kg	1	09/22/21	WB	SW8270D	
2-Nitrophenol	ND		250	230	ug/Kg	1	09/22/21	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	1	09/22/21	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND		180	170	ug/Kg	1	09/22/21	WB	SW8270D	
3-Nitroaniline	ND		360	720	ug/Kg	1	09/22/21	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND		220	72	ug/Kg	1	09/22/21	WB	SW8270D	
4-Bromophenyl phenyl ether	ND		250	110	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chloro-3-methylphenol	ND		250	130	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chloroaniline	ND		290	170	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	1	09/22/21	WB	SW8270D	
4-Nitroaniline	ND		360	120	ug/Kg	1	09/22/21	WB	SW8270D	
4-Nitrophenol	ND		360	160	ug/Kg	1	09/22/21	WB	SW8270D	
Acenaphthene	ND		250	110	ug/Kg	1	09/22/21	WB	SW8270D	
Acenaphthylene	ND		250	100	ug/Kg	1	09/22/21	WB	SW8270D	
Acetophenone	ND		250	110	ug/Kg	1	09/22/21	WB	SW8270D	
Aniline	ND		290	290	ug/Kg	1	09/22/21	WB	SW8270D	
Anthracene	150	J	250	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benz(a)anthracene	460		250	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzidine	ND		360	210	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(a)pyrene	510		180	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(b)fluoranthene	420		250	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(ghi)perylene	430		250	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(k)fluoranthene	470		250	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzoic acid	ND		1800	720	ug/Kg	1	09/22/21	WB	SW8270D	
Benzyl butyl phthalate	ND		250	93	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND		250	100	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroethyl)ether	ND		180	98	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND		250	100	ug/Kg	1	09/22/21	WB	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	1	09/22/21	WB	SW8270D	
Carbazole	ND		180	140	ug/Kg	1	09/22/21	WB	SW8270D	
Chrysene	500		250	120	ug/Kg	1	09/22/21	WB	SW8270D	
Dibenz(a,h)anthracene	120	J	180	120	ug/Kg	1	09/22/21	WB	SW8270D	
Dibenzofuran	ND		250	110	ug/Kg	1	09/22/21	WB	SW8270D	
Diethyl phthalate	ND		250	110	ug/Kg	1	09/22/21	WB	SW8270D	
Dimethylphthalate	ND		250	110	ug/Kg	1	09/22/21	WB	SW8270D	
Di-n-butylphthalate	ND		250	96	ug/Kg	1	09/22/21	WB	SW8270D	
Di-n-octylphthalate	ND		250	93	ug/Kg	1	09/22/21	WB	SW8270D	
Fluoranthene	720		250	120	ug/Kg	1	09/22/21	WB	SW8270D	
Fluorene	ND		250	120	ug/Kg	1	09/22/21	WB	SW8270D	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Hexachlorobenzene	ND	180	110	ug/Kg	1	09/22/21	WB	SW8270D	
Hexachlorobutadiene	ND	250	130	ug/Kg	1	09/22/21	WB	SW8270D	
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D	
Hexachloroethane	ND	180	110	ug/Kg	1	09/22/21	WB	SW8270D	
Indeno(1,2,3-cd)pyrene	420	250	120	ug/Kg	1	09/22/21	WB	SW8270D	
Isophorone	ND	180	100	ug/Kg	1	09/22/21	WB	SW8270D	
Naphthalene	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D	
Nitrobenzene	ND	180	130	ug/Kg	1	09/22/21	WB	SW8270D	
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND	180	120	ug/Kg	1	09/22/21	WB	SW8270D	
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	1	09/22/21	WB	SW8270D	
Pentachloronitrobenzene	ND	250	130	ug/Kg	1	09/22/21	WB	SW8270D	
Pentachlorophenol	ND	220	140	ug/Kg	1	09/22/21	WB	SW8270D	
Phenanthrene	600	250	100	ug/Kg	1	09/22/21	WB	SW8270D	
Phenol	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D	
Pyrene	660	250	120	ug/Kg	1	09/22/21	WB	SW8270D	
Pyridine	ND	250	89	ug/Kg	1	09/22/21	WB	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	140			%	1	09/22/21	WB	30 - 130 %	3
% 2-Fluorobiphenyl	89			%	1	09/22/21	WB	30 - 130 %	
% 2-Fluorophenol	46			%	1	09/22/21	WB	30 - 130 %	
% Nitrobenzene-d5	91			%	1	09/22/21	WB	30 - 130 %	
% Phenol-d5	73			%	1	09/22/21	WB	30 - 130 %	
% Terphenyl-d14	73			%	1	09/22/21	WB	30 - 130 %	

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 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:
One of the surrogate recoveries was above the upper range due to sample matrix interference. The other surrogates associated with this sample were within QA/QC criteria. No significant bias is suspected.

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered 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 you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
September 28, 2021
Reviewed and Released by: Ethan Lee, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 28, 2021

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/20/21	10:30
Location Code:	BRUSSEE	Received by:	CP	09/21/21	15:23
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCJ33255
Phoenix ID: CJ33267

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B7 (0-5)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.35	0.35		mg/Kg	1	09/22/21	EK	SW6010D
Aluminum	6540	35		mg/Kg	10	09/22/21	EK	SW6010D
Arsenic	35.1	0.69		mg/Kg	1	09/22/21	EK	SW6010D
Barium	451	0.7		mg/Kg	1	09/22/21	EK	SW6010D
Beryllium	0.95	0.28		mg/Kg	1	09/22/21	EK	SW6010D
Calcium	48800	35		mg/Kg	10	09/22/21	EK	SW6010D
Cadmium	7.71	0.35		mg/Kg	1	09/22/21	EK	SW6010D
Cobalt	10.0	0.35		mg/Kg	1	09/22/21	EK	SW6010D
Chromium	34.0	0.35		mg/Kg	1	09/22/21	EK	SW6010D
Copper	125	0.7		mg/kg	1	09/22/21	EK	SW6010D
Iron	61000	35		mg/Kg	10	09/22/21	EK	SW6010D
Mercury	0.84	0.03		mg/Kg	2	09/22/21	AP	SW7471B
Potassium	966	7		mg/Kg	1	09/22/21	EK	SW6010D
Magnesium	11000	35		mg/Kg	10	09/22/21	EK	SW6010D
Manganese	437	3.5		mg/Kg	10	09/22/21	EK	SW6010D
Sodium	322	7		mg/Kg	1	09/22/21	EK	SW6010D
Nickel	25.7	0.35		mg/Kg	1	09/22/21	EK	SW6010D
Lead	3360	6.9		mg/Kg	10	09/22/21	EK	SW6010D
Antimony	< 3.5	3.5		mg/Kg	1	09/22/21	EK	SW6010D
Selenium	2.5	1.4		mg/Kg	1	09/22/21	EK	SW6010D
Thallium	< 1.4	1.4		mg/Kg	1	09/22/21	EK	SW6010D
Vanadium	33.0	0.35		mg/Kg	1	09/22/21	EK	SW6010D
Zinc	2120	6.9		mg/Kg	10	09/22/21	EK	SW6010D
Percent Solid	85			%		09/21/21	Q	SW846-%Solid
Soil Extraction for PCB	Completed					09/21/21	O/B/E	SW3545A
Soil Extraction for Pesticides	Completed					09/21/21	O/B/E	SW3545A
Field Extraction	Completed					09/20/21		SW5035A [1]

Ver 1

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B7 (0-5)

Phoenix I.D.: CJ33267

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					09/22/21	AB/AB	SW7471B
Soil Extraction for SVOA	Completed					09/21/21	R/K	SW3546
Total Metals Digest	Completed					09/21/21	M/AG/BF	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	76	76	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1221	ND	76	76	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1232	ND	76	76	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1242	ND	76	76	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1248	ND	76	76	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1254	ND	76	76	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1260	ND	76	76	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1262	ND	76	76	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1268	ND	76	76	ug/Kg	2	09/22/21	SC	SW8082A
QA/QC Surrogates								
% DCBP	62			%	2	09/22/21	SC	30 - 150 %
% DCBP (Confirmation)	60			%	2	09/22/21	SC	30 - 150 %
% TCMX	55			%	2	09/22/21	SC	30 - 150 %
% TCMX (Confirmation)	58			%	2	09/22/21	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.3		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDE	ND	2.3		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDT	ND	2.3		ug/Kg	2	09/22/21	AW	SW8081B
a-BHC	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
a-Chlordane	ND	3.8		ug/Kg	2	09/22/21	AW	SW8081B
Aldrin	ND	3.8		ug/Kg	2	09/22/21	AW	SW8081B
b-BHC	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Chlordane	ND	38		ug/Kg	2	09/22/21	AW	SW8081B
d-BHC	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Dieldrin	ND	3.8		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan I	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan II	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan sulfate	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Endrin	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Endrin aldehyde	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Endrin ketone	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
g-BHC	ND	1.5		ug/Kg	2	09/22/21	AW	SW8081B
g-Chlordane	ND	3.8		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor epoxide	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Methoxychlor	ND	38		ug/Kg	2	09/22/21	AW	SW8081B
Toxaphene	ND	150		ug/Kg	2	09/22/21	AW	SW8081B
QA/QC Surrogates								
% DCBP	49			%	2	09/22/21	AW	30 - 150 %
% DCBP (Confirmation)	63			%	2	09/22/21	AW	30 - 150 %
% TCMX	50			%	2	09/22/21	AW	30 - 150 %
% TCMX (Confirmation)	56			%	2	09/22/21	AW	30 - 150 %

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B7 (0-5)

Phoenix I.D.: CJ33267

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1,1-Trichloroethane	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1,2-Trichloroethane	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1-Dichloroethane	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1-Dichloroethene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1-Dichloropropene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,3-Trichloropropane	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dibromoethane	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dichlorobenzene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dichloroethane	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dichloropropane	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C	
1,3-Dichlorobenzene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C	
1,3-Dichloropropane	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C	
1,4-Dichlorobenzene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C	
2,2-Dichloropropane	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C	
2-Chlorotoluene	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C	
2-Hexanone	ND	32	6.5	ug/Kg	1	09/23/21	JLI	SW8260C	
2-Isopropyltoluene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C	1
4-Chlorotoluene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C	
4-Methyl-2-pentanone	ND	32	6.5	ug/Kg	1	09/23/21	JLI	SW8260C	
Acetone	ND	32	6.5	ug/Kg	1	09/23/21	JLI	SW8260C	
Acrylonitrile	ND	13	1.3	ug/Kg	1	09/23/21	JLI	SW8260C	
Benzene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromobenzene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromochloromethane	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromodichloromethane	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromoform	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromomethane	ND	6.5	2.6	ug/Kg	1	09/23/21	JLI	SW8260C	
Carbon Disulfide	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C	
Carbon tetrachloride	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C	
Chlorobenzene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C	
Chloroethane	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C	
Chloroform	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C	
Chloromethane	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C	
Dibromochloromethane	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C	
Dibromomethane	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C	
Dichlorodifluoromethane	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C	
Ethylbenzene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C	
Hexachlorobutadiene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C	
Isopropylbenzene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl Ethyl Ketone	ND	39	6.5	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	13	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
Methylene chloride	ND	6.5	6.5	ug/Kg	1	09/23/21	JLI	SW8260C
Naphthalene	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
n-Butylbenzene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
n-Propylbenzene	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
o-Xylene	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
p-Isopropyltoluene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
sec-Butylbenzene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
Styrene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
tert-Butylbenzene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrachloroethene	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND	13	3.2	ug/Kg	1	09/23/21	JLI	SW8260C
Toluene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	13	3.2	ug/Kg	1	09/23/21	JLI	SW8260C
Trichloroethene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorofluoromethane	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorotrifluoroethane	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
Vinyl chloride	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/23/21	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	97		ug/kg	1	09/23/21	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/23/21	JLI	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	26		ug/Kg	1	09/23/21	JLI	SW8260C
Acrolein	ND	6.5		ug/Kg	1	09/23/21	JLI	SW8260C
Acrylonitrile	ND	26		ug/Kg	1	09/23/21	JLI	SW8260C
Tert-butyl alcohol	ND	130		ug/Kg	1	09/23/21	JLI	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	270	130	ug/Kg	1	09/22/21	WB	SW8270D
1,2,4-Trichlorobenzene	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Dichlorobenzene	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Diphenylhydrazine	ND	270	120	ug/Kg	1	09/22/21	WB	SW8270D
1,3-Dichlorobenzene	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
1,4-Dichlorobenzene	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	1	09/22/21	WB	SW8270D

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B7 (0-5)

Phoenix I.D.: CJ33267

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4,6-Trichlorophenol	ND		190	120	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dichlorophenol	ND		190	130	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dimethylphenol	ND		270	94	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dinitrophenol	ND		270	270	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dinitrotoluene	ND		190	150	ug/Kg	1	09/22/21	WB	SW8270D	
2,6-Dinitrotoluene	ND		190	120	ug/Kg	1	09/22/21	WB	SW8270D	
2-Chloronaphthalene	ND		270	110	ug/Kg	1	09/22/21	WB	SW8270D	
2-Chlorophenol	ND		270	110	ug/Kg	1	09/22/21	WB	SW8270D	
2-Methylnaphthalene	ND		270	110	ug/Kg	1	09/22/21	WB	SW8270D	
2-Methylphenol (o-cresol)	ND		270	180	ug/Kg	1	09/22/21	WB	SW8270D	
2-Nitroaniline	ND		270	270	ug/Kg	1	09/22/21	WB	SW8270D	
2-Nitrophenol	ND		270	240	ug/Kg	1	09/22/21	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		270	150	ug/Kg	1	09/22/21	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND		190	180	ug/Kg	1	09/22/21	WB	SW8270D	
3-Nitroaniline	ND		380	760	ug/Kg	1	09/22/21	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND		230	76	ug/Kg	1	09/22/21	WB	SW8270D	
4-Bromophenyl phenyl ether	ND		270	110	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chloro-3-methylphenol	ND		270	130	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chloroaniline	ND		300	180	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND		270	130	ug/Kg	1	09/22/21	WB	SW8270D	
4-Nitroaniline	ND		380	130	ug/Kg	1	09/22/21	WB	SW8270D	
4-Nitrophenol	ND		380	170	ug/Kg	1	09/22/21	WB	SW8270D	
Acenaphthene	190	J	270	120	ug/Kg	1	09/22/21	WB	SW8270D	
Acenaphthylene	450		270	110	ug/Kg	1	09/22/21	WB	SW8270D	
Acetophenone	ND		270	120	ug/Kg	1	09/22/21	WB	SW8270D	
Aniline	ND		300	300	ug/Kg	1	09/22/21	WB	SW8270D	
Anthracene	540		270	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benz(a)anthracene	2600		270	130	ug/Kg	1	09/22/21	WB	SW8270D	
Benzidine	ND		380	220	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(a)pyrene	2600		190	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(b)fluoranthene	2600		270	130	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(ghi)perylene	1900		270	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(k)fluoranthene	2100		270	130	ug/Kg	1	09/22/21	WB	SW8270D	
Benzoic acid	ND		1900	760	ug/Kg	1	09/22/21	WB	SW8270D	
Benzyl butyl phthalate	ND		270	98	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND		270	100	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroethyl)ether	ND		190	100	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND		270	110	ug/Kg	1	09/22/21	WB	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND		270	110	ug/Kg	1	09/22/21	WB	SW8270D	
Carbazole	190	J	190	150	ug/Kg	1	09/22/21	WB	SW8270D	
Chrysene	2900		270	130	ug/Kg	1	09/22/21	WB	SW8270D	
Dibenz(a,h)anthracene	520		190	120	ug/Kg	1	09/22/21	WB	SW8270D	
Dibenzofuran	120	J	270	110	ug/Kg	1	09/22/21	WB	SW8270D	
Diethyl phthalate	ND		270	120	ug/Kg	1	09/22/21	WB	SW8270D	
Dimethylphthalate	ND		270	120	ug/Kg	1	09/22/21	WB	SW8270D	
Di-n-butylphthalate	ND		270	100	ug/Kg	1	09/22/21	WB	SW8270D	
Di-n-octylphthalate	ND		270	98	ug/Kg	1	09/22/21	WB	SW8270D	
Fluoranthene	4900		270	120	ug/Kg	1	09/22/21	WB	SW8270D	
Fluorene	170	J	270	130	ug/Kg	1	09/22/21	WB	SW8270D	

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B7 (0-5)

Phoenix I.D.: CJ33267

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND		190	110	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorobutadiene	ND		270	140	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorocyclopentadiene	ND		270	120	ug/Kg	1	09/22/21	WB	SW8270D
Hexachloroethane	ND		190	110	ug/Kg	1	09/22/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	2100		270	130	ug/Kg	1	09/22/21	WB	SW8270D
Isophorone	ND		190	110	ug/Kg	1	09/22/21	WB	SW8270D
Naphthalene	190	J	270	110	ug/Kg	1	09/22/21	WB	SW8270D
Nitrobenzene	ND		190	130	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodimethylamine	ND		270	110	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodi-n-propylamine	ND		190	120	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodiphenylamine	ND		270	150	ug/Kg	1	09/22/21	WB	SW8270D
Pentachloronitrobenzene	ND		270	140	ug/Kg	1	09/22/21	WB	SW8270D
Pentachlorophenol	ND		230	140	ug/Kg	1	09/22/21	WB	SW8270D
Phenanthrene	2500		270	110	ug/Kg	1	09/22/21	WB	SW8270D
Phenol	ND		270	120	ug/Kg	1	09/22/21	WB	SW8270D
Pyrene	4400		270	130	ug/Kg	1	09/22/21	WB	SW8270D
Pyridine	ND		270	94	ug/Kg	1	09/22/21	WB	SW8270D
QA/QC Surrogates									
% 2,4,6-Tribromophenol	99				%	1	09/22/21	WB	30 - 130 %
% 2-Fluorobiphenyl	71				%	1	09/22/21	WB	30 - 130 %
% 2-Fluorophenol	36				%	1	09/22/21	WB	30 - 130 %
% Nitrobenzene-d5	85				%	1	09/22/21	WB	30 - 130 %
% Phenol-d5	61				%	1	09/22/21	WB	30 - 130 %
% Terphenyl-d14	72				%	1	09/22/21	WB	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.

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 you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

September 28, 2021

Reviewed and Released by: Ethan Lee, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 28, 2021

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/20/21	10:40
Location Code:	BRUSSEE	Received by:	CP	09/21/21	15:23
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCJ33255
Phoenix ID: CJ33268

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B7 (3-5)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.33	0.33		mg/Kg	1	09/22/21	EK	SW6010D
Aluminum	6860	33		mg/Kg	10	09/22/21	EK	SW6010D
Arsenic	9.49	0.67		mg/Kg	1	09/22/21	EK	SW6010D
Barium	147	0.7		mg/Kg	1	09/22/21	EK	SW6010D
Beryllium	0.47	0.27		mg/Kg	1	09/22/21	EK	SW6010D
Calcium	14500	33		mg/Kg	10	09/22/21	EK	SW6010D
Cadmium	2.12	0.33		mg/Kg	1	09/22/21	EK	SW6010D
Cobalt	9.39	0.33		mg/Kg	1	09/22/21	EK	SW6010D
Chromium	19.4	0.33		mg/Kg	1	09/22/21	EK	SW6010D
Copper	152	6.7		mg/kg	10	09/23/21	TH	SW6010D
Iron	26500	33		mg/Kg	10	09/22/21	EK	SW6010D
Mercury	0.55	0.03		mg/Kg	2	09/22/21	AP	SW7471B
Potassium	1440	7		mg/Kg	1	09/22/21	EK	SW6010D
Magnesium	9720	33		mg/Kg	10	09/22/21	EK	SW6010D
Manganese	370	3.3		mg/Kg	10	09/22/21	EK	SW6010D
Sodium	205	7		mg/Kg	1	09/22/21	EK	SW6010D
Nickel	54.3	0.33		mg/Kg	1	09/22/21	EK	SW6010D
Lead	396	0.7		mg/Kg	1	09/22/21	EK	SW6010D
Antimony	< 3.3	3.3		mg/Kg	1	09/22/21	EK	SW6010D
Selenium	< 1.3	1.3		mg/Kg	1	09/22/21	EK	SW6010D
Thallium	< 1.3	1.3		mg/Kg	1	09/22/21	EK	SW6010D
Vanadium	23.9	0.33		mg/Kg	1	09/22/21	EK	SW6010D
Zinc	677	6.7		mg/Kg	10	09/22/21	EK	SW6010D
Percent Solid	90			%		09/21/21	Q	SW846-%Solid
Soil Extraction for PCB	Completed					09/21/21	O/B/E	SW3545A
Soil Extraction for Pesticides	Completed					09/21/21	O/B/E	SW3545A
Field Extraction	Completed					09/20/21		SW5035A [1]

Ver 1

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B7 (3-5)

Phoenix I.D.: CJ33268

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					09/22/21	AB/AB	SW7471B
Soil Extraction for SVOA	Completed					09/21/21	R/K	SW3546
Total Metals Digest	Completed					09/21/21	M/AG/BF	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1221	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1232	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1242	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1248	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1254	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1260	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1262	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1268	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
QA/QC Surrogates								
% DCBP	70			%	2	09/22/21	SC	30 - 150 %
% DCBP (Confirmation)	60			%	2	09/22/21	SC	30 - 150 %
% TCMX	65			%	2	09/22/21	SC	30 - 150 %
% TCMX (Confirmation)	53			%	2	09/22/21	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.2		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDE	ND	2.2		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDT	ND	2.2		ug/Kg	2	09/22/21	AW	SW8081B
a-BHC	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
a-Chlordane	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
Aldrin	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
b-BHC	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Chlordane	ND	36		ug/Kg	2	09/22/21	AW	SW8081B
d-BHC	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Dieldrin	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan I	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan II	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan sulfate	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Endrin	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Endrin aldehyde	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Endrin ketone	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
g-BHC	ND	1.4		ug/Kg	2	09/22/21	AW	SW8081B
g-Chlordane	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor epoxide	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Methoxychlor	ND	36		ug/Kg	2	09/22/21	AW	SW8081B
Toxaphene	ND	140		ug/Kg	2	09/22/21	AW	SW8081B
QA/QC Surrogates								
% DCBP	54			%	2	09/22/21	AW	30 - 150 %
% DCBP (Confirmation)	76			%	2	09/22/21	AW	30 - 150 %
% TCMX	53			%	2	09/22/21	AW	30 - 150 %
% TCMX (Confirmation)	62			%	2	09/22/21	AW	30 - 150 %

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B7 (3-5)

Phoenix I.D.: CJ33268

Volatiles

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,1,1,2-Tetrachloroethane	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1,1-Trichloroethane	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1,2-Trichloroethane	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1-Dichloroethane	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1-Dichloroethene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1-Dichloropropene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,3-Trichloropropane	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dibromoethane	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dichlorobenzene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dichloroethane	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dichloropropane	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C	
1,3-Dichlorobenzene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C	
1,3-Dichloropropane	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C	
1,4-Dichlorobenzene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C	
2,2-Dichloropropane	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C	
2-Chlorotoluene	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C	
2-Hexanone	ND	23	4.5	ug/Kg	1	09/23/21	JLI	SW8260C	
2-Isopropyltoluene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C	1
4-Chlorotoluene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C	
4-Methyl-2-pentanone	ND	23	4.5	ug/Kg	1	09/23/21	JLI	SW8260C	
Acetone	ND	23	4.5	ug/Kg	1	09/23/21	JLI	SW8260C	
Acrylonitrile	ND	9.0	0.90	ug/Kg	1	09/23/21	JLI	SW8260C	
Benzene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromobenzene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromochloromethane	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromodichloromethane	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromoform	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromomethane	ND	4.5	1.8	ug/Kg	1	09/23/21	JLI	SW8260C	
Carbon Disulfide	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C	
Carbon tetrachloride	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C	
Chlorobenzene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C	
Chloroethane	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C	
Chloroform	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C	
Chloromethane	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C	
Dibromochloromethane	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C	
Dibromomethane	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C	
Dichlorodifluoromethane	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C	
Ethylbenzene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C	
Hexachlorobutadiene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C	
Isopropylbenzene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C	

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B7 (3-5)

Phoenix I.D.: CJ33268

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl Ethyl Ketone	ND	27	4.5	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	9.0	0.90	ug/Kg	1	09/23/21	JLI	SW8260C
Methylene chloride	ND	4.5	4.5	ug/Kg	1	09/23/21	JLI	SW8260C
Naphthalene	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C
n-Butylbenzene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
n-Propylbenzene	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C
o-Xylene	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C
p-Isopropyltoluene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
sec-Butylbenzene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
Styrene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
tert-Butylbenzene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrachloroethene	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND	9.0	2.3	ug/Kg	1	09/23/21	JLI	SW8260C
Toluene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	9.0	2.3	ug/Kg	1	09/23/21	JLI	SW8260C
Trichloroethene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorofluoromethane	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
Vinyl chloride	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	95			%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	96			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/23/21	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	68		ug/kg	1	09/23/21	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	95			%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	96			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/23/21	JLI	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	18		ug/Kg	1	09/23/21	JLI	SW8260C
Acrolein	ND	4.5		ug/Kg	1	09/23/21	JLI	SW8260C
Acrylonitrile	ND	18		ug/Kg	1	09/23/21	JLI	SW8260C
Tert-butyl alcohol	ND	90		ug/Kg	1	09/23/21	JLI	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	09/22/21	WB	SW8270D
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Dichlorobenzene	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D
1,3-Dichlorobenzene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
1,4-Dichlorobenzene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	1	09/22/21	WB	SW8270D

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B7 (3-5)

Phoenix I.D.: CJ33268

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4,6-Trichlorophenol	ND	180	120	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dimethylphenol	ND	260	91	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	09/22/21	WB	SW8270D	
2,6-Dinitrotoluene	ND	180	120	ug/Kg	1	09/22/21	WB	SW8270D	
2-Chloronaphthalene	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D	
2-Chlorophenol	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D	
2-Methylnaphthalene	380	260	110	ug/Kg	1	09/22/21	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	1	09/22/21	WB	SW8270D	
2-Nitroaniline	ND	260	260	ug/Kg	1	09/22/21	WB	SW8270D	
2-Nitrophenol	ND	260	230	ug/Kg	1	09/22/21	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	260	140	ug/Kg	1	09/22/21	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	09/22/21	WB	SW8270D	
3-Nitroaniline	ND	370	730	ug/Kg	1	09/22/21	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	220	73	ug/Kg	1	09/22/21	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chloroaniline	ND	290	170	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D	
4-Nitroaniline	ND	370	120	ug/Kg	1	09/22/21	WB	SW8270D	
4-Nitrophenol	ND	370	170	ug/Kg	1	09/22/21	WB	SW8270D	
Acenaphthene	1200	260	110	ug/Kg	1	09/22/21	WB	SW8270D	
Acenaphthylene	580	260	100	ug/Kg	1	09/22/21	WB	SW8270D	
Acetophenone	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D	
Aniline	ND	290	290	ug/Kg	1	09/22/21	WB	SW8270D	
Anthracene	2300	260	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benz(a)anthracene	5800	260	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzidine	ND	370	220	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(a)pyrene	5200	180	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(b)fluoranthene	4900	260	130	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(ghi)perylene	2700	260	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(k)fluoranthene	4000	260	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzoic acid	ND	1800	730	ug/Kg	1	09/22/21	WB	SW8270D	
Benzyl butyl phthalate	ND	260	94	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	180	99	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D	
Carbazole	700	180	150	ug/Kg	1	09/22/21	WB	SW8270D	
Chrysene	5800	260	120	ug/Kg	1	09/22/21	WB	SW8270D	
Dibenz(a,h)anthracene	830	180	120	ug/Kg	1	09/22/21	WB	SW8270D	
Dibenzofuran	720	260	110	ug/Kg	1	09/22/21	WB	SW8270D	
Diethyl phthalate	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D	
Dimethylphthalate	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D	
Di-n-butylphthalate	ND	260	97	ug/Kg	1	09/22/21	WB	SW8270D	
Di-n-octylphthalate	ND	260	94	ug/Kg	1	09/22/21	WB	SW8270D	
Fluoranthene	16000	2600	1200	ug/Kg	10	09/22/21	WB	SW8270D	
Fluorene	960	260	120	ug/Kg	1	09/22/21	WB	SW8270D	

Project ID: 188 E 135TH ST BRONX NY
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Phoenix I.D.: CJ33268

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	180	110	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorobutadiene	ND	260	130	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	09/22/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	3200	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Isophorone	ND	180	100	ug/Kg	1	09/22/21	WB	SW8270D
Naphthalene	690	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Nitrobenzene	ND	180	130	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodimethylamine	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	180	120	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	1	09/22/21	WB	SW8270D
Pentachloronitrobenzene	ND	260	140	ug/Kg	1	09/22/21	WB	SW8270D
Pentachlorophenol	ND	220	140	ug/Kg	1	09/22/21	WB	SW8270D
Phenanthrene	13000	2600	1000	ug/Kg	10	09/22/21	WB	SW8270D
Phenol	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Pyrene	14000	2600	1300	ug/Kg	10	09/22/21	WB	SW8270D
Pyridine	ND	260	90	ug/Kg	1	09/22/21	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	126			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorobiphenyl	79			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorophenol	37			%	1	09/22/21	WB	30 - 130 %
% Nitrobenzene-d5	78			%	1	09/22/21	WB	30 - 130 %
% Phenol-d5	65			%	1	09/22/21	WB	30 - 130 %
% Terphenyl-d14	73			%	1	09/22/21	WB	30 - 130 %
% 2,4,6-Tribromophenol (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %
% 2-Fluorobiphenyl (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %
% 2-Fluorophenol (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %
% Nitrobenzene-d5 (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %
% Phenol-d5 (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %
% Terphenyl-d14 (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %

Project ID: 188 E 135TH ST BRONX NY
Client ID: 20B7 (3-5)

Phoenix I.D.: CJ33268

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.

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.

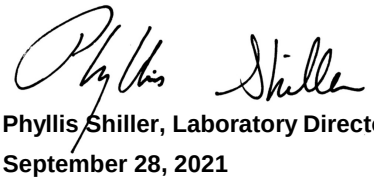
Comments:

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.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director
September 28, 2021
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

September 28, 2021

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/20/21	
Location Code:	BRUSSEE	Received by:	CP	09/21/21	15:23
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCJ33255
Phoenix ID: CJ33269

Project ID: 188 E 135TH ST BRONX NY
Client ID: DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.40	0.40		mg/Kg	1	09/22/21	EK	SW6010D
Aluminum	9240	40		mg/Kg	10	09/22/21	EK	SW6010D
Arsenic	6.14	0.80		mg/Kg	1	09/22/21	EK	SW6010D
Barium	132	0.8		mg/Kg	1	09/22/21	EK	SW6010D
Beryllium	0.45	0.32		mg/Kg	1	09/22/21	EK	SW6010D
Calcium	6720	4.0		mg/Kg	1	09/22/21	EK	SW6010D
Cadmium	0.49	0.40		mg/Kg	1	09/22/21	EK	SW6010D
Cobalt	9.76	0.40		mg/Kg	1	09/22/21	EK	SW6010D
Chromium	18.7	0.40		mg/Kg	1	09/22/21	EK	SW6010D
Copper	40.0	0.8		mg/kg	1	09/22/21	EK	SW6010D
Iron	22500	40		mg/Kg	10	09/22/21	EK	SW6010D
Mercury	0.26	0.03		mg/Kg	2	09/22/21	AP	SW7471B
Potassium	2080	8		mg/Kg	1	09/22/21	EK	SW6010D
Magnesium	3160	4.0		mg/Kg	1	09/22/21	EK	SW6010D
Manganese	363	4.0		mg/Kg	10	09/22/21	EK	SW6010D
Sodium	149	8		mg/Kg	1	09/22/21	EK	SW6010D
Nickel	18.0	0.40		mg/Kg	1	09/22/21	EK	SW6010D
Lead	286	0.8		mg/Kg	1	09/22/21	EK	SW6010D
Antimony	< 4.0	4.0		mg/Kg	1	09/22/21	EK	SW6010D
Selenium	< 1.6	1.6		mg/Kg	1	09/22/21	EK	SW6010D
Thallium	< 1.6	1.6		mg/Kg	1	09/22/21	EK	SW6010D
Vanadium	24.6	0.40		mg/Kg	1	09/22/21	EK	SW6010D
Zinc	190	0.8		mg/Kg	1	09/22/21	EK	SW6010D
Percent Solid	89			%		09/21/21	Q	SW846-%Solid
Soil Extraction for PCB	Completed					09/21/21	O/B/E	SW3545A
Soil Extraction for Pesticides	Completed					09/21/21	O/B/E	SW3545A
Field Extraction	Completed					09/20/21		SW5035A [1]

Ver 1

Project ID: 188 E 135TH ST BRONX NY
Client ID: DUPLICATE

Phoenix I.D.: CJ33269

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					09/22/21	AB/AB	SW7471B
Soil Extraction for SVOA	Completed					09/21/21	R/K	SW3546
Total Metals Digest	Completed					09/21/21	M/AG/BF	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	73	73	ug/Kg	2	09/23/21	SC	SW8082A
PCB-1221	ND	73	73	ug/Kg	2	09/23/21	SC	SW8082A
PCB-1232	ND	73	73	ug/Kg	2	09/23/21	SC	SW8082A
PCB-1242	ND	73	73	ug/Kg	2	09/23/21	SC	SW8082A
PCB-1248	ND	73	73	ug/Kg	2	09/23/21	SC	SW8082A
PCB-1254	ND	73	73	ug/Kg	2	09/23/21	SC	SW8082A
PCB-1260	ND	73	73	ug/Kg	2	09/23/21	SC	SW8082A
PCB-1262	ND	73	73	ug/Kg	2	09/23/21	SC	SW8082A
PCB-1268	ND	73	73	ug/Kg	2	09/23/21	SC	SW8082A
QA/QC Surrogates								
% DCBP	68			%	2	09/23/21	SC	30 - 150 %
% DCBP (Confirmation)	68			%	2	09/23/21	SC	30 - 150 %
% TCMX	64			%	2	09/23/21	SC	30 - 150 %
% TCMX (Confirmation)	65			%	2	09/23/21	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.2		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDE	ND	2.2		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDT	ND	2.2		ug/Kg	2	09/22/21	AW	SW8081B
a-BHC	ND	7.3		ug/Kg	2	09/22/21	AW	SW8081B
a-Chlordane	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
Aldrin	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
b-BHC	ND	7.3		ug/Kg	2	09/22/21	AW	SW8081B
Chlordane	ND	36		ug/Kg	2	09/22/21	AW	SW8081B
d-BHC	ND	7.3		ug/Kg	2	09/22/21	AW	SW8081B
Dieldrin	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan I	ND	7.3		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan II	ND	7.3		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan sulfate	ND	7.3		ug/Kg	2	09/22/21	AW	SW8081B
Endrin	ND	7.3		ug/Kg	2	09/22/21	AW	SW8081B
Endrin aldehyde	ND	7.3		ug/Kg	2	09/22/21	AW	SW8081B
Endrin ketone	ND	7.3		ug/Kg	2	09/22/21	AW	SW8081B
g-BHC	ND	1.5		ug/Kg	2	09/22/21	AW	SW8081B
g-Chlordane	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor	ND	7.3		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor epoxide	ND	7.3		ug/Kg	2	09/22/21	AW	SW8081B
Methoxychlor	ND	36		ug/Kg	2	09/22/21	AW	SW8081B
Toxaphene	ND	150		ug/Kg	2	09/22/21	AW	SW8081B
QA/QC Surrogates								
% DCBP	67			%	2	09/22/21	AW	30 - 150 %
% DCBP (Confirmation)	90			%	2	09/22/21	AW	30 - 150 %
% TCMX	67			%	2	09/22/21	AW	30 - 150 %
% TCMX (Confirmation)	80			%	2	09/22/21	AW	30 - 150 %

Project ID: 188 E 135TH ST BRONX NY
Client ID: DUPLICATE

Phoenix I.D.: CJ33269

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1,1-Trichloroethane	ND		7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND		7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1,2-Trichloroethane	ND		7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1-Dichloroethane	ND		7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1-Dichloroethene	ND		7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1-Dichloropropene	ND		7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,3-Trichloropropane	ND		7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND		7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dibromoethane	ND		7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dichlorobenzene	ND		7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dichloroethane	ND		7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dichloropropane	ND		7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND		7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C	
1,3-Dichlorobenzene	ND		7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C	
1,3-Dichloropropane	ND		7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C	
1,4-Dichlorobenzene	ND		7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C	
2,2-Dichloropropane	ND		7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C	
2-Chlorotoluene	ND		7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C	
2-Hexanone	ND		38	7.5	ug/Kg	1	09/23/21	JLI	SW8260C	
2-Isopropyltoluene	ND		7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C	1
4-Chlorotoluene	ND		7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C	
4-Methyl-2-pentanone	ND		38	7.5	ug/Kg	1	09/23/21	JLI	SW8260C	
Acetone	35	JS	38	7.5	ug/Kg	1	09/23/21	JLI	SW8260C	
Acrylonitrile	ND		15	1.5	ug/Kg	1	09/23/21	JLI	SW8260C	
Benzene	ND		7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromobenzene	ND		7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromochloromethane	ND		7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromodichloromethane	ND		7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromoform	ND		7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C	
Bromomethane	ND		7.5	3.0	ug/Kg	1	09/23/21	JLI	SW8260C	
Carbon Disulfide	ND		7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C	
Carbon tetrachloride	ND		7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C	
Chlorobenzene	ND		7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C	
Chloroethane	ND		7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C	
Chloroform	ND		7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C	
Chloromethane	ND		7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C	
Dibromochloromethane	ND		7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C	
Dibromomethane	ND		7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C	
Dichlorodifluoromethane	ND		7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C	
Ethylbenzene	ND		7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C	
Hexachlorobutadiene	ND		7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C	
Isopropylbenzene	ND		7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C	

Project ID: 188 E 135TH ST BRONX NY
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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl Ethyl Ketone	ND	45	7.5	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	15	1.5	ug/Kg	1	09/23/21	JLI	SW8260C
Methylene chloride	ND	7.5	7.5	ug/Kg	1	09/23/21	JLI	SW8260C
Naphthalene	ND	7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C
n-Butylbenzene	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
n-Propylbenzene	ND	7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C
o-Xylene	ND	7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C
p-Isopropyltoluene	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
sec-Butylbenzene	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
Styrene	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
tert-Butylbenzene	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrachloroethene	ND	7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND	15	3.8	ug/Kg	1	09/23/21	JLI	SW8260C
Toluene	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	15	3.8	ug/Kg	1	09/23/21	JLI	SW8260C
Trichloroethene	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorofluoromethane	ND	7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorotrifluoroethane	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
Vinyl chloride	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	96			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/23/21	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100		ug/kg	1	09/23/21	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	96			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/23/21	JLI	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	30		ug/Kg	1	09/23/21	JLI	SW8260C
Acrolein	ND	7.5		ug/Kg	1	09/23/21	JLI	SW8260C
Acrylonitrile	ND	30		ug/Kg	1	09/23/21	JLI	SW8260C
Tert-butyl alcohol	ND	150		ug/Kg	1	09/23/21	JLI	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	09/22/21	WB	SW8270D
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Dichlorobenzene	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D
1,3-Dichlorobenzene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
1,4-Dichlorobenzene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	1	09/22/21	WB	SW8270D

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Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4,6-Trichlorophenol	ND		180	120	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dichlorophenol	ND		180	130	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dimethylphenol	ND		260	91	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dinitrophenol	ND		260	260	ug/Kg	1	09/22/21	WB	SW8270D	
2,4-Dinitrotoluene	ND		180	140	ug/Kg	1	09/22/21	WB	SW8270D	
2,6-Dinitrotoluene	ND		180	120	ug/Kg	1	09/22/21	WB	SW8270D	
2-Chloronaphthalene	ND		260	100	ug/Kg	1	09/22/21	WB	SW8270D	
2-Chlorophenol	ND		260	100	ug/Kg	1	09/22/21	WB	SW8270D	
2-Methylnaphthalene	240	J	260	110	ug/Kg	1	09/22/21	WB	SW8270D	
2-Methylphenol (o-cresol)	ND		260	170	ug/Kg	1	09/22/21	WB	SW8270D	
2-Nitroaniline	ND		260	260	ug/Kg	1	09/22/21	WB	SW8270D	
2-Nitrophenol	ND		260	230	ug/Kg	1	09/22/21	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		260	140	ug/Kg	1	09/22/21	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND		180	170	ug/Kg	1	09/22/21	WB	SW8270D	
3-Nitroaniline	ND		370	730	ug/Kg	1	09/22/21	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND		220	73	ug/Kg	1	09/22/21	WB	SW8270D	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chloroaniline	ND		290	170	ug/Kg	1	09/22/21	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND		260	120	ug/Kg	1	09/22/21	WB	SW8270D	
4-Nitroaniline	ND		370	120	ug/Kg	1	09/22/21	WB	SW8270D	
4-Nitrophenol	ND		370	170	ug/Kg	1	09/22/21	WB	SW8270D	
Acenaphthene	1000		260	110	ug/Kg	1	09/22/21	WB	SW8270D	
Acenaphthylene	ND		260	100	ug/Kg	1	09/22/21	WB	SW8270D	
Acetophenone	ND		260	110	ug/Kg	1	09/22/21	WB	SW8270D	
Aniline	ND		290	290	ug/Kg	1	09/22/21	WB	SW8270D	
Anthracene	1800		260	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benz(a)anthracene	3100		260	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzidine	ND		370	220	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(a)pyrene	2700		180	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(b)fluoranthene	2500		260	130	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(ghi)perylene	1700		260	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzo(k)fluoranthene	2100		260	120	ug/Kg	1	09/22/21	WB	SW8270D	
Benzoic acid	ND		1800	730	ug/Kg	1	09/22/21	WB	SW8270D	
Benzyl butyl phthalate	ND		260	94	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroethyl)ether	ND		180	99	ug/Kg	1	09/22/21	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	1	09/22/21	WB	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND		260	110	ug/Kg	1	09/22/21	WB	SW8270D	
Carbazole	530		180	150	ug/Kg	1	09/22/21	WB	SW8270D	
Chrysene	2900		260	120	ug/Kg	1	09/22/21	WB	SW8270D	
Dibenz(a,h)anthracene	410		180	120	ug/Kg	1	09/22/21	WB	SW8270D	
Dibenzofuran	470		260	110	ug/Kg	1	09/22/21	WB	SW8270D	
Diethyl phthalate	ND		260	120	ug/Kg	1	09/22/21	WB	SW8270D	
Dimethylphthalate	ND		260	110	ug/Kg	1	09/22/21	WB	SW8270D	
Di-n-butylphthalate	ND		260	97	ug/Kg	1	09/22/21	WB	SW8270D	
Di-n-octylphthalate	ND		260	94	ug/Kg	1	09/22/21	WB	SW8270D	
Fluoranthene	10000		2600	1200	ug/Kg	10	09/22/21	WB	SW8270D	
Fluorene	930		260	120	ug/Kg	1	09/22/21	WB	SW8270D	

Project ID: 188 E 135TH ST BRONX NY
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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Hexachlorobenzene	ND	180	110	ug/Kg	1	09/22/21	WB	SW8270D	
Hexachlorobutadiene	ND	260	130	ug/Kg	1	09/22/21	WB	SW8270D	
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D	
Hexachloroethane	ND	180	110	ug/Kg	1	09/22/21	WB	SW8270D	
Indeno(1,2,3-cd)pyrene	2000	260	120	ug/Kg	1	09/22/21	WB	SW8270D	
Isophorone	ND	180	100	ug/Kg	1	09/22/21	WB	SW8270D	
Naphthalene	350	260	110	ug/Kg	1	09/22/21	WB	SW8270D	
Nitrobenzene	ND	180	130	ug/Kg	1	09/22/21	WB	SW8270D	
N-Nitrosodimethylamine	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D	
N-Nitrosodi-n-propylamine	ND	180	120	ug/Kg	1	09/22/21	WB	SW8270D	
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	1	09/22/21	WB	SW8270D	
Pentachloronitrobenzene	ND	260	140	ug/Kg	1	09/22/21	WB	SW8270D	
Pentachlorophenol	ND	220	140	ug/Kg	1	09/22/21	WB	SW8270D	
Phenanthrene	9500	2600	1000	ug/Kg	10	09/22/21	WB	SW8270D	
Phenol	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D	
Pyrene	6500	260	130	ug/Kg	1	09/22/21	WB	SW8270D	
Pyridine	ND	260	90	ug/Kg	1	09/22/21	WB	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	131			%	1	09/22/21	WB	30 - 130 %	3
% 2-Fluorobiphenyl	88			%	1	09/22/21	WB	30 - 130 %	
% 2-Fluorophenol	45			%	1	09/22/21	WB	30 - 130 %	
% Nitrobenzene-d5	88			%	1	09/22/21	WB	30 - 130 %	
% Phenol-d5	74			%	1	09/22/21	WB	30 - 130 %	
% Terphenyl-d14	77			%	1	09/22/21	WB	30 - 130 %	
% 2,4,6-Tribromophenol (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %	
% 2-Fluorobiphenyl (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %	
% 2-Fluorophenol (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %	
% Nitrobenzene-d5 (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %	
% Phenol-d5 (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %	
% Terphenyl-d14 (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %	

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 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:
One of the surrogate recoveries was above the upper range due to sample matrix interference. The other surrogates associated with this sample were within QA/QC criteria. No significant bias is suspected.

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered 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 you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
September 28, 2021
Reviewed and Released by: Ethan Lee, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 28, 2021

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/20/21	
Location Code:	BRUSSEE	Received by:	CP	09/21/21	15:23
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCJ33255
Phoenix ID: CJ33270

Project ID: 188 E 135TH ST BRONX NY
Client ID: TRIP BLANK LOW

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Field Extraction	Completed					09/20/21		SW5035A	1
Volatiles									
1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1-Dichloroethane	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1-Dichloroethene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1-Dichloropropene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dibromoethane	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dichloroethane	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dichloropropane	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C	
1,3-Dichloropropane	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C	
2,2-Dichloropropane	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C	
2-Chlorotoluene	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
2-Hexanone	ND	25	5.0	ug/Kg	1	09/23/21	JLI	SW8260C	
2-Isopropyltoluene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C	1

Project ID: 188 E 135TH ST BRONX NY
Client ID: TRIP BLANK LOW

Phoenix I.D.: CJ33270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
4-Methyl-2-pentanone	ND	25	5.0	ug/Kg	1	09/23/21	JLI	SW8260C
Acetone	ND	25	5.0	ug/Kg	1	09/23/21	JLI	SW8260C
Acrylonitrile	ND	10	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Benzene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
Bromobenzene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
Bromochloromethane	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
Bromodichloromethane	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Bromoform	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Bromomethane	ND	5.0	2.0	ug/Kg	1	09/23/21	JLI	SW8260C
Carbon Disulfide	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Carbon tetrachloride	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Chlorobenzene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
Chloroethane	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
Chloroform	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
Chloromethane	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
Dibromochloromethane	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Dibromomethane	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Dichlorodifluoromethane	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
Ethylbenzene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
Hexachlorobutadiene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
Isopropylbenzene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
m&p-Xylene	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl Ethyl Ketone	ND	30	5.0	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Methylene chloride	ND	5.0	5.0	ug/Kg	1	09/23/21	JLI	SW8260C
Naphthalene	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
n-Butylbenzene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
n-Propylbenzene	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
o-Xylene	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
p-Isopropyltoluene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
sec-Butylbenzene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
Styrene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
tert-Butylbenzene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrachloroethene	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND	10	2.5	ug/Kg	1	09/23/21	JLI	SW8260C
Toluene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	10	2.5	ug/Kg	1	09/23/21	JLI	SW8260C
Trichloroethene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorofluoromethane	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
Vinyl chloride	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	09/23/21	JLI	70 - 130 %

Ver 1

Project ID: 188 E 135TH ST BRONX NY
Client ID: TRIP BLANK LOW

Phoenix I.D.: CJ33270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Dibromofluoromethane	93			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/23/21	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	75		ug/kg	1	09/23/21	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	93			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/23/21	JLI	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	20		ug/Kg	1	09/23/21	JLI	SW8260C
Acrolein	ND	5.0		ug/Kg	1	09/23/21	JLI	SW8260C
Acrylonitrile	ND	20		ug/Kg	1	09/23/21	JLI	SW8260C
Tert-butyl alcohol	ND	100		ug/Kg	1	09/23/21	JLI	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 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.

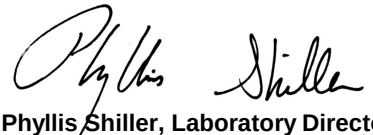
Comments:

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 you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

September 28, 2021

Reviewed and Released by: Ethan Lee, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 28, 2021

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/20/21	
Location Code:	BRUSSEE	Received by:	CP	09/21/21	15:23
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCJ33255
Phoenix ID: CJ33271

Project ID: 188 E 135TH ST BRONX NY
Client ID: TRIP BLANK HIGH

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Field Extraction	Completed					09/20/21		SW5035A	1
Volatiles									
1,1,1,2-Tetrachloroethane	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C	
1,1,1-Trichloroethane	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C	
1,1,2-Trichloroethane	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C	
1,1-Dichloroethane	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C	
1,1-Dichloroethene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C	
1,1-Dichloropropene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C	
1,2,3-Trichloropropane	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C	
1,2-Dibromoethane	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C	
1,2-Dichlorobenzene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C	
1,2-Dichloroethane	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C	
1,2-Dichloropropane	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C	
1,3-Dichlorobenzene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C	
1,3-Dichloropropane	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C	
1,4-Dichlorobenzene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C	
2,2-Dichloropropane	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C	
2-Chlorotoluene	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C	
2-Hexanone	ND	1300	250	ug/Kg	50	09/22/21	JLI	SW8260C	
2-Isopropyltoluene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C	1

Project ID: 188 E 135TH ST BRONX NY
Client ID: TRIP BLANK HIGH

Phoenix I.D.: CJ33271

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
4-Methyl-2-pentanone	ND	1300	250	ug/Kg	50	09/22/21	JLI	SW8260C
Acetone	ND	1300	250	ug/Kg	50	09/22/21	JLI	SW8260C
Acrylonitrile	ND	500	50	ug/Kg	50	09/22/21	JLI	SW8260C
Benzene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
Bromobenzene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
Bromochloromethane	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
Bromodichloromethane	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C
Bromoform	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C
Bromomethane	ND	250	100	ug/Kg	50	09/22/21	JLI	SW8260C
Carbon Disulfide	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C
Carbon tetrachloride	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C
Chlorobenzene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
Chloroethane	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
Chloroform	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
Chloromethane	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C
cis-1,2-Dichloroethene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
cis-1,3-Dichloropropene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
Dibromochloromethane	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C
Dibromomethane	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C
Dichlorodifluoromethane	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
Ethylbenzene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
Hexachlorobutadiene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
Isopropylbenzene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
m&p-Xylene	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C
Methyl Ethyl Ketone	ND	1500	250	ug/Kg	50	09/22/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	500	50	ug/Kg	50	09/22/21	JLI	SW8260C
Methylene chloride	ND	250	250	ug/Kg	50	09/22/21	JLI	SW8260C
Naphthalene	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C
n-Butylbenzene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
n-Propylbenzene	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C
o-Xylene	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C
p-Isopropyltoluene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
sec-Butylbenzene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
Styrene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
tert-Butylbenzene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
Tetrachloroethene	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND	500	130	ug/Kg	50	09/22/21	JLI	SW8260C
Toluene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	500	130	ug/Kg	50	09/22/21	JLI	SW8260C
Trichloroethene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
Trichlorofluoromethane	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C
Trichlorotrifluoroethane	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
Vinyl chloride	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4 (50x)	95			%	50	09/22/21	JLI	70 - 130 %
% Bromofluorobenzene (50x)	97			%	50	09/22/21	JLI	70 - 130 %

Ver 1

Project ID: 188 E 135TH ST BRONX NY
Client ID: TRIP BLANK HIGH

Phoenix I.D.: CJ33271

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Dibromofluoromethane (50x)	98			%	50	09/22/21	JLI	70 - 130 %
% Toluene-d8 (50x)	96			%	50	09/22/21	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	3800		ug/kg	50	09/22/21	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4 (50x)	95			%	50	09/22/21	JLI	70 - 130 %
% Bromofluorobenzene (50x)	97			%	50	09/22/21	JLI	70 - 130 %
% Dibromofluoromethane (50x)	98			%	50	09/22/21	JLI	70 - 130 %
% Toluene-d8 (50x)	96			%	50	09/22/21	JLI	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1000		ug/Kg	50	09/22/21	JLI	SW8260C
Acrolein	ND	250		ug/Kg	50	09/22/21	JLI	SW8260C
Acrylonitrile	ND	1000		ug/Kg	50	09/22/21	JLI	SW8260C
Tert-butyl alcohol	ND	5000		ug/Kg	50	09/22/21	JLI	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 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.

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Phyllis Shiller, Laboratory Director

September 28, 2021

Reviewed and Released by: Ethan Lee, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

September 28, 2021

QA/QC Data

SDG I.D.: GCJ33255

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 593003 (mg/kg), QC Sample No: CJ29167 (CJ33255, CJ33256, CJ33257, CJ33258, CJ33259, CJ33260, CJ33261, CJ33262, CJ33263, CJ33264, CJ33265, CJ33266, CJ33267, CJ33268, CJ33269)														
Mercury - Soil	BRL	0.03	<0.03	<0.03	NC	94.5	99.7	5.4	93.4	100	6.8	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 592905 (mg/kg), QC Sample No: CJ32650 (CJ33255, CJ33256, CJ33257, CJ33258, CJ33259)														
ICP Metals - Soil														
Aluminum	BRL	5.0	7350	7420	0.90	93.8	95.3	1.6	NC			75 - 125	35	
Antimony	BRL	3.3	<3.4	<3.2	NC	94.5	93.7	0.9	79.4			75 - 125	35	
Arsenic	BRL	0.67	3.11	3.08	NC	99.1	97.4	1.7	83.6			75 - 125	35	
Barium	BRL	0.33	87.7	94.4	7.40	100	102	2.0	75.0			75 - 125	35	
Beryllium	BRL	0.27	<0.28	<0.26	NC	94.9	93.7	1.3	83.4			75 - 125	35	
Cadmium	BRL	0.33	1.37	1.42	NC	103	98.8	4.2	91.7			75 - 125	35	
Calcium	BRL	5.0	1660	1740	4.70	104	102	1.9	NC			75 - 125	35	
Chromium	BRL	0.33	16.1	15.4	4.40	105	103	1.9	87.7			75 - 125	35	
Cobalt	BRL	0.33	7.24	7.41	2.30	99.3	98.6	0.7	87.2			75 - 125	35	
Copper	BRL	0.67	113	114	0.90	92.3	91.9	0.4	91.2			75 - 125	35	
Iron	BRL	5.0	15600	16200	3.80	75.2	78.7	4.5	NC			75 - 125	35	
Lead	BRL	0.33	80.0	76.2	4.90	105	109	3.7	87.4			75 - 125	35	
Magnesium	BRL	5.0	3350	3180	5.20	101	101	0.0	NC			75 - 125	35	
Manganese	BRL	0.33	235	243	3.30	94.5	114	18.7	90.3			75 - 125	35	
Nickel	BRL	0.33	14.1	14.3	1.40	95.1	94.5	0.6	82.7			75 - 125	35	
Potassium	BRL	5.0	2210	2130	3.70	98.3	98.8	0.5	64.5			75 - 125	35	m
Selenium	BRL	1.3	<1.4	<1.3	NC	91.8	93.2	1.5	79.1			75 - 125	35	
Silver	BRL	0.33	<0.34	<0.32	NC	89.7	86.8	3.3	82.5			75 - 125	35	
Sodium	BRL	5.0	131	124	5.50	93.7	93.3	0.4	124			75 - 125	35	
Thallium	BRL	3.0	<3.1	<2.9	NC	101	99.0	2.0	86.1			75 - 125	35	
Vanadium	BRL	0.33	29.4	28.7	2.40	95.6	99.1	3.6	86.4			75 - 125	35	
Zinc	BRL	0.67	181	178	1.70	101	107	5.8	81.5			75 - 125	35	
Comment:														
Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.														
QA/QC Batch 592944 (mg/kg), QC Sample No: CJ33263 (CJ33260, CJ33261, CJ33262, CJ33263, CJ33264, CJ33265, CJ33266, CJ33267, CJ33268, CJ33269)														
ICP Metals - Soil														
Aluminum	BRL	5.0	6560	6410	2.30	102	102	0.0	NC			75 - 125	35	
Antimony	BRL	3.3	<3.5	<3.6	NC	109	101	7.6	86.4			75 - 125	35	
Arsenic	BRL	0.67	4.27	5.67	28.2	99.4	97.4	2.0	87.9			75 - 125	35	
Barium	BRL	0.33	200	236	16.5	96.4	93.6	2.9	93.6			75 - 125	35	
Beryllium	BRL	0.27	0.39	0.43	NC	96.9	90.3	7.1	89.0			75 - 125	35	
Cadmium	BRL	0.33	0.90	1.03	NC	101	94.7	6.4	90.4			75 - 125	35	
Calcium	BRL	5.0	32500	20900	43.4	105	94.1	10.9	NC			75 - 125	35	r
Chromium	BRL	0.33	34.2	34.7	1.50	101	96.3	4.8	85.2			75 - 125	35	

QA/QC Data

SDG I.D.: GCJ33255

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Cobalt	BRL	0.33	7.55	8.27	9.10	100	94.9	5.2	90.6			75 - 125	35	
Copper	BRL	0.67	98.8	106	7.00	92.1	90.9	1.3	82.2			75 - 125	35	
Iron	BRL	5.0	14800	22400	40.9	71.4	69.5	2.7	NC			75 - 125	35	l,r
Lead	BRL	0.33	295	314	6.20	103	101	2.0	>130			75 - 125	35	m
Magnesium	BRL	5.0	5900	4350	30.2	99.8	98.8	1.0	NC			75 - 125	35	
Manganese	BRL	0.33	247	269	8.50	99.1	92.5	6.9	83.8			75 - 125	35	
Nickel	BRL	0.33	28.5	30.2	5.80	102	95.7	6.4	88.4			75 - 125	35	
Potassium	BRL	5.0	1400	1410	0.70	105	103	1.9	>130			75 - 125	35	m
Selenium	BRL	1.3	<1.4	<1.4	NC	94.2	98.8	4.8	87.0			75 - 125	35	
Silver	BRL	0.33	<0.35	<0.36	NC	92.8	90.2	2.8	87.4			75 - 125	35	
Sodium	BRL	5.0	200	222	10.4	95.4	97.9	2.6	>130			75 - 125	35	m
Thallium	BRL	3.0	<1.4	<3.3	NC	102	99.8	2.2	89.0			75 - 125	35	
Vanadium	BRL	0.33	23.6	27.7	16.0	97.0	95.8	1.2	90.7			75 - 125	35	
Zinc	BRL	0.67	304	307	1.00	98.5	95.8	2.8	>130			75 - 125	35	m

Comment:

Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.

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.

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NY # 11301

QA/QC Report

September 28, 2021

QA/QC Data

SDG I.D.: GCJ33255

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 592963 (ug/Kg), QC Sample No: CJ33255 2X (CJ33255, CJ33256, CJ33257, CJ33258, CJ33259, CJ33260, CJ33261, CJ33262, CJ33263, CJ33264, CJ33265, CJ33266, CJ33267, CJ33268, CJ33269)										
Polychlorinated Biphenyls - Soil										
PCB-1016	ND	33	80	84	4.9	74	66	11.4	40 - 140	30
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	81	85	4.8	74	66	11.4	40 - 140	30
PCB-1262	ND	33							40 - 140	30
PCB-1268	ND	33							40 - 140	30
% DCBP (Surrogate Rec)	62	%	83	85	2.4	76	66	14.1	30 - 150	30
% DCBP (Surrogate Rec) (Confirm	70	%	97	96	1.0	86	75	13.7	30 - 150	30
% TCMX (Surrogate Rec)	59	%	80	82	2.5	74	64	14.5	30 - 150	30
% TCMX (Surrogate Rec) (Confirm	59	%	82	82	0.0	73	64	13.1	30 - 150	30
QA/QC Batch 592964 (ug/Kg), QC Sample No: CJ33255 2X (CJ33255, CJ33256, CJ33257, CJ33258, CJ33259, CJ33260, CJ33261, CJ33262, CJ33263, CJ33264, CJ33265, CJ33266, CJ33267, CJ33268, CJ33269)										
Pesticides - Soil										
4,4' -DDD	ND	1.7	89	100	11.6	134	110	19.7	40 - 140	30
4,4' -DDE	ND	1.7	81	89	9.4	80	79	1.3	40 - 140	30
4,4' -DDT	ND	1.7	75	82	8.9	89	88	1.1	40 - 140	30
a-BHC	ND	1.0	79	81	2.5	73	72	1.4	40 - 140	30
a-Chlordane	ND	3.3	82	82	0.0	74	76	2.7	40 - 140	30
Aldrin	ND	1.0	78	86	9.8	73	68	7.1	40 - 140	30
b-BHC	ND	1.0	78	86	9.8	76	75	1.3	40 - 140	30
Chlordane	ND	33	81	89	9.4	81	74	9.0	40 - 140	30
d-BHC	ND	3.3	82	93	12.6	78	80	2.5	40 - 140	30
Dieldrin	ND	1.0	77	84	8.7	73	71	2.8	40 - 140	30
Endosulfan I	ND	3.3	72	84	15.4	67	64	4.6	40 - 140	30
Endosulfan II	ND	3.3	87	92	5.6	99	98	1.0	40 - 140	30
Endosulfan sulfate	ND	3.3	84	89	5.8	95	92	3.2	40 - 140	30
Endrin	ND	3.3	75	83	10.1	87	72	18.9	40 - 140	30
Endrin aldehyde	ND	3.3	60	67	11.0	90	89	1.1	40 - 140	30
Endrin ketone	ND	3.3	79	86	8.5	82	79	3.7	40 - 140	30
g-BHC	ND	1.0	77	83	7.5	84	83	1.2	40 - 140	30
g-Chlordane	ND	3.3	81	89	9.4	81	74	9.0	40 - 140	30
Heptachlor	ND	3.3	76	82	7.6	70	70	0.0	40 - 140	30
Heptachlor epoxide	ND	3.3	80	86	7.2	73	71	2.8	40 - 140	30
Methoxychlor	ND	3.3	76	85	11.2	81	79	2.5	40 - 140	30
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30
% DCBP	76	%	83	92	10.3	72	63	13.3	30 - 150	30
% DCBP (Confirmation)	76	%	81	90	10.5	70	71	1.4	30 - 150	30

QA/QC Data

SDG I.D.: GCJ33255

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
% TCMX	69	%	75	81	7.7	69	69	0.0	30 - 150	30	
% TCMX (Confirmation)	69	%	74	79	6.5	65	65	0.0	30 - 150	30	
QA/QC Batch 592897 (ug/kg), QC Sample No: CJ32650 (CJ33255, CJ33256, CJ33257)											
Semivolatiles - Soil											
1,2,4,5-Tetrachlorobenzene	ND	230	78	78	0.0	75	77	2.6	40 - 140	30	
1,2,4-Trichlorobenzene	ND	230	76	75	1.3	73	71	2.8	40 - 140	30	
1,2-Dichlorobenzene	ND	180	77	74	4.0	74	69	7.0	40 - 140	30	
1,2-Diphenylhydrazine	ND	230	94	96	2.1	90	88	2.2	40 - 140	30	
1,3-Dichlorobenzene	ND	230	78	74	5.3	75	69	8.3	40 - 140	30	
1,4-Dichlorobenzene	ND	230	76	74	2.7	74	70	5.6	40 - 140	30	
2,4,5-Trichlorophenol	ND	230	98	99	1.0	92	89	3.3	40 - 140	30	
2,4,6-Trichlorophenol	ND	130	100	102	2.0	92	92	0.0	30 - 130	30	
2,4-Dichlorophenol	ND	130	93	96	3.2	89	90	1.1	30 - 130	30	
2,4-Dimethylphenol	ND	230	101	103	2.0	94	93	1.1	30 - 130	30	
2,4-Dinitrophenol	ND	230	45	54	18.2	96	77	22.0	30 - 130	30	
2,4-Dinitrotoluene	ND	130	95	97	2.1	91	89	2.2	30 - 130	30	
2,6-Dinitrotoluene	ND	130	87	88	1.1	84	83	1.2	40 - 140	30	
2-Chloronaphthalene	ND	230	88	88	0.0	82	80	2.5	40 - 140	30	
2-Chlorophenol	ND	230	92	91	1.1	87	86	1.2	30 - 130	30	
2-Methylnaphthalene	ND	230	78	78	0.0	74	74	0.0	40 - 140	30	
2-Methylphenol (o-cresol)	ND	230	90	92	2.2	91	88	3.4	40 - 140	30	
2-Nitroaniline	ND	330	142	147	3.5	116	114	1.7	40 - 140	30	l
2-Nitrophenol	ND	230	112	112	0.0	106	105	0.9	40 - 140	30	
3&4-Methylphenol (m&p-cresol)	ND	230	88	90	2.2	87	87	0.0	30 - 130	30	
3,3'-Dichlorobenzidine	ND	130	80	90	11.8	34	29	15.9	40 - 140	30	m
3-Nitroaniline	ND	330	90	95	5.4	71	68	4.3	40 - 140	30	
4,6-Dinitro-2-methylphenol	ND	230	68	72	5.7	94	75	22.5	30 - 130	30	
4-Bromophenyl phenyl ether	ND	230	91	93	2.2	81	81	0.0	40 - 140	30	
4-Chloro-3-methylphenol	ND	230	98	100	2.0	94	93	1.1	30 - 130	30	
4-Chloroaniline	ND	230	82	87	5.9	56	54	3.6	40 - 140	30	
4-Chlorophenyl phenyl ether	ND	230	84	86	2.4	81	80	1.2	40 - 140	30	
4-Nitroaniline	ND	230	110	112	1.8	103	100	3.0	40 - 140	30	
4-Nitrophenol	ND	230	122	124	1.6	135	124	8.5	30 - 130	30	m
Acenaphthene	ND	230	91	91	0.0	85	88	3.5	30 - 130	30	
Acenaphthylene	ND	130	82	83	1.2	71	69	2.9	40 - 140	30	
Acetophenone	ND	230	75	74	1.3	74	73	1.4	40 - 140	30	
Aniline	ND	330	59	61	3.3	100	94	6.2	40 - 140	30	
Anthracene	ND	230	85	88	3.5	71	75	5.5	40 - 140	30	
Benz(a)anthracene	ND	230	87	89	2.3	52	60	14.3	40 - 140	30	
Benzidine	ND	330	64	77	18.4	<10	<10	NC	40 - 140	30	m
Benzo(a)pyrene	ND	130	90	92	2.2	49	58	16.8	40 - 140	30	
Benzo(b)fluoranthene	ND	160	91	96	5.3	62	73	16.3	40 - 140	30	
Benzo(ghi)perylene	ND	230	95	99	4.1	54	57	5.4	40 - 140	30	
Benzo(k)fluoranthene	ND	230	93	93	0.0	46	51	10.3	40 - 140	30	
Benzoic Acid	ND	670	54	57	5.4	104	101	2.9	30 - 130	30	
Benzyl butyl phthalate	ND	230	96	99	3.1	89	87	2.3	40 - 140	30	
Bis(2-chloroethoxy)methane	ND	230	83	82	1.2	78	77	1.3	40 - 140	30	
Bis(2-chloroethyl)ether	ND	130	77	75	2.6	74	72	2.7	40 - 140	30	
Bis(2-chloroisopropyl)ether	ND	230	69	67	2.9	68	64	6.1	40 - 140	30	
Bis(2-ethylhexyl)phthalate	ND	230	97	100	3.0	89	90	1.1	40 - 140	30	
Carbazole	ND	230	82	85	3.6	82	81	1.2	40 - 140	30	
Chrysene	ND	230	89	91	2.2	54	60	10.5	40 - 140	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Dibenz(a,h)anthracene	ND	130	100	103	3.0	81	82	1.2	40 - 140	30	
Dibenzofuran	ND	230	80	81	1.2	76	78	2.6	40 - 140	30	
Diethyl phthalate	ND	230	88	89	1.1	83	83	0.0	40 - 140	30	
Dimethylphthalate	ND	230	91	91	0.0	84	84	0.0	40 - 140	30	
Di-n-butylphthalate	ND	670	89	91	2.2	85	83	2.4	40 - 140	30	
Di-n-octylphthalate	ND	230	106	109	2.8	105	99	5.9	40 - 140	30	
Fluoranthene	ND	230	84	86	2.4	22	36	48.3	40 - 140	30	m,r
Fluorene	ND	230	87	88	1.1	80	83	3.7	40 - 140	30	
Hexachlorobenzene	ND	130	91	95	4.3	84	85	1.2	40 - 140	30	
Hexachlorobutadiene	ND	230	84	82	2.4	79	76	3.9	40 - 140	30	
Hexachlorocyclopentadiene	ND	230	79	79	0.0	38	23	49.2	40 - 140	30	m,r
Hexachloroethane	ND	130	77	73	5.3	75	67	11.3	40 - 140	30	
Indeno(1,2,3-cd)pyrene	ND	230	99	102	3.0	54	59	8.8	40 - 140	30	
Isophorone	ND	130	70	71	1.4	67	66	1.5	40 - 140	30	
Naphthalene	ND	230	78	78	0.0	75	74	1.3	40 - 140	30	
Nitrobenzene	ND	130	84	84	0.0	83	81	2.4	40 - 140	30	
N-Nitrosodimethylamine	ND	230	69	66	4.4	66	57	14.6	40 - 140	30	
N-Nitrosodi-n-propylamine	ND	130	79	79	0.0	78	75	3.9	40 - 140	30	
N-Nitrosodiphenylamine	ND	130	87	89	2.3	83	80	3.7	40 - 140	30	
Pentachloronitrobenzene	ND	230	106	107	0.9	96	98	2.1	40 - 140	30	
Pentachlorophenol	ND	230	104	108	3.8	101	103	2.0	30 - 130	30	
Phenanthrene	ND	130	86	87	1.2	54	71	27.2	40 - 140	30	
Phenol	ND	230	85	83	2.4	83	82	1.2	30 - 130	30	
Pyrene	ND	230	85	88	3.5	33	45	30.8	30 - 130	30	r
Pyridine	ND	230	54	50	7.7	51	44	14.7	40 - 140	30	
% 2,4,6-Tribromophenol	108	%	114	117	2.6	105	103	1.9	30 - 130	30	
% 2-Fluorobiphenyl	80	%	81	80	1.2	72	70	2.8	30 - 130	30	
% 2-Fluorophenol	71	%	80	78	2.5	75	73	2.7	30 - 130	30	
% Nitrobenzene-d5	75	%	85	84	1.2	82	80	2.5	30 - 130	30	
% Phenol-d5	75	%	79	80	1.3	77	76	1.3	30 - 130	30	
% Terphenyl-d14	81	%	80	82	2.5	80	78	2.5	30 - 130	30	

Comment:

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

QA/QC Batch 592934 (ug/kg), QC Sample No: CJ33274 (CJ33258, CJ33259, CJ33260, CJ33261, CJ33262, CJ33263, CJ33264, CJ33265, CJ33266, CJ33267, CJ33268, CJ33269)

Semivolatiles - Soil

1,2,4,5-Tetrachlorobenzene	ND	230	81	87	7.1	70	83	17.0	40 - 140	30	
1,2,4-Trichlorobenzene	ND	230	76	76	0.0	61	78	24.5	40 - 140	30	
1,2-Dichlorobenzene	ND	180	77	74	4.0	54	76	33.8	40 - 140	30	r
1,2-Diphenylhydrazine	ND	230	86	90	4.5	79	86	8.5	40 - 140	30	
1,3-Dichlorobenzene	ND	230	76	70	8.2	52	73	33.6	40 - 140	30	r
1,4-Dichlorobenzene	ND	230	80	75	6.5	56	77	31.6	40 - 140	30	r
2,4,5-Trichlorophenol	ND	230	96	104	8.0	84	98	15.4	40 - 140	30	
2,4,6-Trichlorophenol	ND	130	101	104	2.9	86	100	15.1	30 - 130	30	
2,4-Dichlorophenol	ND	130	93	97	4.2	81	93	13.8	30 - 130	30	
2,4-Dimethylphenol	ND	230	97	102	5.0	78	97	21.7	30 - 130	30	
2,4-Dinitrophenol	ND	230	32	26	20.7	64	35	58.6	30 - 130	30	l,r
2,4-Dinitrotoluene	ND	130	88	95	7.7	81	89	9.4	30 - 130	30	
2,6-Dinitrotoluene	ND	130	89	97	8.6	78	91	15.4	40 - 140	30	
2-Chloronaphthalene	ND	230	86	89	3.4	74	87	16.1	40 - 140	30	
2-Chlorophenol	ND	230	87	85	2.3	63	85	29.7	30 - 130	30	

QA/QC Data

SDG I.D.: GCJ33255

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
2-Methylnaphthalene	ND	230	82	86	4.8	70	82	15.8	40 - 140	30	
2-Methylphenol (o-cresol)	ND	230	95	97	2.1	70	97	32.3	40 - 140	30	r
2-Nitroaniline	ND	330	179	184	2.8	159	182	13.5	40 - 140	30	l,m
2-Nitrophenol	ND	230	96	97	1.0	78	94	18.6	40 - 140	30	
3&4-Methylphenol (m&p-cresol)	ND	230	102	107	4.8	79	103	26.4	30 - 130	30	
3,3'-Dichlorobenzidine	ND	130	104	113	8.3	90	105	15.4	40 - 140	30	
3-Nitroaniline	ND	330	107	116	8.1	91	105	14.3	40 - 140	30	
4,6-Dinitro-2-methylphenol	ND	230	61	46	28.0	74	56	27.7	30 - 130	30	
4-Bromophenyl phenyl ether	ND	230	90	96	6.5	81	92	12.7	40 - 140	30	
4-Chloro-3-methylphenol	ND	230	95	101	6.1	86	95	9.9	30 - 130	30	
4-Chloroaniline	ND	230	90	94	4.3	77	90	15.6	40 - 140	30	
4-Chlorophenyl phenyl ether	ND	230	92	97	5.3	81	93	13.8	40 - 140	30	
4-Nitroaniline	ND	230	97	103	6.0	86	97	12.0	40 - 140	30	
4-Nitrophenol	ND	230	11	107	162.7	85	100	16.2	30 - 130	30	l,r
Acenaphthene	ND	230	92	98	6.3	80	95	17.1	30 - 130	30	
Acenaphthylene	ND	130	84	88	4.7	74	85	13.8	40 - 140	30	
Acetophenone	ND	230	81	81	0.0	59	81	31.4	40 - 140	30	r
Aniline	ND	330	73	72	1.4	53	72	30.4	40 - 140	30	
Anthracene	ND	230	89	94	5.5	79	89	11.9	40 - 140	30	
Benz(a)anthracene	ND	230	89	98	9.6	80	90	11.8	40 - 140	30	
Benzidine	ND	330	62	62	0.0	37	48	25.9	40 - 140	30	m
Benzo(a)pyrene	ND	130	84	89	5.8	76	84	10.0	40 - 140	30	
Benzo(b)fluoranthene	ND	160	84	87	3.5	78	83	6.2	40 - 140	30	
Benzo(ghi)perylene	ND	230	93	97	4.2	83	93	11.4	40 - 140	30	
Benzo(k)fluoranthene	ND	230	82	86	4.8	76	84	10.0	40 - 140	30	
Benzoic Acid	ND	670	25	15	50.0	16	16	0.0	30 - 130	30	l,m,r
Benzyl butyl phthalate	ND	230	85	94	10.1	79	85	7.3	40 - 140	30	
Bis(2-chloroethoxy)methane	ND	230	82	83	1.2	65	80	20.7	40 - 140	30	
Bis(2-chloroethyl)ether	ND	130	74	74	0.0	56	74	27.7	40 - 140	30	
Bis(2-chloroisopropyl)ether	ND	230	70	67	4.4	51	69	30.0	40 - 140	30	
Bis(2-ethylhexyl)phthalate	ND	230	82	88	7.1	74	81	9.0	40 - 140	30	
Carbazole	ND	230	91	96	5.3	81	91	11.6	40 - 140	30	
Chrysene	ND	230	91	97	6.4	83	91	9.2	40 - 140	30	
Dibenz(a,h)anthracene	ND	130	97	100	3.0	82	94	13.6	40 - 140	30	
Dibenzofuran	ND	230	86	91	5.6	77	86	11.0	40 - 140	30	
Diethyl phthalate	ND	230	91	96	5.3	81	92	12.7	40 - 140	30	
Dimethylphthalate	ND	230	90	95	5.4	82	89	8.2	40 - 140	30	
Di-n-butylphthalate	ND	670	85	89	4.6	77	84	8.7	40 - 140	30	
Di-n-octylphthalate	ND	230	97	108	10.7	90	97	7.5	40 - 140	30	
Fluoranthene	ND	230	83	86	3.6	77	81	5.1	40 - 140	30	
Fluorene	ND	230	89	93	4.4	79	90	13.0	40 - 140	30	
Hexachlorobenzene	ND	130	92	97	5.3	80	95	17.1	40 - 140	30	
Hexachlorobutadiene	ND	230	80	78	2.5	64	80	22.2	40 - 140	30	
Hexachlorocyclopentadiene	ND	230	69	72	4.3	52	68	26.7	40 - 140	30	
Hexachloroethane	ND	130	76	74	2.7	55	74	29.5	40 - 140	30	
Indeno(1,2,3-cd)pyrene	ND	230	98	104	5.9	87	99	12.9	40 - 140	30	
Isophorone	ND	130	71	74	4.1	62	70	12.1	40 - 140	30	
Naphthalene	ND	230	77	79	2.6	63	77	20.0	40 - 140	30	
Nitrobenzene	ND	130	87	87	0.0	67	88	27.1	40 - 140	30	
N-Nitrosodimethylamine	ND	230	79	69	13.5	48	66	31.6	40 - 140	30	r
N-Nitrosodi-n-propylamine	ND	130	85	84	1.2	69	87	23.1	40 - 140	30	
N-Nitrosodiphenylamine	ND	130	87	93	6.7	78	86	9.8	40 - 140	30	
Pentachloronitrobenzene	ND	230	95	101	6.1	85	98	14.2	40 - 140	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Pentachlorophenol	ND	230	117	105	10.8	91	92	1.1	30 - 130	30	
Phenanthrene	ND	130	90	97	7.5	80	89	10.7	40 - 140	30	
Phenol	ND	230	87	89	2.3	67	89	28.2	30 - 130	30	
Pyrene	ND	230	69	73	5.6	65	68	4.5	30 - 130	30	
Pyridine	ND	230	52	49	5.9	36	48	28.6	40 - 140	30	m
% 2,4,6-Tribromophenol	107	%	108	111	2.7	93	107	14.0	30 - 130	30	
% 2-Fluorobiphenyl	85	%	77	79	2.6	65	78	18.2	30 - 130	30	
% 2-Fluorophenol	72	%	83	82	1.2	58	82	34.3	30 - 130	30	r
% Nitrobenzene-d5	80	%	83	81	2.4	63	81	25.0	30 - 130	30	
% Phenol-d5	79	%	92	95	3.2	69	92	28.6	30 - 130	30	
% Terphenyl-d14	79	%	82	86	4.8	75	80	6.5	30 - 130	30	

Comment:

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

QA/QC Batch 592901 (ug/kg), QC Sample No: CJ32264 (CJ33255)

Polynuclear Aromatic HC - Soil

1,4-dioxane	ND	67	40	47	16.1	46	46	0.0	30 - 130	30	
% 2-Fluorobiphenyl	64	%	60	65	8.0	62	71	13.5	30 - 130	30	
% Nitrobenzene-d5	75	%	67	70	4.4	64	88	31.6	30 - 130	30	r
% Terphenyl-d14	77	%	76	82	7.6	79	83	4.9	30 - 130	30	

Comment:

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

QA/QC Batch 593231H (ug/kg), QC Sample No: CJ32708 (CJ33271 (50X))

Volatiles - Soil (High Level)

1,1,1,2-Tetrachloroethane	ND	5.0	112	110	1.8				70 - 130	30	
1,1,1-Trichloroethane	ND	5.0	101	100	1.0				70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	5.0	109	104	4.7				70 - 130	30	
1,1,2-Trichloroethane	ND	5.0	104	103	1.0				70 - 130	30	
1,1-Dichloroethane	ND	5.0	97	96	1.0				70 - 130	30	
1,1-Dichloroethene	ND	5.0	96	92	4.3				70 - 130	30	
1,1-Dichloropropene	ND	5.0	110	109	0.9				70 - 130	30	
1,2,3-Trichlorobenzene	ND	5.0	129	125	3.1				70 - 130	30	
1,2,3-Trichloropropane	ND	5.0	103	100	3.0				70 - 130	30	
1,2,4-Trichlorobenzene	ND	5.0	128	119	7.3				70 - 130	30	
1,2,4-Trimethylbenzene	ND	5.0	116	113	2.6				70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	5.0	121	117	3.4				70 - 130	30	
1,2-Dibromoethane	ND	5.0	112	110	1.8				70 - 130	30	
1,2-Dichlorobenzene	ND	5.0	116	111	4.4				70 - 130	30	
1,2-Dichloroethane	ND	5.0	104	103	1.0				70 - 130	30	
1,2-Dichloropropane	ND	5.0	104	103	1.0				70 - 130	30	
1,3,5-Trimethylbenzene	ND	5.0	118	115	2.6				70 - 130	30	
1,3-Dichlorobenzene	ND	5.0	116	111	4.4				70 - 130	30	
1,3-Dichloropropane	ND	5.0	108	108	0.0				70 - 130	30	
1,4-Dichlorobenzene	ND	5.0	114	111	2.7				70 - 130	30	
1,4-dioxane	ND	100	115	115	0.0				70 - 130	30	
2,2-Dichloropropane	ND	5.0	105	103	1.9				70 - 130	30	
2-Chlorotoluene	ND	5.0	120	115	4.3				70 - 130	30	
2-Hexanone	ND	25	96	92	4.3				70 - 130	30	
2-Isopropyltoluene	ND	5.0	120	116	3.4				70 - 130	30	
4-Chlorotoluene	ND	5.0	122	116	5.0				70 - 130	30	
4-Methyl-2-pentanone	ND	25	102	99	3.0				70 - 130	30	

QA/QC Data

SDG I.D.: GCJ33255

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Acetone	ND	10	81	72	11.8				70 - 130	30	
Acrolein	ND	25	97	91	6.4				70 - 130	30	
Acrylonitrile	ND	5.0	92	88	4.4				70 - 130	30	
Benzene	ND	5.0	105	104	1.0				70 - 130	30	
Bromobenzene	ND	5.0	118	115	2.6				70 - 130	30	
Bromochloromethane	ND	5.0	99	97	2.0				70 - 130	30	
Bromodichloromethane	ND	5.0	107	105	1.9				70 - 130	30	
Bromoform	ND	5.0	109	104	4.7				70 - 130	30	
Bromomethane	ND	5.0	56	59	5.2				70 - 130	30	I
Carbon Disulfide	ND	5.0	71	64	10.4				70 - 130	30	I
Carbon tetrachloride	ND	5.0	97	95	2.1				70 - 130	30	
Chlorobenzene	ND	5.0	108	107	0.9				70 - 130	30	
Chloroethane	ND	5.0	21	20	4.9				70 - 130	30	I
Chloroform	ND	5.0	97	94	3.1				70 - 130	30	
Chloromethane	ND	5.0	90	89	1.1				70 - 130	30	
cis-1,2-Dichloroethene	ND	5.0	98	99	1.0				70 - 130	30	
cis-1,3-Dichloropropene	ND	5.0	110	108	1.8				70 - 130	30	
Dibromochloromethane	ND	3.0	113	110	2.7				70 - 130	30	
Dibromomethane	ND	5.0	109	108	0.9				70 - 130	30	
Dichlorodifluoromethane	ND	5.0	115	115	0.0				70 - 130	30	
Ethylbenzene	ND	5.0	112	110	1.8				70 - 130	30	
Hexachlorobutadiene	ND	5.0	130	126	3.1				70 - 130	30	
Isopropylbenzene	ND	5.0	121	116	4.2				70 - 130	30	
m&p-Xylene	ND	5.0	110	109	0.9				70 - 130	30	
Methyl ethyl ketone	ND	5.0	85	85	0.0				70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	5.0	92	91	1.1				70 - 130	30	
Methylene chloride	ND	5.0	86	83	3.6				70 - 130	30	
Naphthalene	ND	5.0	126	121	4.0				70 - 130	30	
n-Butylbenzene	ND	5.0	125	120	4.1				70 - 130	30	
n-Propylbenzene	ND	5.0	121	118	2.5				70 - 130	30	
o-Xylene	ND	5.0	112	110	1.8				70 - 130	30	
p-Isopropyltoluene	ND	5.0	122	119	2.5				70 - 130	30	
sec-Butylbenzene	ND	5.0	120	117	2.5				70 - 130	30	
Styrene	ND	5.0	109	107	1.9				70 - 130	30	
tert-butyl alcohol	ND	100	110	112	1.8				70 - 130	30	
tert-Butylbenzene	ND	5.0	121	118	2.5				70 - 130	30	
Tetrachloroethene	ND	5.0	111	109	1.8				70 - 130	30	
Tetrahydrofuran (THF)	ND	5.0	90	86	4.5				70 - 130	30	
Toluene	ND	5.0	108	107	0.9				70 - 130	30	
trans-1,2-Dichloroethene	ND	5.0	99	97	2.0				70 - 130	30	
trans-1,3-Dichloropropene	ND	5.0	111	108	2.7				70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	123	116	5.9				70 - 130	30	
Trichloroethene	ND	5.0	108	106	1.9				70 - 130	30	
Trichlorofluoromethane	ND	5.0	21	21	0.0				70 - 130	30	I
Trichlorotrifluoroethane	ND	5.0	91	89	2.2				70 - 130	30	
Vinyl chloride	ND	5.0	101	100	1.0				70 - 130	30	
% 1,2-dichlorobenzene-d4	95	%	102	100	2.0				70 - 130	30	
% Bromofluorobenzene	99	%	98	99	1.0				70 - 130	30	
% Dibromofluoromethane	100	%	96	95	1.0				70 - 130	30	
% Toluene-d8	95	%	100	100	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%, 25-160% for Chloroethane-HL and Trichlorofluoromethane-HL.

QA/QC Data

SDG I.D.: GCJ33255

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 593050 (ug/kg), QC Sample No: CJ33123 (CJ33255, CJ33256, CJ33257, CJ33258, CJ33259, CJ33260)											
Volatiles - Soil (Low Level)											
1,1,1,2-Tetrachloroethane	ND	5.0	100	101	1.0	98	96	2.1	70 - 130	30	
1,1,1-Trichloroethane	ND	5.0	88	89	1.1	87	88	1.1	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	3.0	97	97	0.0	87	87	0.0	70 - 130	30	
1,1,2-Trichloroethane	ND	5.0	94	94	0.0	90	88	2.2	70 - 130	30	
1,1-Dichloroethane	ND	5.0	86	88	2.3	85	85	0.0	70 - 130	30	
1,1-Dichloroethene	ND	5.0	83	84	1.2	84	83	1.2	70 - 130	30	
1,1-Dichloropropene	ND	5.0	91	92	1.1	92	90	2.2	70 - 130	30	
1,2,3-Trichlorobenzene	ND	5.0	105	107	1.9	84	79	6.1	70 - 130	30	
1,2,3-Trichloropropane	ND	5.0	93	94	1.1	88	85	3.5	70 - 130	30	
1,2,4-Trichlorobenzene	ND	5.0	102	104	1.9	81	75	7.7	70 - 130	30	
1,2,4-Trimethylbenzene	ND	1.0	99	100	1.0	89	83	7.0	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	5.0	106	106	0.0	93	93	0.0	70 - 130	30	
1,2-Dibromoethane	ND	5.0	99	100	1.0	95	93	2.1	70 - 130	30	
1,2-Dichlorobenzene	ND	5.0	97	98	1.0	89	84	5.8	70 - 130	30	
1,2-Dichloroethane	ND	5.0	87	87	0.0	86	85	1.2	70 - 130	30	
1,2-Dichloropropane	ND	5.0	89	89	0.0	88	86	2.3	70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0	100	102	2.0	94	89	5.5	70 - 130	30	
1,3-Dichlorobenzene	ND	5.0	98	100	2.0	90	85	5.7	70 - 130	30	
1,3-Dichloropropane	ND	5.0	97	97	0.0	94	92	2.2	70 - 130	30	
1,4-Dichlorobenzene	ND	5.0	98	98	0.0	88	83	5.8	70 - 130	30	
1,4-dioxane	ND	100	102	92	10.3	141	178	23.2	70 - 130	30	m
2,2-Dichloropropane	ND	5.0	96	97	1.0	91	91	0.0	70 - 130	30	
2-Chlorotoluene	ND	5.0	99	102	3.0	94	90	4.3	70 - 130	30	
2-Hexanone	ND	25	88	86	2.3	44	29	41.1	70 - 130	30	m,r
2-Isopropyltoluene	ND	5.0	100	101	1.0	93	90	3.3	70 - 130	30	
4-Chlorotoluene	ND	5.0	99	101	2.0	91	86	5.6	70 - 130	30	
4-Methyl-2-pentanone	ND	25	89	88	1.1	60	49	20.2	70 - 130	30	m
Acetone	ND	10	71	69	2.9	63	61	3.2	70 - 130	30	l,m
Acrolein	ND	25	117	114	2.6	15	<10	NC	70 - 130	30	m
Acrylonitrile	ND	5.0	87	86	1.2	78	78	0.0	70 - 130	30	
Benzene	ND	1.0	92	93	1.1	91	89	2.2	70 - 130	30	
Bromobenzene	ND	5.0	100	102	2.0	95	91	4.3	70 - 130	30	
Bromochloromethane	ND	5.0	91	91	0.0	88	88	0.0	70 - 130	30	
Bromodichloromethane	ND	5.0	91	91	0.0	89	87	2.3	70 - 130	30	
Bromoform	ND	5.0	99	101	2.0	94	93	1.1	70 - 130	30	
Bromomethane	ND	5.0	84	83	1.2	87	87	0.0	70 - 130	30	
Carbon Disulfide	ND	5.0	77	78	1.3	77	76	1.3	70 - 130	30	
Carbon tetrachloride	ND	5.0	84	85	1.2	84	103	20.3	70 - 130	30	
Chlorobenzene	ND	5.0	96	97	1.0	93	89	4.4	70 - 130	30	
Chloroethane	ND	5.0	80	80	0.0	84	85	1.2	70 - 130	30	
Chloroform	ND	5.0	87	87	0.0	85	84	1.2	70 - 130	30	
Chloromethane	ND	5.0	82	82	0.0	86	84	2.4	70 - 130	30	
cis-1,2-Dichloroethene	ND	5.0	93	89	4.4	85	84	1.2	70 - 130	30	
cis-1,3-Dichloropropene	ND	5.0	96	96	0.0	90	88	2.2	70 - 130	30	
Dibromochloromethane	ND	3.0	98	99	1.0	95	93	2.1	70 - 130	30	
Dibromomethane	ND	5.0	93	94	1.1	90	88	2.2	70 - 130	30	
Dichlorodifluoromethane	ND	5.0	83	84	1.2	106	105	0.9	70 - 130	30	
Ethylbenzene	ND	1.0	98	100	2.0	93	89	4.4	70 - 130	30	
Hexachlorobutadiene	ND	5.0	99	103	4.0	82	79	3.7	70 - 130	30	
Isopropylbenzene	ND	1.0	101	104	2.9	97	94	3.1	70 - 130	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
m&p-Xylene	ND	2.0	98	99	1.0	93	89	4.4	70 - 130	30	
Methyl ethyl ketone	ND	5.0	79	79	0.0	63	55	13.6	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	1.0	85	85	0.0	81	80	1.2	70 - 130	30	
Methylene chloride	ND	5.0	74	75	1.3	73	71	2.8	70 - 130	30	
Naphthalene	ND	5.0	114	113	0.9	87	81	7.1	70 - 130	30	
n-Butylbenzene	ND	1.0	100	102	2.0	89	83	7.0	70 - 130	30	
n-Propylbenzene	ND	1.0	101	103	2.0	95	90	5.4	70 - 130	30	
o-Xylene	ND	2.0	97	98	1.0	93	91	2.2	70 - 130	30	
p-Isopropyltoluene	ND	1.0	101	103	2.0	90	82	9.3	70 - 130	30	
sec-Butylbenzene	ND	1.0	101	103	2.0	95	91	4.3	70 - 130	30	
Styrene	ND	5.0	99	100	1.0	91	86	5.6	70 - 130	30	
tert-butyl alcohol	ND	100	100	92	8.3	134	156	15.2	70 - 130	30	m
tert-Butylbenzene	ND	1.0	101	102	1.0	97	93	4.2	70 - 130	30	
Tetrachloroethene	ND	5.0	94	95	1.1	93	90	3.3	70 - 130	30	
Tetrahydrofuran (THF)	ND	5.0	82	81	1.2	76	76	0.0	70 - 130	30	
Toluene	ND	1.0	94	96	2.1	92	89	3.3	70 - 130	30	
trans-1,2-Dichloroethene	ND	5.0	84	86	2.4	83	82	1.2	70 - 130	30	
trans-1,3-Dichloropropene	ND	5.0	99	100	1.0	92	90	2.2	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	115	116	0.9	99	95	4.1	70 - 130	30	
Trichloroethene	ND	5.0	93	94	1.1	96	91	5.3	70 - 130	30	
Trichlorofluoromethane	ND	5.0	84	85	1.2	89	89	0.0	70 - 130	30	
Trichlorotrifluoroethane	ND	5.0	76	77	1.3	78	78	0.0	70 - 130	30	
Vinyl chloride	ND	5.0	85	86	1.2	89	90	1.1	70 - 130	30	
% 1,2-dichlorobenzene-d4	99	%	100	98	2.0	99	99	0.0	70 - 130	30	
% Bromofluorobenzene	94	%	99	99	0.0	98	99	1.0	70 - 130	30	
% Dibromofluoromethane	95	%	94	97	3.1	95	94	1.1	70 - 130	30	
% Toluene-d8	96	%	98	99	1.0	99	99	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%, 25-160% for Chloroethane-HL and Trichlorofluoromethane-HL.

QA/QC Batch 593436 (ug/kg), QC Sample No: CJ33264 (CJ33264)

Volatiles - Soil (Low Level)

1,1,1,2-Tetrachloroethane	ND	5.0	103	102	1.0				70 - 130	30	
1,1,1-Trichloroethane	ND	5.0	92	91	1.1				70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	3.0	95	95	0.0				70 - 130	30	
1,1,2-Trichloroethane	ND	5.0	93	95	2.1				70 - 130	30	
1,1-Dichloroethane	ND	5.0	91	90	1.1				70 - 130	30	
1,1-Dichloroethene	ND	5.0	87	85	2.3				70 - 130	30	
1,1-Dichloropropene	ND	5.0	96	94	2.1				70 - 130	30	
1,2,3-Trichlorobenzene	ND	5.0	99	98	1.0				70 - 130	30	
1,2,3-Trichloropropane	ND	5.0	93	99	6.3				70 - 130	30	
1,2,4-Trichlorobenzene	ND	5.0	94	92	2.2				70 - 130	30	
1,2,4-Trimethylbenzene	ND	1.0	97	95	2.1				70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	5.0	100	100	0.0				70 - 130	30	
1,2-Dibromoethane	ND	5.0	99	99	0.0				70 - 130	30	
1,2-Dichlorobenzene	ND	5.0	95	94	1.1				70 - 130	30	
1,2-Dichloroethane	ND	5.0	92	91	1.1				70 - 130	30	
1,2-Dichloropropane	ND	5.0	92	91	1.1				70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0	99	97	2.0				70 - 130	30	
1,3-Dichlorobenzene	ND	5.0	95	94	1.1				70 - 130	30	
1,3-Dichloropropane	ND	5.0	98	97	1.0				70 - 130	30	
1,4-Dichlorobenzene	ND	5.0	94	93	1.1				70 - 130	30	

QA/QC Data

SDG I.D.: GCJ33255

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,4-dioxane	ND	100	107	92	15.1				70 - 130	30
2,2-Dichloropropane	ND	5.0	98	96	2.1				70 - 130	30
2-Chlorotoluene	ND	5.0	98	97	1.0				70 - 130	30
2-Hexanone	ND	25	84	84	0.0				70 - 130	30
2-Isopropyltoluene	ND	5.0	98	97	1.0				70 - 130	30
4-Chlorotoluene	ND	5.0	97	95	2.1				70 - 130	30
4-Methyl-2-pentanone	ND	25	87	88	1.1				70 - 130	30
Acetone	ND	10	72	71	1.4				70 - 130	30
Acrolein	ND	25	110	112	1.8				70 - 130	30
Acrylonitrile	ND	5.0	84	86	2.4				70 - 130	30
Bromobenzene	ND	5.0	99	99	0.0				70 - 130	30
Bromochloromethane	ND	5.0	92	93	1.1				70 - 130	30
Bromodichloromethane	ND	5.0	95	94	1.1				70 - 130	30
Bromoform	ND	5.0	100	100	0.0				70 - 130	30
Bromomethane	ND	5.0	86	88	2.3				70 - 130	30
Carbon Disulfide	ND	5.0	80	80	0.0				70 - 130	30
Carbon tetrachloride	ND	5.0	89	87	2.3				70 - 130	30
Chlorobenzene	ND	5.0	95	94	1.1				70 - 130	30
Chloroethane	ND	5.0	84	84	0.0				70 - 130	30
Chloroform	ND	5.0	90	89	1.1				70 - 130	30
Chloromethane	ND	5.0	92	90	2.2				70 - 130	30
cis-1,2-Dichloroethene	ND	5.0	90	89	1.1				70 - 130	30
cis-1,3-Dichloropropene	ND	5.0	97	97	0.0				70 - 130	30
Dibromochloromethane	ND	3.0	99	100	1.0				70 - 130	30
Dibromomethane	ND	5.0	94	95	1.1				70 - 130	30
Dichlorodifluoromethane	ND	5.0	106	102	3.8				70 - 130	30
Ethylbenzene	ND	1.0	98	96	2.1				70 - 130	30
Hexachlorobutadiene	ND	5.0	97	93	4.2				70 - 130	30
Isopropylbenzene	ND	1.0	101	100	1.0				70 - 130	30
m&p-Xylene	ND	2.0	98	96	2.1				70 - 130	30
Methyl ethyl ketone	ND	5.0	81	80	1.2				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	84	85	1.2				70 - 130	30
Methylene chloride	ND	5.0	76	76	0.0				70 - 130	30
n-Butylbenzene	ND	1.0	98	95	3.1				70 - 130	30
n-Propylbenzene	ND	1.0	99	98	1.0				70 - 130	30
o-Xylene	ND	2.0	96	95	1.0				70 - 130	30
p-Isopropyltoluene	ND	1.0	99	97	2.0				70 - 130	30
sec-Butylbenzene	ND	1.0	99	97	2.0				70 - 130	30
Styrene	ND	5.0	98	96	2.1				70 - 130	30
tert-butyl alcohol	ND	100	102	94	8.2				70 - 130	30
tert-Butylbenzene	ND	1.0	100	98	2.0				70 - 130	30
Tetrachloroethene	ND	5.0	94	92	2.2				70 - 130	30
Tetrahydrofuran (THF)	ND	5.0	81	81	0.0				70 - 130	30
Toluene	ND	1.0	96	95	1.0				70 - 130	30
trans-1,2-Dichloroethene	ND	5.0	88	85	3.5				70 - 130	30
trans-1,3-Dichloropropene	ND	5.0	101	101	0.0				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	112	108	3.6				70 - 130	30
Trichloroethene	ND	5.0	96	94	2.1				70 - 130	30
Trichlorofluoromethane	ND	5.0	91	88	3.4				70 - 130	30
Trichlorotrifluoroethane	ND	5.0	78	77	1.3				70 - 130	30
Vinyl chloride	ND	5.0	94	93	1.1				70 - 130	30
% 1,2-dichlorobenzene-d4	99	%	99	100	1.0				70 - 130	30
% Bromofluorobenzene	95	%	99	99	0.0				70 - 130	30

Parameter	Blank	Blk RL		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
% Dibromofluoromethane	95	%		96	96	0.0				70 - 130	30	
% Toluene-d8	97	%		100	100	0.0				70 - 130	30	

Comment:

The Low Level MS/MSD are not reported for this batch.

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%, 25-160% for Chloroethane-HL and Trichlorofluoromethane-HL.

QA/QC Batch 593228 (ug/kg), QC Sample No: CJ34410 (CJ33261, CJ33262, CJ33263, CJ33265, CJ33266, CJ33267, CJ33268, CJ33269, CJ33270)

Volatiles - Soil (Low Level)

1,1,1,2-Tetrachloroethane	ND	5.0		100	103	3.0	92	96	4.3	70 - 130	30	
1,1,1-Trichloroethane	ND	5.0		88	89	1.1	85	87	2.3	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	3.0		95	97	2.1	82	84	2.4	70 - 130	30	
1,1,2-Trichloroethane	ND	5.0		93	95	2.1	85	87	2.3	70 - 130	30	
1,1-Dichloroethane	ND	5.0		87	89	2.3	84	84	0.0	70 - 130	30	
1,1-Dichloroethene	ND	5.0		83	84	1.2	80	80	0.0	70 - 130	30	
1,1-Dichloropropene	ND	5.0		92	94	2.2	87	88	1.1	70 - 130	30	
1,2,3-Trichlorobenzene	ND	5.0		105	105	0.0	60	63	4.9	70 - 130	30	m
1,2,3-Trichloropropane	ND	5.0		92	93	1.1	81	83	2.4	70 - 130	30	
1,2,4-Trichlorobenzene	ND	5.0		103	101	2.0	57	61	6.8	70 - 130	30	m
1,2,4-Trimethylbenzene	ND	1.0		98	98	0.0	81	84	3.6	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	5.0		100	104	3.9	83	85	2.4	70 - 130	30	
1,2-Dibromoethane	ND	5.0		98	101	3.0	88	90	2.2	70 - 130	30	
1,2-Dichlorobenzene	ND	5.0		95	97	2.1	73	76	4.0	70 - 130	30	
1,2-Dichloroethane	ND	5.0		87	89	2.3	83	85	2.4	70 - 130	30	
1,2-Dichloropropane	ND	5.0		89	90	1.1	83	85	2.4	70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0		99	101	2.0	84	87	3.5	70 - 130	30	
1,3-Dichlorobenzene	ND	5.0		98	98	0.0	74	77	4.0	70 - 130	30	
1,3-Dichloropropane	ND	5.0		97	99	2.0	88	90	2.2	70 - 130	30	
1,4-Dichlorobenzene	ND	5.0		96	97	1.0	72	75	4.1	70 - 130	30	
1,4-dioxane	ND	100		99	94	5.2	88	95	7.7	70 - 130	30	
2,2-Dichloropropane	ND	5.0		95	96	1.0	89	90	1.1	70 - 130	30	
2-Chlorotoluene	ND	5.0		100	101	1.0	83	86	3.6	70 - 130	30	
2-Hexanone	ND	25		84	88	4.7	70	73	4.2	70 - 130	30	
2-Isopropyltoluene	ND	5.0		98	99	1.0	81	85	4.8	70 - 130	30	
4-Chlorotoluene	ND	5.0		99	99	0.0	80	83	3.7	70 - 130	30	
4-Methyl-2-pentanone	ND	25		88	91	3.4	78	79	1.3	70 - 130	30	
Acetone	ND	10		73	77	5.3	63	66	4.7	70 - 130	30	m
Acrolein	ND	25		110	115	4.4	64	64	0.0	70 - 130	30	m
Acrylonitrile	ND	5.0		86	87	1.2	74	75	1.3	70 - 130	30	
Benzene	ND	1.0		92	94	2.2	87	88	1.1	70 - 130	30	
Bromobenzene	ND	5.0		99	101	2.0	83	86	3.6	70 - 130	30	
Bromochloromethane	ND	5.0		90	91	1.1	83	86	3.6	70 - 130	30	
Bromodichloromethane	ND	5.0		91	92	1.1	85	88	3.5	70 - 130	30	
Bromoform	ND	5.0		99	101	2.0	85	89	4.6	70 - 130	30	
Bromomethane	ND	5.0		80	82	2.5	80	79	1.3	70 - 130	30	
Carbon Disulfide	ND	5.0		77	79	2.6	70	71	1.4	70 - 130	30	
Carbon tetrachloride	ND	5.0		85	105	21.1	82	84	2.4	70 - 130	30	
Chlorobenzene	ND	5.0		95	97	2.1	84	86	2.4	70 - 130	30	
Chloroethane	ND	5.0		80	81	1.2	78	79	1.3	70 - 130	30	
Chloroform	ND	5.0		86	88	2.3	83	84	1.2	70 - 130	30	
Chloromethane	ND	5.0		87	89	2.3	78	80	2.5	70 - 130	30	
cis-1,2-Dichloroethene	ND	5.0		88	89	1.1	82	83	1.2	70 - 130	30	

QA/QC Data

SDG I.D.: GCJ33255

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
cis-1,3-Dichloropropene	ND	5.0	96	97	1.0	85	87	2.3	70 - 130	30	
Dibromochloromethane	ND	3.0	98	100	2.0	89	91	2.2	70 - 130	30	
Dibromomethane	ND	5.0	92	94	2.2	85	87	2.3	70 - 130	30	
Dichlorodifluoromethane	ND	5.0	92	93	1.1	84	84	0.0	70 - 130	30	
Ethylbenzene	ND	1.0	97	99	2.0	88	90	2.2	70 - 130	30	
Hexachlorobutadiene	ND	5.0	100	99	1.0	59	65	9.7	70 - 130	30	m
Isopropylbenzene	ND	1.0	100	102	2.0	89	92	3.3	70 - 130	30	
m&p-Xylene	ND	2.0	98	99	1.0	87	89	2.3	70 - 130	30	
Methyl ethyl ketone	ND	5.0	82	82	0.0	69	70	1.4	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	1.0	84	85	1.2	79	79	0.0	70 - 130	30	
Methylene chloride	ND	5.0	74	76	2.7	69	70	1.4	70 - 130	30	m
Naphthalene	ND	5.0	108	111	2.7	67	72	7.2	70 - 130	30	m
n-Butylbenzene	ND	1.0	100	100	0.0	74	78	5.3	70 - 130	30	
n-Propylbenzene	ND	1.0	101	101	0.0	85	87	2.3	70 - 130	30	
o-Xylene	ND	2.0	96	98	2.1	84	88	4.7	70 - 130	30	
p-Isopropyltoluene	ND	1.0	100	101	1.0	80	84	4.9	70 - 130	30	
sec-Butylbenzene	ND	1.0	100	101	1.0	82	85	3.6	70 - 130	30	
Styrene	ND	5.0	98	100	2.0	82	86	4.8	70 - 130	30	
tert-butyl alcohol	ND	100	97	97	0.0	92	94	2.2	70 - 130	30	
tert-Butylbenzene	ND	1.0	99	101	2.0	85	89	4.6	70 - 130	30	
Tetrachloroethene	ND	5.0	92	94	2.2	83	86	3.6	70 - 130	30	
Tetrahydrofuran (THF)	ND	5.0	81	84	3.6	72	74	2.7	70 - 130	30	
Toluene	ND	1.0	94	96	2.1	86	88	2.3	70 - 130	30	
trans-1,2-Dichloroethene	ND	5.0	83	85	2.4	78	80	2.5	70 - 130	30	
trans-1,3-Dichloropropene	ND	5.0	99	101	2.0	86	87	1.2	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	114	117	2.6	90	92	2.2	70 - 130	30	
Trichloroethene	ND	5.0	92	95	3.2	88	89	1.1	70 - 130	30	
Trichlorofluoromethane	ND	5.0	85	86	1.2	83	85	2.4	70 - 130	30	
Trichlorotrifluoroethane	ND	5.0	76	77	1.3	72	73	1.4	70 - 130	30	
Vinyl chloride	ND	5.0	88	89	1.1	83	83	0.0	70 - 130	30	
% 1,2-dichlorobenzene-d4	99	%	99	98	1.0	98	99	1.0	70 - 130	30	
% Bromofluorobenzene	94	%	99	99	0.0	98	99	1.0	70 - 130	30	
% Dibromofluoromethane	96	%	97	95	2.1	94	97	3.1	70 - 130	30	
% Toluene-d8	97	%	99	99	0.0	98	99	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%, 25-160% for Chloroethane-HL and Trichlorofluoromethane-HL.

QA/QC Batch 593228H (ug/kg), QC Sample No: CJ34410 50X (CJ33264 (50X))

Volatiles - Soil (High Level)

Benzene	ND	250	99	100	1.0	99	100	1.0	70 - 130	30	
Naphthalene	ND	250	124	123	0.8	110	116	5.3	70 - 130	30	
% 1,2-dichlorobenzene-d4	97	%	99	97	2.0	99	98	1.0	70 - 130	30	
% Bromofluorobenzene	92	%	97	97	0.0	98	97	1.0	70 - 130	30	
% Dibromofluoromethane	89	%	92	92	0.0	92	92	0.0	70 - 130	30	
% Toluene-d8	96	%	98	98	0.0	98	97	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%, 25-160% for Chloroethane-HL and Trichlorofluoromethane-HL.

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.

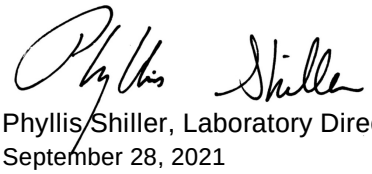
QA/QC Data

SDG I.D.: GCJ33255

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
September 28, 2021

Tuesday, September 28, 2021

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

State: NY

Sample Criteria Exceedances Report

GCJ33255 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CJ33255	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	1200	180	1000	1000	ug/Kg
CJ33255	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	1100	250	1000	1000	ug/Kg
CJ33255	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	910	250	500	500	ug/Kg
CJ33255	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1100	250	1000	1000	ug/Kg
CJ33255	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1200	250	1000	1000	ug/Kg
CJ33255	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	1200	180	1000	1000	ug/Kg
CJ33255	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1200	250	1000	1000	ug/Kg
CJ33255	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1200	180	1000	1000	ug/Kg
CJ33255	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	910	250	500	500	ug/Kg
CJ33255	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	250	1000	1000	ug/Kg
CJ33255	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	180	1000	1000	ug/Kg
CJ33255	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1100	250	1000	1000	ug/Kg
CJ33255	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	910	250	500	500	ug/Kg
CJ33255	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1000	250	800	800	ug/Kg
CJ33255	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	117	6.5	50	50	mg/kg
CJ33255	HG-SM	Mercury	NY / 375-6.8 Metals / Ground Water Protection	1.12	0.03	0.73	0.73	mg/Kg
CJ33255	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	1.12	0.03	0.81	0.81	mg/Kg
CJ33255	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	1.12	0.03	0.81	0.81	mg/Kg
CJ33255	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.12	0.03	0.18	0.18	mg/Kg
CJ33255	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	240	0.6	63	63	mg/Kg
CJ33255	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	232	0.6	109	109	mg/Kg
CJ33256	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	229	0.8	109	109	mg/Kg
CJ33257	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.21	0.03	0.18	0.18	mg/Kg
CJ33257	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	75.9	0.7	63	63	mg/Kg
CJ33258	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	2900	190	1000	1000	ug/Kg
CJ33258	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	2300	260	1700	1700	ug/Kg
CJ33258	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	3000	260	1000	1000	ug/Kg
CJ33258	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	3000	260	1000	1000	ug/Kg
CJ33258	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	2400	260	1700	1700	ug/Kg
CJ33258	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	3000	260	1000	1000	ug/Kg
CJ33258	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	380	190	330	330	ug/Kg
CJ33258	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2300	260	1000	1000	ug/Kg
CJ33258	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	1700	260	500	500	ug/Kg
CJ33258	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	3000	260	1000	1000	ug/Kg
CJ33258	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2400	260	1000	1000	ug/Kg
CJ33258	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	2900	190	1000	1000	ug/Kg
CJ33258	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2900	190	1000	1000	ug/Kg
CJ33258	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1700	260	500	500	ug/Kg
CJ33258	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	380	190	330	330	ug/Kg
CJ33258	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	3000	260	1000	1000	ug/Kg

Tuesday, September 28, 2021

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

State: NY

Sample Criteria Exceedances Report

GCJ33255 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CJ33258	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	2400	260	1000	1000	ug/Kg
CJ33258	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3000	260	1000	1000	ug/Kg
CJ33258	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1700	260	500	500	ug/Kg
CJ33258	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2300	260	800	800	ug/Kg
CJ33258	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	380	190	330	330	ug/Kg
CJ33258	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2900	190	1000	1000	ug/Kg
CJ33258	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2400	260	1000	1000	ug/Kg
CJ33258	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3000	260	1000	1000	ug/Kg
CJ33258	BA-SMDP	Barium	NY / 375-6.8 Metals / Commercial	461	0.7	400	400	mg/Kg
CJ33258	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential	461	0.7	350	350	mg/Kg
CJ33258	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential Restricted	461	0.7	400	400	mg/Kg
CJ33258	BA-SMDP	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	461	0.7	350	350	mg/Kg
CJ33258	HG-SM	Mercury	NY / 375-6.8 Metals / Ground Water Protection	1.09	0.03	0.73	0.73	mg/Kg
CJ33258	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	1.09	0.03	0.81	0.81	mg/Kg
CJ33258	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	1.09	0.03	0.81	0.81	mg/Kg
CJ33258	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.09	0.03	0.18	0.18	mg/Kg
CJ33258	PB-SMDP	Lead	NY / 375-6.8 Metals / Commercial	14400	70	1000	1000	mg/Kg
CJ33258	PB-SMDP	Lead	NY / 375-6.8 Metals / Ground Water Protection	14400	70	450	450	mg/Kg
CJ33258	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	14400	70	400	400	mg/Kg
CJ33258	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	14400	70	400	400	mg/Kg
CJ33258	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	14400	70	63	63	mg/Kg
CJ33258	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	452	7.0	109	109	mg/Kg
CJ33259	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	3800	190	1000	1000	ug/Kg
CJ33259	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Commercial	740	190	560	560	ug/Kg
CJ33259	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	3600	270	1000	1000	ug/Kg
CJ33259	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	3400	270	1000	1000	ug/Kg
CJ33259	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	4000	270	1700	1700	ug/Kg
CJ33259	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	3300	270	1700	1700	ug/Kg
CJ33259	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	3800	190	1000	1000	ug/Kg
CJ33259	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	3600	270	1000	1000	ug/Kg
CJ33259	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	2800	270	500	500	ug/Kg
CJ33259	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	3300	270	1000	1000	ug/Kg
CJ33259	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	740	190	330	330	ug/Kg
CJ33259	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	4000	270	1000	1000	ug/Kg
CJ33259	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	3400	270	1000	1000	ug/Kg
CJ33259	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	3400	270	1000	1000	ug/Kg
CJ33259	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	3800	190	1000	1000	ug/Kg
CJ33259	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2800	270	500	500	ug/Kg
CJ33259	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	740	190	330	330	ug/Kg
CJ33259	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	4000	270	1000	1000	ug/Kg
CJ33259	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2800	270	500	500	ug/Kg

Tuesday, September 28, 2021

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

State: NY

Sample Criteria Exceedances Report

GCJ33255 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CJ33259	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3400	270	1000	1000	ug/Kg
CJ33259	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3600	270	1000	1000	ug/Kg
CJ33259	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3300	270	800	800	ug/Kg
CJ33259	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3800	190	1000	1000	ug/Kg
CJ33259	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4000	270	1000	1000	ug/Kg
CJ33259	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	740	190	330	330	ug/Kg
CJ33259	$PCB_SMRDP	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Commercial	4700	390	1000	1000	ug/Kg
CJ33259	$PCB_SMRDP	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Residential	4700	390	1000	1000	ug/Kg
CJ33259	$PCB_SMRDP	PCB-1262	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	390	100	100	ug/Kg
CJ33259	$PCB_SMRDP	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	4700	390	100	100	ug/Kg
CJ33259	$PCB_SMRDP	PCB-1232	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	390	100	100	ug/Kg
CJ33259	$PCB_SMRDP	PCB-1221	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	390	100	100	ug/Kg
CJ33259	$PCB_SMRDP	PCB-1016	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	390	100	100	ug/Kg
CJ33259	$PCB_SMRDP	PCB-1268	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	390	100	100	ug/Kg
CJ33259	$PCB_SMRDP	PCB-1260	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	390	100	100	ug/Kg
CJ33259	$PCB_SMRDP	PCB-1248	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	390	100	100	ug/Kg
CJ33259	$PCB_SMRDP	PCB-1242	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	390	100	100	ug/Kg
CJ33259	$PESTSM_NY	a-BHC	NY / 375-6.8 PCBs/Pesticides / Ground Water Protectio	ND	39	20	20	ug/Kg
CJ33259	$PESTSM_NY	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	90	3.3	3.3	ug/Kg
CJ33259	$PESTSM_NY	Endrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	39	14	14	ug/Kg
CJ33259	$PESTSM_NY	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	19	5	5	ug/Kg
CJ33259	$PESTSM_NY	b-BHC	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	39	36	36	ug/Kg
CJ33259	$PESTSM_NY	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	19	5	5	ug/Kg
CJ33259	$PESTSM_NY	a-BHC	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	39	20	20	ug/Kg
CJ33259	$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	400	3.3	3.3	ug/Kg
CJ33259	$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	160	3.3	3.3	ug/Kg
CJ33259	AG-SM	Silver	NY / 375-6.8 Metals / Unrestricted Use Soil	3.70	0.40	2	2	mg/Kg
CJ33259	AS-SM	Arsenic	NY / 375-6.8 Metals / Commercial	23.6	0.80	16	16	mg/Kg
CJ33259	AS-SM	Arsenic	NY / 375-6.8 Metals / Ground Water Protection	23.6	0.80	16	16	mg/Kg
CJ33259	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	23.6	0.80	16	16	mg/Kg
CJ33259	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	23.6	0.80	16	16	mg/Kg
CJ33259	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	23.6	0.80	13	13	mg/Kg
CJ33259	BA-SMDP	Barium	NY / 375-6.8 Metals / Commercial	2250	8.0	400	400	mg/Kg
CJ33259	BA-SMDP	Barium	NY / 375-6.8 Metals / Ground Water Protection	2250	8.0	820	820	mg/Kg
CJ33259	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential	2250	8.0	350	350	mg/Kg
CJ33259	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential Restricted	2250	8.0	400	400	mg/Kg
CJ33259	BA-SMDP	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	2250	8.0	350	350	mg/Kg
CJ33259	CD-SM	Cadmium	NY / 375-6.8 Metals / Commercial	571	4.0	9.3	9.3	mg/Kg
CJ33259	CD-SM	Cadmium	NY / 375-6.8 Metals / Ground Water Protection	571	4.0	7.5	7.5	mg/Kg
CJ33259	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential	571	4.0	2.5	2.5	mg/Kg
CJ33259	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential Restricted	571	4.0	4.3	4.3	mg/Kg
CJ33259	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	571	4.0	2.5	2.5	mg/Kg

Tuesday, September 28, 2021

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

State: NY

Sample Criteria Exceedances Report

GCJ33255 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CJ33259	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	121	0.40	30		mg/Kg
CJ33259	CU-SM	Copper	NY / 375-6.8 Metals / Commercial	1440	8.0	270	270	mg/kg
CJ33259	CU-SM	Copper	NY / 375-6.8 Metals / Residential	1440	8.0	270	270	mg/kg
CJ33259	CU-SM	Copper	NY / 375-6.8 Metals / Residential Restricted	1440	8.0	270	270	mg/kg
CJ33259	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	1440	8.0	50	50	mg/kg
CJ33259	HG-SM	Mercury	NY / 375-6.8 Metals / Commercial	7.10	1.5	2.8	2.8	mg/Kg
CJ33259	HG-SM	Mercury	NY / 375-6.8 Metals / Ground Water Protection	7.10	1.5	0.73	0.73	mg/Kg
CJ33259	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	7.10	1.5	0.81	0.81	mg/Kg
CJ33259	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	7.10	1.5	0.81	0.81	mg/Kg
CJ33259	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	7.10	1.5	0.18	0.18	mg/Kg
CJ33259	NI-SM	Nickel	NY / 375-6.8 Metals / Ground Water Protection	192	0.40	130	130	mg/Kg
CJ33259	NI-SM	Nickel	NY / 375-6.8 Metals / Residential	192	0.40	140	140	mg/Kg
CJ33259	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	192	0.40	30	30	mg/Kg
CJ33259	PB-SMDP	Lead	NY / 375-6.8 Metals / Commercial	6530	8.0	1000	1000	mg/Kg
CJ33259	PB-SMDP	Lead	NY / 375-6.8 Metals / Ground Water Protection	6530	8.0	450	450	mg/Kg
CJ33259	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	6530	8.0	400	400	mg/Kg
CJ33259	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	6530	8.0	400	400	mg/Kg
CJ33259	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	6530	8.0	63	63	mg/Kg
CJ33259	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Ground Water Protection	9130	80	2480	2480	mg/Kg
CJ33259	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Residential	9130	80	2200	2200	mg/Kg
CJ33259	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	9130	80	109	109	mg/Kg
CJ33260	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	4200	190	1000	1000	ug/Kg
CJ33260	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Commercial	1000	190	560	560	ug/Kg
CJ33260	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	3400	270	1700	1700	ug/Kg
CJ33260	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	5700	270	1000	1000	ug/Kg
CJ33260	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	2800	270	1700	1700	ug/Kg
CJ33260	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	4800	270	1000	1000	ug/Kg
CJ33260	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	2600	270	500	500	ug/Kg
CJ33260	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	1000	190	330	330	ug/Kg
CJ33260	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	3400	270	1000	1000	ug/Kg
CJ33260	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	4200	190	1000	1000	ug/Kg
CJ33260	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	5700	270	1000	1000	ug/Kg
CJ33260	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2800	270	1000	1000	ug/Kg
CJ33260	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	4800	270	1000	1000	ug/Kg
CJ33260	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	4800	270	1000	1000	ug/Kg
CJ33260	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	4200	190	1000	1000	ug/Kg
CJ33260	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	3400	270	1000	1000	ug/Kg
CJ33260	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2600	270	500	500	ug/Kg
CJ33260	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1000	190	330	330	ug/Kg
CJ33260	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	5700	270	3900	3900	ug/Kg
CJ33260	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2600	270	500	500	ug/Kg

Tuesday, September 28, 2021

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

State: NY

Sample Criteria Exceedances Report

GCJ33255 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CJ33260	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1000	190	330	330	ug/Kg
CJ33260	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2800	270	800	800	ug/Kg
CJ33260	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5700	270	1000	1000	ug/Kg
CJ33260	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3400	270	1000	1000	ug/Kg
CJ33260	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4800	270	1000	1000	ug/Kg
CJ33260	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4200	190	1000	1000	ug/Kg
CJ33260	AS-SM	Arsenic	NY / 375-6.8 Metals / Commercial	22.0	0.82	16	16	mg/Kg
CJ33260	AS-SM	Arsenic	NY / 375-6.8 Metals / Ground Water Protection	22.0	0.82	16	16	mg/Kg
CJ33260	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	22.0	0.82	16	16	mg/Kg
CJ33260	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	22.0	0.82	16	16	mg/Kg
CJ33260	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	22.0	0.82	13	13	mg/Kg
CJ33260	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	33.0	0.41	30		mg/Kg
CJ33260	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	159	0.8	50	50	mg/kg
CJ33260	HG-SM	Mercury	NY / 375-6.8 Metals / Ground Water Protection	1.19	0.03	0.73	0.73	mg/Kg
CJ33260	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	1.19	0.03	0.81	0.81	mg/Kg
CJ33260	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	1.19	0.03	0.81	0.81	mg/Kg
CJ33260	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.19	0.03	0.18	0.18	mg/Kg
CJ33260	PB-SMDP	Lead	NY / 375-6.8 Metals / Ground Water Protection	895	8.2	450	450	mg/Kg
CJ33260	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	895	8.2	400	400	mg/Kg
CJ33260	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	895	8.2	400	400	mg/Kg
CJ33260	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	895	8.2	63	63	mg/Kg
CJ33260	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	437	8.2	109	109	mg/Kg
CJ33261	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.44	0.03	0.18	0.18	mg/Kg
CJ33261	PB-SMDP	Lead	NY / 375-6.8 Metals / Commercial	2070	6.5	1000	1000	mg/Kg
CJ33261	PB-SMDP	Lead	NY / 375-6.8 Metals / Ground Water Protection	2070	6.5	450	450	mg/Kg
CJ33261	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	2070	6.5	400	400	mg/Kg
CJ33261	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	2070	6.5	400	400	mg/Kg
CJ33261	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	2070	6.5	63	63	mg/Kg
CJ33262	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	35.3	0.34	30		mg/Kg
CJ33262	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.20	0.03	0.18	0.18	mg/Kg
CJ33263	$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	18	2.1	3.3	3.3	ug/Kg
CJ33263	$PESTSM_NY	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	7.8	3.5	5	5	ug/Kg
CJ33263	$PESTSM_NY	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	9.0	2.1	3.3	3.3	ug/Kg
CJ33263	$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	26	2.1	3.3	3.3	ug/Kg
CJ33263	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	34.2	0.35	30		mg/Kg
CJ33263	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	98.8	0.7	50	50	mg/kg
CJ33263	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.28	0.03	0.18	0.18	mg/Kg
CJ33263	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	295	0.7	63	63	mg/Kg
CJ33263	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	304	0.7	109	109	mg/Kg

Tuesday, September 28, 2021

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

State: NY

Sample Criteria Exceedances Report

GCJ33255 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CJ33264	$8260MADPR	Benzene	NY / 375-6.8 Volatiles / Ground Water Protection	140	60	60	60	ug/Kg
CJ33264	$8260MADPR	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	140	60	60	60	ug/Kg
CJ33264	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	1800	180	1000	1000	ug/Kg
CJ33264	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	2000	260	1700	1700	ug/Kg
CJ33264	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	1800	260	1700	1700	ug/Kg
CJ33264	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	2000	260	1000	1000	ug/Kg
CJ33264	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	2100	260	1000	1000	ug/Kg
CJ33264	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	370	180	330	330	ug/Kg
CJ33264	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	1500	260	500	500	ug/Kg
CJ33264	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	2100	260	1000	1000	ug/Kg
CJ33264	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1800	260	1000	1000	ug/Kg
CJ33264	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2000	260	1000	1000	ug/Kg
CJ33264	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	1800	180	1000	1000	ug/Kg
CJ33264	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	2000	260	1000	1000	ug/Kg
CJ33264	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	2000	260	1000	1000	ug/Kg
CJ33264	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1500	260	500	500	ug/Kg
CJ33264	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1800	180	1000	1000	ug/Kg
CJ33264	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	370	180	330	330	ug/Kg
CJ33264	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	2000	260	1000	1000	ug/Kg
CJ33264	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1800	260	800	800	ug/Kg
CJ33264	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1800	180	1000	1000	ug/Kg
CJ33264	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2000	260	1000	1000	ug/Kg
CJ33264	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1500	260	500	500	ug/Kg
CJ33264	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	370	180	330	330	ug/Kg
CJ33264	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2000	260	1000	1000	ug/Kg
CJ33264	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2100	260	1000	1000	ug/Kg
CJ33264	$PCB_SMRDP	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Commercial	5700	740	1000	1000	ug/Kg
CJ33264	$PCB_SMRDP	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Residential	5700	740	1000	1000	ug/Kg
CJ33264	$PCB_SMRDP	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	5700	740	100	100	ug/Kg
CJ33264	$PCB_SMRDP	PCB-1248	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	740	100	100	ug/Kg
CJ33264	$PCB_SMRDP	PCB-1268	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	740	100	100	ug/Kg
CJ33264	$PCB_SMRDP	PCB-1260	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	740	100	100	ug/Kg
CJ33264	$PCB_SMRDP	PCB-1016	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	740	100	100	ug/Kg
CJ33264	$PCB_SMRDP	PCB-1221	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	740	100	100	ug/Kg
CJ33264	$PCB_SMRDP	PCB-1232	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	740	100	100	ug/Kg
CJ33264	$PCB_SMRDP	PCB-1242	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	740	100	100	ug/Kg
CJ33264	$PCB_SMRDP	PCB-1262	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	740	100	100	ug/Kg
CJ33264	$PESTSM_NY	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	50	3.3	3.3	ug/Kg
CJ33264	$PESTSM_NY	Endrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	19	14	14	ug/Kg
CJ33264	$PESTSM_NY	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	7.4	5	5	ug/Kg
CJ33264	$PESTSM_NY	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	7.4	5	5	ug/Kg
CJ33264	$PESTSM_NY	a-Chlordane	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	100	94	94	ug/Kg

Tuesday, September 28, 2021

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

State: NY

Sample Criteria Exceedances Report

GCJ33255 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CJ33264	$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	110	3.3	3.3	ug/Kg
CJ33264	$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	500	3.3	3.3	ug/Kg
CJ33264	BA-SMDP	Barium	NY / 375-6.8 Metals / Commercial	1540	7.0	400	400	mg/Kg
CJ33264	BA-SMDP	Barium	NY / 375-6.8 Metals / Ground Water Protection	1540	7.0	820	820	mg/Kg
CJ33264	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential	1540	7.0	350	350	mg/Kg
CJ33264	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential Restricted	1540	7.0	400	400	mg/Kg
CJ33264	BA-SMDP	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	1540	7.0	350	350	mg/Kg
CJ33264	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential	2.58	0.35	2.5	2.5	mg/Kg
CJ33264	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	2.58	0.35	2.5	2.5	mg/Kg
CJ33264	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	128	0.7	50	50	mg/kg
CJ33264	HG-SM	Mercury	NY / 375-6.8 Metals / Ground Water Protection	1.66	0.06	0.73	0.73	mg/Kg
CJ33264	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	1.66	0.06	0.81	0.81	mg/Kg
CJ33264	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	1.66	0.06	0.81	0.81	mg/Kg
CJ33264	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.66	0.06	0.18	0.18	mg/Kg
CJ33264	PB-SMDP	Lead	NY / 375-6.8 Metals / Ground Water Protection	951	7.0	450	450	mg/Kg
CJ33264	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	951	7.0	400	400	mg/Kg
CJ33264	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	951	7.0	400	400	mg/Kg
CJ33264	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	951	7.0	63	63	mg/Kg
CJ33264	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	873	7.0	109	109	mg/Kg
CJ33265	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Commercial	640	190	560	560	ug/Kg
CJ33265	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	3700	190	1000	1000	ug/Kg
CJ33265	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	3600	270	1700	1700	ug/Kg
CJ33265	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	3500	270	1000	1000	ug/Kg
CJ33265	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	3900	270	1000	1000	ug/Kg
CJ33265	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	4000	270	1700	1700	ug/Kg
CJ33265	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	2800	270	500	500	ug/Kg
CJ33265	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	640	190	330	330	ug/Kg
CJ33265	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	3900	270	1000	1000	ug/Kg
CJ33265	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	3600	270	1000	1000	ug/Kg
CJ33265	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	4000	270	1000	1000	ug/Kg
CJ33265	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	3500	270	1000	1000	ug/Kg
CJ33265	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	3700	190	1000	1000	ug/Kg
CJ33265	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	3500	270	1000	1000	ug/Kg
CJ33265	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2800	270	500	500	ug/Kg
CJ33265	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	640	190	330	330	ug/Kg
CJ33265	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	3700	190	1000	1000	ug/Kg
CJ33265	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	4000	270	1000	1000	ug/Kg
CJ33265	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3500	270	1000	1000	ug/Kg
CJ33265	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2800	270	500	500	ug/Kg
CJ33265	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3600	270	800	800	ug/Kg
CJ33265	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3700	190	1000	1000	ug/Kg

Tuesday, September 28, 2021

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

State: NY

Sample Criteria Exceedances Report

GCJ33255 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CJ33265	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4000	270	1000	1000	ug/Kg
CJ33265	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3900	270	1000	1000	ug/Kg
CJ33265	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	640	190	330	330	ug/Kg
CJ33265	$PCB_SMRDP	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Commercial	1900	770	1000	1000	ug/Kg
CJ33265	$PCB_SMRDP	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Residential	1900	770	1000	1000	ug/Kg
CJ33265	$PCB_SMRDP	PCB-1268	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	770	100	100	ug/Kg
CJ33265	$PCB_SMRDP	PCB-1262	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	770	100	100	ug/Kg
CJ33265	$PCB_SMRDP	PCB-1260	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	770	100	100	ug/Kg
CJ33265	$PCB_SMRDP	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	1900	770	100	100	ug/Kg
CJ33265	$PCB_SMRDP	PCB-1248	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	770	100	100	ug/Kg
CJ33265	$PCB_SMRDP	PCB-1242	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	770	100	100	ug/Kg
CJ33265	$PCB_SMRDP	PCB-1232	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	770	100	100	ug/Kg
CJ33265	$PCB_SMRDP	PCB-1016	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	770	100	100	ug/Kg
CJ33265	$PCB_SMRDP	PCB-1221	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	770	100	100	ug/Kg
CJ33265	$PESTSM_NY	a-BHC	NY / 375-6.8 PCBs/Pesticides / Ground Water Protectio	ND	38	20	20	ug/Kg
CJ33265	$PESTSM_NY	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	19	5	5	ug/Kg
CJ33265	$PESTSM_NY	b-BHC	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	38	36	36	ug/Kg
CJ33265	$PESTSM_NY	Endrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	38	14	14	ug/Kg
CJ33265	$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	50	3.3	3.3	ug/Kg
CJ33265	$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	80	3.3	3.3	ug/Kg
CJ33265	$PESTSM_NY	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	450	3.3	3.3	ug/Kg
CJ33265	$PESTSM_NY	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	30	5	5	ug/Kg
CJ33265	$PESTSM_NY	a-BHC	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	38	20	20	ug/Kg
CJ33265	AG-SM	Silver	NY / 375-6.8 Metals / Unrestricted Use Soil	2.38	0.36	2	2	mg/Kg
CJ33265	AS-SM	Arsenic	NY / 375-6.8 Metals / Commercial	23.6	0.73	16	16	mg/Kg
CJ33265	AS-SM	Arsenic	NY / 375-6.8 Metals / Ground Water Protection	23.6	0.73	16	16	mg/Kg
CJ33265	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	23.6	0.73	16	16	mg/Kg
CJ33265	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	23.6	0.73	16	16	mg/Kg
CJ33265	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	23.6	0.73	13	13	mg/Kg
CJ33265	BA-SMDP	Barium	NY / 375-6.8 Metals / Commercial	1330	0.7	400	400	mg/Kg
CJ33265	BA-SMDP	Barium	NY / 375-6.8 Metals / Ground Water Protection	1330	0.7	820	820	mg/Kg
CJ33265	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential	1330	0.7	350	350	mg/Kg
CJ33265	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential Restricted	1330	0.7	400	400	mg/Kg
CJ33265	BA-SMDP	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	1330	0.7	350	350	mg/Kg
CJ33265	CD-SM	Cadmium	NY / 375-6.8 Metals / Commercial	67.9	0.36	9.3	9.3	mg/Kg
CJ33265	CD-SM	Cadmium	NY / 375-6.8 Metals / Ground Water Protection	67.9	0.36	7.5	7.5	mg/Kg
CJ33265	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential	67.9	0.36	2.5	2.5	mg/Kg
CJ33265	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential Restricted	67.9	0.36	4.3	4.3	mg/Kg
CJ33265	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	67.9	0.36	2.5	2.5	mg/Kg
CJ33265	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	138	0.36	30		mg/Kg
CJ33265	CU-SM	Copper	NY / 375-6.8 Metals / Commercial	476	7.3	270	270	mg/kg
CJ33265	CU-SM	Copper	NY / 375-6.8 Metals / Residential	476	7.3	270	270	mg/kg

Tuesday, September 28, 2021

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

State: NY

Sample Criteria Exceedances Report

GCJ33255 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CJ33265	CU-SM	Copper	NY / 375-6.8 Metals / Residential Restricted	476	7.3	270	270	mg/kg
CJ33265	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	476	7.3	50	50	mg/kg
CJ33265	HG-SM	Mercury	NY / 375-6.8 Metals / Commercial	8.05	1.5	2.8	2.8	mg/Kg
CJ33265	HG-SM	Mercury	NY / 375-6.8 Metals / Ground Water Protection	8.05	1.5	0.73	0.73	mg/Kg
CJ33265	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	8.05	1.5	0.81	0.81	mg/Kg
CJ33265	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	8.05	1.5	0.81	0.81	mg/Kg
CJ33265	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	8.05	1.5	0.18	0.18	mg/Kg
CJ33265	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	91.4	0.36	30	30	mg/Kg
CJ33265	PB-SMDP	Lead	NY / 375-6.8 Metals / Commercial	6970	7.3	1000	1000	mg/Kg
CJ33265	PB-SMDP	Lead	NY / 375-6.8 Metals / Ground Water Protection	6970	7.3	450	450	mg/Kg
CJ33265	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	6970	7.3	400	400	mg/Kg
CJ33265	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	6970	7.3	400	400	mg/Kg
CJ33265	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	6970	7.3	63	63	mg/Kg
CJ33265	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Ground Water Protection	4610	73	2480	2480	mg/Kg
CJ33265	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Residential	4610	73	2200	2200	mg/Kg
CJ33265	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	4610	73	109	109	mg/Kg
CJ33266	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.21	0.03	0.18	0.18	mg/Kg
CJ33266	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	289	0.7	63	63	mg/Kg
CJ33266	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	175	0.7	109	109	mg/Kg
CJ33267	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	2600	190	1000	1000	ug/Kg
CJ33267	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	2100	270	1700	1700	ug/Kg
CJ33267	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	2900	270	1000	1000	ug/Kg
CJ33267	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	2600	270	1700	1700	ug/Kg
CJ33267	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	2600	270	1000	1000	ug/Kg
CJ33267	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2100	270	1000	1000	ug/Kg
CJ33267	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	2100	270	500	500	ug/Kg
CJ33267	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2600	270	1000	1000	ug/Kg
CJ33267	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	2900	270	1000	1000	ug/Kg
CJ33267	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	520	190	330	330	ug/Kg
CJ33267	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	2600	190	1000	1000	ug/Kg
CJ33267	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	2600	270	1000	1000	ug/Kg
CJ33267	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	2600	270	1000	1000	ug/Kg
CJ33267	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2100	270	500	500	ug/Kg
CJ33267	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	2600	270	1000	1000	ug/Kg
CJ33267	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	520	190	330	330	ug/Kg
CJ33267	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2600	190	1000	1000	ug/Kg
CJ33267	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2100	270	500	500	ug/Kg
CJ33267	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	520	190	330	330	ug/Kg
CJ33267	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2100	270	800	800	ug/Kg
CJ33267	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2600	270	1000	1000	ug/Kg

Tuesday, September 28, 2021

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

State: NY

Sample Criteria Exceedances Report

GCJ33255 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CJ33267	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2600	270	1000	1000	ug/Kg
CJ33267	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2600	190	1000	1000	ug/Kg
CJ33267	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2900	270	1000	1000	ug/Kg
CJ33267	AS-SM	Arsenic	NY / 375-6.8 Metals / Commercial	35.1	0.69	16	16	mg/Kg
CJ33267	AS-SM	Arsenic	NY / 375-6.8 Metals / Ground Water Protection	35.1	0.69	16	16	mg/Kg
CJ33267	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	35.1	0.69	16	16	mg/Kg
CJ33267	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	35.1	0.69	16	16	mg/Kg
CJ33267	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	35.1	0.69	13	13	mg/Kg
CJ33267	BA-SMDP	Barium	NY / 375-6.8 Metals / Commercial	451	0.7	400	400	mg/Kg
CJ33267	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential	451	0.7	350	350	mg/Kg
CJ33267	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential Restricted	451	0.7	400	400	mg/Kg
CJ33267	BA-SMDP	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	451	0.7	350	350	mg/Kg
CJ33267	CD-SM	Cadmium	NY / 375-6.8 Metals / Ground Water Protection	7.71	0.35	7.5	7.5	mg/Kg
CJ33267	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential	7.71	0.35	2.5	2.5	mg/Kg
CJ33267	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential Restricted	7.71	0.35	4.3	4.3	mg/Kg
CJ33267	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	7.71	0.35	2.5	2.5	mg/Kg
CJ33267	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	34.0	0.35	30		mg/Kg
CJ33267	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	125	0.7	50	50	mg/kg
CJ33267	HG-SM	Mercury	NY / 375-6.8 Metals / Ground Water Protection	0.84	0.03	0.73	0.73	mg/Kg
CJ33267	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	0.84	0.03	0.81	0.81	mg/Kg
CJ33267	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	0.84	0.03	0.81	0.81	mg/Kg
CJ33267	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.84	0.03	0.18	0.18	mg/Kg
CJ33267	PB-SMDP	Lead	NY / 375-6.8 Metals / Commercial	3360	6.9	1000	1000	mg/Kg
CJ33267	PB-SMDP	Lead	NY / 375-6.8 Metals / Ground Water Protection	3360	6.9	450	450	mg/Kg
CJ33267	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	3360	6.9	400	400	mg/Kg
CJ33267	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	3360	6.9	400	400	mg/Kg
CJ33267	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	3360	6.9	63	63	mg/Kg
CJ33267	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	2120	6.9	109	109	mg/Kg
CJ33268	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	5200	180	1000	1000	ug/Kg
CJ33268	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Commercial	5800	260	5600	5600	ug/Kg
CJ33268	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Commercial	830	180	560	560	ug/Kg
CJ33268	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	5800	260	1000	1000	ug/Kg
CJ33268	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	4000	260	1700	1700	ug/Kg
CJ33268	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	4900	260	1700	1700	ug/Kg
CJ33268	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	5800	260	1000	1000	ug/Kg
CJ33268	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	4000	260	1000	1000	ug/Kg
CJ33268	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	3200	260	500	500	ug/Kg
CJ33268	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	5800	260	1000	1000	ug/Kg
CJ33268	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	5200	180	1000	1000	ug/Kg
CJ33268	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	4900	260	1000	1000	ug/Kg
CJ33268	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	5800	260	1000	1000	ug/Kg

Tuesday, September 28, 2021

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

State: NY

Sample Criteria Exceedances Report

GCJ33255 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CJ33268	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	830	180	330	330	ug/Kg
CJ33268	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	5800	260	3900	3900	ug/Kg
CJ33268	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	3200	260	500	500	ug/Kg
CJ33268	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	830	180	330	330	ug/Kg
CJ33268	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	5800	260	1000	1000	ug/Kg
CJ33268	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	4900	260	1000	1000	ug/Kg
CJ33268	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	5200	180	1000	1000	ug/Kg
CJ33268	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	4000	260	3900	3900	ug/Kg
CJ33268	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3200	260	500	500	ug/Kg
CJ33268	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	830	180	330	330	ug/Kg
CJ33268	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5800	260	1000	1000	ug/Kg
CJ33268	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4000	260	800	800	ug/Kg
CJ33268	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4900	260	1000	1000	ug/Kg
CJ33268	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5800	260	1000	1000	ug/Kg
CJ33268	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5200	180	1000	1000	ug/Kg
CJ33268	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	152	6.7	50	50	mg/kg
CJ33268	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.55	0.03	0.18	0.18	mg/Kg
CJ33268	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	54.3	0.33	30	30	mg/Kg
CJ33268	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	396	0.7	63	63	mg/Kg
CJ33268	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	677	6.7	109	109	mg/Kg
CJ33269	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	2700	180	1000	1000	ug/Kg
CJ33269	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	2100	260	1700	1700	ug/Kg
CJ33269	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	2500	260	1700	1700	ug/Kg
CJ33269	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	2900	260	1000	1000	ug/Kg
CJ33269	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	3100	260	1000	1000	ug/Kg
CJ33269	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	2900	260	1000	1000	ug/Kg
CJ33269	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	2700	180	1000	1000	ug/Kg
CJ33269	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2500	260	1000	1000	ug/Kg
CJ33269	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2100	260	1000	1000	ug/Kg
CJ33269	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	2000	260	500	500	ug/Kg
CJ33269	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	3100	260	1000	1000	ug/Kg
CJ33269	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	410	180	330	330	ug/Kg
CJ33269	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2700	180	1000	1000	ug/Kg
CJ33269	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	3100	260	1000	1000	ug/Kg
CJ33269	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	2500	260	1000	1000	ug/Kg
CJ33269	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2000	260	500	500	ug/Kg
CJ33269	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	410	180	330	330	ug/Kg
CJ33269	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2000	260	500	500	ug/Kg
CJ33269	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	410	180	330	330	ug/Kg
CJ33269	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2900	260	1000	1000	ug/Kg
CJ33269	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2100	260	800	800	ug/Kg

Tuesday, September 28, 2021

Sample Criteria Exceedances Report

GCJ33255 - BRUSSEE

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

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CJ33269	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3100	260	1000	1000	ug/Kg
CJ33269	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2500	260	1000	1000	ug/Kg
CJ33269	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2700	180	1000	1000	ug/Kg
CJ33269	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.26	0.03	0.18	0.18	mg/Kg
CJ33269	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	286	0.8	63	63	mg/Kg
CJ33269	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	190	0.8	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.

Environmental Laboratories, Inc.
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NY # 11301

Analysis Comments

September 28, 2021 SDG I.D.: GCJ33255

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

ICP Metals Narration

ARCOS 09/21/21 08:04: CJ33260, CJ33261, CJ33262, CJ33263, CJ33264, CJ33265, CJ33266, CJ33267, CJ33268, CJ33269
The following Continuing Calibration Verification (CCV) compounds did not meet criteria:
CCV 09/22/21 03:49: Copper 89% (90-110) CJ33264, CJ33265, CJ33266, CJ33267, CJ33268, CJ33269

Additional criteria for CCV and ICSAB:
Sodium and Potassium are poor performing elements, the laboratory's in-house limits are 85-115% (CCV) and 70-130% (ICSAB).

PEST Narration

AU-ECD4 09/22/21-1: CJ33255, CJ33263, CJ33266, CJ33267, CJ33268
The following Continuing Calibration compounds did not meet % deviation criteria:
Samples: CJ33255
Preceding CC 922B046 - % DCBP 22%L (20%)
Succeeding CC 922B054 - None.

SVOA Narration

CHEM22 09/21/21-1: CJ33255, CJ33256, CJ33257
The following Initial Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.072 (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: % 2,4,6-Tribromophenol 39%H (30%), 2-Nitrophenol 31%H (30%), 4-Nitrophenol 37%H (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 0.094 (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 09/21/21-2: CJ33255, CJ33256, CJ33257, CJ33258, CJ33259, CJ33260
The following Initial Calibration compounds did not meet RSD% criteria: Acetone 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 0.065 (0.1), Acrolein 0.022 (0.05), Tetrachloroethene 0.179 (0.2)
The following Initial Calibration compounds did not meet minimum response factors: Acrolein 0.022 (0.05)

The following Continuing Calibration compounds did not meet % deviation criteria: Acetone 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: Acetone 0.045 (0.05), Acrolein 0.023 (0.05)
The following Continuing Calibration compounds did not meet minimum response factors: Acetone 0.065 (0.05), Acrolein 0.022 (0.05)

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 09/22/21-2: CJ33261, CJ33262, CJ33263, CJ33264, CJ33265, CJ33266, CJ33267, CJ33268, CJ33269, CJ33270

Environmental Laboratories, Inc.
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NY # 11301

Analysis Comments

September 28, 2021 SDG I.D.: GCJ33255

The following Initial Calibration compounds did not meet RSD% criteria: Acetone 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 0.065 (0.1), Acrolein 0.022 (0.05), Tetrachloroethene 0.179 (0.2)
The following Initial Calibration compounds did not meet minimum response factors: Acrolein 0.022 (0.05)

The following Continuing Calibration compounds did not meet recommended response factors: Acetone 0.046 (0.05), Acrolein 0.023 (0.05)
The following Continuing Calibration compounds did not meet minimum response factors: Acetone 0.065 (0.05), Acrolein 0.022 (0.05)

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 09/23/21-1: CJ33264

The following Initial Calibration compounds did not meet RSD% criteria: Acetone 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 0.065 (0.1), Acrolein 0.022 (0.05), Tetrachloroethene 0.179 (0.2)
The following Initial Calibration compounds did not meet minimum response factors: Acrolein 0.022 (0.05)

The following Continuing Calibration compounds did not meet recommended response factors: Acetone 0.046 (0.05), Acrolein 0.023 (0.05)
The following Continuing Calibration compounds did not meet minimum response factors: Acetone 0.065 (0.05), Acrolein 0.022 (0.05)

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%.

CHEM14 09/22/21-1: CJ33271

The following Initial Calibration compounds did not meet RSD% criteria: trans-1,4-dichloro-2-butene 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 0.098 (0.1), Acrolein 0.048 (0.05)
The following Initial Calibration compounds did not meet minimum response factors: Acrolein 0.048 (0.05)

The following Continuing Calibration compounds did not meet recommended response factors: Acrolein 0.039 (0.05)
The following Continuing Calibration compounds did not meet minimum response factors: Acrolein 0.048 (0.05)

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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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

September 28, 2021

SDG I.D.: GCJ33255

The samples in this delivery group were received at 2.8°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Cooler: Yes ☒ No ☐
Coolant: IPK ☒ ICE ☐ No ☐
Temp 28 °C Pg 1 of 2

PHOENIX
Environmental Laboratories, Inc.

NY/NJ/PA CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
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Client Services (860) 645-8726

Contact Options:
☐ Phone:
☐ Fax:
☒ Email: KevinBrussee@hotmail.com

Customer: BRUSSEE ENVIRONMENTAL CORP
Address: 14 EVANS LANE
MILLER PLACE, NY 11764

Project: 188 EAST 135TH ST BRONX, NY Project P.O:
Report to: BEC
Invoice to: BEC
QUOTE # :

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Date: 9-20-21

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	METALS TAL	PEST/PCBs	1,4-Dioxane 8270	GL Amber 8 oz. w/H3PO4	Soil VOA Vials (4 methanol 4 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 NaOH 250ml	PL HNO3 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
33255	20B2(0-2)	SOIL	9/20	820	X	X	X	X	X		3	1									
33256	20 B2(3-5)			830	X	X	X	X			3	1									
33257	20B1(0-2)			840	X	X	X	X			3	1									
33258	20 B1(3-5)			850	X	X	X	X			3	1									
33259	20 B3(0-2)			910	X	X	X	X			3	1									
33260	20B3(3-5)			915	X	X	X	X			3	1									
33261	20B4(0-2)			925	X	X	X	X			3	1									
33262	20B4(3-5)			930	X	X	X	X			3	1									
33263	20B6(0-2)			940	X	X	X	X			3	1									
33264	20B6(3-5)			150	X	X	X	X			3	1									
33265	20 B5(0-2)	↓	↓	1000	X	X	X	X			3	1									

Relinquished by:	Accepted by:	Date:	Time:
		9/21/21	9:15
		9-21-21	15:23
		9/21/21	

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
☐ Impact to GW soil screen Criteria
☐ GW Criteria

NY
☐ TOGS GW
☐ CP-51 SOIL
☒ 375SCO Unrestricted Soil
☒ 375SCO Residential Soil
☒ 375SCO Residential Restricted Soil
☒ 375SCO Commercial Soil
☐ 375SCO Industrial Soil
☐ Subpart 5 DW

PA
☐ Clean Fill Limits
☐ PA-GW
☐ Reg Fill Limits
☐ PA Soil Restricted
☐ PA Soil non-restricted

State Samples Collected? NY

Comments, Special Requirements or Regulations:

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

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

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

PHOENIX Environmental Laboratories, Inc.

NY/NJ/PA CHAIN OF CUSTODY RECORD

Temp 2.8° C Pg 2 of 2

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Contact Options:
[ ] Phone:
[ ] Fax:
[X] Email: KevinBrussee@hotmail.com

Customer: BRUSSEE ENVIRONMENTAL CORP
Address: 14 EVANS LANE
MILLER PLACE, NY 11764

Project: 188 EAST 135th ST. BRONX, NY
Report to: BEC
Invoice to: BEC
QUOTE # :

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 9-20-21

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	TAL METALS	PESTICIDES/PCBs	GL Amber 8 oz. w/H3PO4	Soil VOA Vials w/Methanol + H2O	GL Soil container ( ) oz	GL Soil container (8) oz	40 ml VOA Vial [ ]	GL Amber 1000ml [ ] As is [ ] HCl	PL As is [ ] 250ml [ ] As is [ ] H2SO4	PL H2SO4 [ ] 250ml [ ] 500ml [ ] 1000ml	PL NaOH 250ml	PL HNO3 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
33266	TOB5 (3-5)	SOIL	9/20	1005	X	X	X	X		3		1								
33267	TOB7 (0-2)			1030	X	X	X	X		3		1								
33268	TOB7 (3-5)			1040	X	X	X	X		3		1								
33269	Duplicate				X	X	X	X		3		1								
33270	Trip Blank LL				X															
33271	TB H																			

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	9-21-21	9:17
	[signature]	9-21-21	15:23

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
[X] 375SCO Unrestricted Soil
[X] 375SCO Residential Soil
[X] 375SCO Residential Restricted Soil
[X] 375SCO Commercial Soil
[ ] 375SCO Industrial Soil
[ ] Subpart 5 DW

PA
[ ] Clean Fill Limits
[ ] PA-GW
[ ] Reg Fill Limits
[ ] PA Soil Restricted
[ ] PA Soil non-restricted

State Samples Collected? NY

Comments, Special Requirements or Regulations:

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

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

PHOENIX
Environmental Laboratories, Inc.

Friday, October 08, 2021

Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Project ID: **188 E 135TH STREET**
SDG ID: **GCJ48521**
Sample ID#s: **CJ48521 - CJ48525**

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 are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

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

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

NY # 11301

Sample Id Cross Reference

October 08, 2021

SDG I.D.: GCJ48521

Project ID: 188 E 135TH STREET

Client Id	Lab Id	Matrix
205V1	CJ48521	AIR
205V2	CJ48522	AIR
205V3	CJ48523	AIR
205V4	CJ48524	AIR
205V5	CJ48525	AIR

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 08, 2021

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	RB	10/01/21	16:20
Location Code:	BRUSSEE	Received by:	SW	10/04/21	16:47
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	12867				

Laboratory Data

SDG ID: GCJ48521
Phoenix ID: CJ48521

Project ID: 188 E 135TH STREET
Client ID: 205V1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.729*	ND	*5.00*	10/05/21	KCA	5	1
1,1,1-Trichloroethane	ND	*0.917*	ND	*5.00*	10/05/21	KCA	5	
1,1,2,2-Tetrachloroethane	ND	*0.729*	ND	*5.00*	10/05/21	KCA	5	
1,1,2-Trichloroethane	ND	*0.917*	ND	*5.00*	10/05/21	KCA	5	
1,1-Dichloroethane	ND	*1.24*	ND	*5.02*	10/05/21	KCA	5	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	10/05/21	KCA	5	
1,2,4-Trichlorobenzene	ND	*0.674*	ND	*5.00*	10/05/21	KCA	5	
1,2,4-Trimethylbenzene	2.48	*1.02*	12.2	*5.01*	10/05/21	KCA	5	
1,2-Dibromoethane(EDB)	ND	*0.651*	ND	*5.00*	10/05/21	KCA	5	
1,2-Dichlorobenzene	ND	*0.832*	ND	*5.00*	10/05/21	KCA	5	
1,2-Dichloroethane	ND	*1.24*	ND	*5.02*	10/05/21	KCA	5	
1,2-dichloropropane	ND	*1.08*	ND	*4.99*	10/05/21	KCA	5	
1,2-Dichlorotetrafluoroethane	ND	*0.716*	ND	*5.00*	10/05/21	KCA	5	
1,3,5-Trimethylbenzene	ND	*1.02*	ND	*5.01*	10/05/21	KCA	5	
1,3-Butadiene	ND	*2.26*	ND	*5.00*	10/05/21	KCA	5	
1,3-Dichlorobenzene	ND	*0.832*	ND	*5.00*	10/05/21	KCA	5	
1,4-Dichlorobenzene	ND	*0.832*	ND	*5.00*	10/05/21	KCA	5	
1,4-Dioxane	ND	*1.39*	ND	*5.01*	10/05/21	KCA	5	
2-Hexanone(MBK)	76.6	*1.22*	314	*4.99*	10/05/21	KCA	5	1
4-Ethyltoluene	1.83	*1.02*	8.99	*5.01*	10/05/21	KCA	5	1
4-Isopropyltoluene	2.91	*0.911*	16.0	*5.00*	10/05/21	KCA	5	1
4-Methyl-2-pentanone(MIBK)	ND	*1.22*	ND	*4.99*	10/05/21	KCA	5	
Acetone	747	*42.1*	1770	*100*	10/06/21	KCA	100	
Acrylonitrile	ND	*2.31*	ND	*5.01*	10/05/21	KCA	5	
Benzene	ND	*1.57*	ND	*5.01*	10/05/21	KCA	5	
Benzyl chloride	ND	*0.966*	ND	*5.00*	10/05/21	KCA	5	

Project ID: 188 E 135TH STREET
Client ID: 205V1

Phoenix I.D.: CJ48521

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.747*	ND	*5.00*	10/05/21	KCA	5	
Bromoform	ND	*0.484*	ND	*5.00*	10/05/21	KCA	5	
Bromomethane	ND	*1.29*	ND	*5.01*	10/05/21	KCA	5	
Carbon Disulfide	ND	*1.61*	ND	*5.01*	10/05/21	KCA	5	
Carbon Tetrachloride	ND	*0.159*	ND	*1.00*	10/05/21	KCA	5	
Chlorobenzene	ND	*1.09*	ND	*5.01*	10/05/21	KCA	5	
Chloroethane	ND	*1.90*	ND	*5.01*	10/05/21	KCA	5	
Chloroform	ND	*1.02*	ND	*4.98*	10/05/21	KCA	5	
Chloromethane	ND	*2.42*	ND	*4.99*	10/05/21	KCA	5	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	10/05/21	KCA	5	
cis-1,3-Dichloropropene	ND	*1.10*	ND	*4.99*	10/05/21	KCA	5	
Cyclohexane	ND	*1.45*	ND	*4.99*	10/05/21	KCA	5	
Dibromochloromethane	ND	*0.587*	ND	*5.00*	10/05/21	KCA	5	
Dichlorodifluoromethane	ND	*1.01*	ND	*4.99*	10/05/21	KCA	5	
Ethanol	75.9	*2.66*	143	*5.01*	10/05/21	KCA	5	1
Ethyl acetate	ND	*1.39*	ND	*5.01*	10/05/21	KCA	5	1
Ethylbenzene	ND	*1.15*	ND	*4.99*	10/05/21	KCA	5	
Heptane	1.70	*1.22*	6.96	*5.00*	10/05/21	KCA	5	
Hexachlorobutadiene	ND	*0.469*	ND	*5.00*	10/05/21	KCA	5	
Hexane	ND	*1.42*	ND	*5.00*	10/05/21	KCA	5	
Isopropylalcohol	13.5	*2.04*	33.2	*5.01*	10/05/21	KCA	5	
Isopropylbenzene	ND	*1.02*	ND	*5.01*	10/05/21	KCA	5	
m,p-Xylene	5.14	*1.15*	22.3	*4.99*	10/05/21	KCA	5	
Methyl Ethyl Ketone	1120	*33.9*	3300	*100*	10/06/21	KCA	100	
Methyl tert-butyl ether(MTBE)	ND	*1.39*	ND	*5.01*	10/05/21	KCA	5	
Methylene Chloride	ND	*4.32*	ND	*15.0*	10/05/21	KCA	5	
n-Butylbenzene	ND	*0.911*	ND	*5.00*	10/05/21	KCA	5	1
o-Xylene	2.28	*1.15*	9.9	*4.99*	10/05/21	KCA	5	
Propylene	77.4	*2.91*	133	*5.01*	10/05/21	KCA	5	1
sec-Butylbenzene	ND	*0.911*	ND	*5.00*	10/05/21	KCA	5	1
Styrene	ND	*1.17*	ND	*4.98*	10/05/21	KCA	5	
Tetrachloroethene	0.405	*0.184*	2.75	*1.25*	10/05/21	KCA	5	
Tetrahydrofuran	ND	*1.70*	ND	*5.01*	10/05/21	KCA	5	1
Toluene	2.48	*1.33*	9.34	*5.01*	10/05/21	KCA	5	
Trans-1,2-Dichloroethene	ND	*1.26*	ND	*4.99*	10/05/21	KCA	5	
trans-1,3-Dichloropropene	ND	*1.10*	ND	*4.99*	10/05/21	KCA	5	
Trichloroethene	ND	*0.186*	ND	*1.00*	10/05/21	KCA	5	
Trichlorofluoromethane	ND	*0.891*	ND	*5.00*	10/05/21	KCA	5	
Trichlorotrifluoroethane	ND	*0.653*	ND	*5.00*	10/05/21	KCA	5	
Vinyl Chloride	ND	*0.391*	ND	*1.00*	10/05/21	KCA	5	
QA/QC Surrogates/Internals								
% Bromofluorobenzene (5x)	104	*%*	104	*%*	10/05/21	KCA	5	
% IS-1,4-Difluorobenzene (5x)	94	*%*	94	*%*	10/05/21	KCA	5	
% IS-Bromochloromethane (5x)	95	*%*	95	*%*	10/05/21	KCA	5	
% IS-Chlorobenzene-d5 (5x)	94	*%*	94	*%*	10/05/21	KCA	5	
% Bromofluorobenzene (100x)	100	*%*	100	*%*	10/06/21	KCA	100	
% IS-1,4-Difluorobenzene (100x)	96	*%*	96	*%*	10/06/21	KCA	100	
% IS-Bromochloromethane (100x)	95	*%*	95	*%*	10/06/21	KCA	100	
% IS-Chlorobenzene-d5 (100x)	96	*%*	96	*%*	10/06/21	KCA	100	

Ver 1

Project ID: 188 E 135TH STREET
Client ID: 205V1

Phoenix I.D.: CJ48521

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

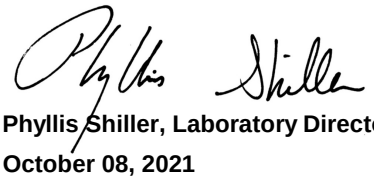
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Elevated reporting limits have been reported due to the presence of reported target compounds in the TO15 list above the calibration. Sample was run at an initial dilution.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

October 08, 2021

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 08, 2021

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	RB	10/01/21	16:25
Location Code:	BRUSSEE	Received by:	SW	10/04/21	16:47
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	18583				

Laboratory Data

SDG ID: GCJ48521
Phoenix ID: CJ48522

Project ID: 188 E 135TH STREET
Client ID: 205V2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.729*	ND	*5.00*	10/05/21	KCA	5	1
1,1,1-Trichloroethane	ND	*0.917*	ND	*5.00*	10/05/21	KCA	5	
1,1,2,2-Tetrachloroethane	ND	*0.729*	ND	*5.00*	10/05/21	KCA	5	
1,1,2-Trichloroethane	ND	*0.917*	ND	*5.00*	10/05/21	KCA	5	
1,1-Dichloroethane	ND	*1.24*	ND	*5.02*	10/05/21	KCA	5	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	10/05/21	KCA	5	
1,2,4-Trichlorobenzene	ND	*0.674*	ND	*5.00*	10/05/21	KCA	5	
1,2,4-Trimethylbenzene	2.59	*1.02*	12.7	*5.01*	10/05/21	KCA	5	
1,2-Dibromoethane(EDB)	ND	*0.651*	ND	*5.00*	10/05/21	KCA	5	
1,2-Dichlorobenzene	ND	*0.832*	ND	*5.00*	10/05/21	KCA	5	
1,2-Dichloroethane	ND	*1.24*	ND	*5.02*	10/05/21	KCA	5	
1,2-dichloropropane	ND	*1.08*	ND	*4.99*	10/05/21	KCA	5	
1,2-Dichlorotetrafluoroethane	ND	*0.716*	ND	*5.00*	10/05/21	KCA	5	
1,3,5-Trimethylbenzene	ND	*1.02*	ND	*5.01*	10/05/21	KCA	5	
1,3-Butadiene	ND	*2.26*	ND	*5.00*	10/05/21	KCA	5	
1,3-Dichlorobenzene	ND	*0.832*	ND	*5.00*	10/05/21	KCA	5	
1,4-Dichlorobenzene	ND	*0.832*	ND	*5.00*	10/05/21	KCA	5	
1,4-Dioxane	ND	*1.39*	ND	*5.01*	10/05/21	KCA	5	
2-Hexanone(MBK)	63.2	*1.22*	259	*4.99*	10/05/21	KCA	5	1
4-Ethyltoluene	1.89	*1.02*	9.29	*5.01*	10/05/21	KCA	5	1
4-Isopropyltoluene	3.21	*0.911*	17.6	*5.00*	10/05/21	KCA	5	1
4-Methyl-2-pentanone(MIBK)	ND	*1.22*	ND	*4.99*	10/05/21	KCA	5	
Acetone	1480	*42.1*	3510	*100*	10/06/21	KCA	100	
Acrylonitrile	ND	*2.31*	ND	*5.01*	10/05/21	KCA	5	
Benzene	ND	*1.57*	ND	*5.01*	10/05/21	KCA	5	
Benzyl chloride	ND	*0.966*	ND	*5.00*	10/05/21	KCA	5	

Project ID: 188 E 135TH STREET
Client ID: 205V2

Phoenix I.D.: CJ48522

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.747*	ND	*5.00*	10/05/21	KCA	5	
Bromoform	ND	*0.484*	ND	*5.00*	10/05/21	KCA	5	
Bromomethane	ND	*1.29*	ND	*5.01*	10/05/21	KCA	5	
Carbon Disulfide	9.28	*1.61*	28.9	*5.01*	10/05/21	KCA	5	
Carbon Tetrachloride	ND	*0.159*	ND	*1.00*	10/05/21	KCA	5	
Chlorobenzene	ND	*1.09*	ND	*5.01*	10/05/21	KCA	5	
Chloroethane	ND	*1.90*	ND	*5.01*	10/05/21	KCA	5	
Chloroform	ND	*1.02*	ND	*4.98*	10/05/21	KCA	5	
Chloromethane	ND	*2.42*	ND	*4.99*	10/05/21	KCA	5	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	10/05/21	KCA	5	
cis-1,3-Dichloropropene	ND	*1.10*	ND	*4.99*	10/05/21	KCA	5	
Cyclohexane	ND	*1.45*	ND	*4.99*	10/05/21	KCA	5	
Dibromochloromethane	ND	*0.587*	ND	*5.00*	10/05/21	KCA	5	
Dichlorodifluoromethane	1.98	*1.01*	9.8	*4.99*	10/05/21	KCA	5	
Ethanol	196	*2.66*	369	*5.01*	10/05/21	KCA	5	1
Ethyl acetate	ND	*1.39*	ND	*5.01*	10/05/21	KCA	5	1
Ethylbenzene	ND	*1.15*	ND	*4.99*	10/05/21	KCA	5	
Heptane	2.73	*1.22*	11.2	*5.00*	10/05/21	KCA	5	
Hexachlorobutadiene	ND	*0.469*	ND	*5.00*	10/05/21	KCA	5	
Hexane	ND	*1.42*	ND	*5.00*	10/05/21	KCA	5	
Isopropylalcohol	68.0	*2.04*	167	*5.01*	10/05/21	KCA	5	
Isopropylbenzene	ND	*1.02*	ND	*5.01*	10/05/21	KCA	5	
m,p-Xylene	4.78	*1.15*	20.7	*4.99*	10/05/21	KCA	5	
Methyl Ethyl Ketone	1540	*33.9*	4540	*100*	10/06/21	KCA	100	
Methyl tert-butyl ether(MTBE)	ND	*1.39*	ND	*5.01*	10/05/21	KCA	5	
Methylene Chloride	ND	*4.32*	ND	*15.0*	10/05/21	KCA	5	
n-Butylbenzene	ND	*0.911*	ND	*5.00*	10/05/21	KCA	5	1
o-Xylene	2.55	*1.15*	11.1	*4.99*	10/05/21	KCA	5	
Propylene	97.8	*2.91*	168	*5.01*	10/05/21	KCA	5	1
sec-Butylbenzene	ND	*0.911*	ND	*5.00*	10/05/21	KCA	5	1
Styrene	ND	*1.17*	ND	*4.98*	10/05/21	KCA	5	
Tetrachloroethene	71.8	*0.184*	487	*1.25*	10/05/21	KCA	5	
Tetrahydrofuran	ND	*1.70*	ND	*5.01*	10/05/21	KCA	5	1
Toluene	1.85	*1.33*	6.97	*5.01*	10/05/21	KCA	5	
Trans-1,2-Dichloroethene	ND	*1.26*	ND	*4.99*	10/05/21	KCA	5	
trans-1,3-Dichloropropene	ND	*1.10*	ND	*4.99*	10/05/21	KCA	5	
Trichloroethene	0.290	*0.186*	1.56	*1.00*	10/05/21	KCA	5	
Trichlorofluoromethane	1.97	*0.891*	11.1	*5.00*	10/05/21	KCA	5	
Trichlorotrifluoroethane	ND	*0.653*	ND	*5.00*	10/05/21	KCA	5	
Vinyl Chloride	ND	*0.391*	ND	*1.00*	10/05/21	KCA	5	
QA/QC Surrogates/Internals								
% Bromofluorobenzene (5x)	113	*%*	113	*%*	10/05/21	KCA	5	
% IS-1,4-Difluorobenzene (5x)	97	*%*	97	*%*	10/05/21	KCA	5	
% IS-Bromochloromethane (5x)	98	*%*	98	*%*	10/05/21	KCA	5	
% IS-Chlorobenzene-d5 (5x)	96	*%*	96	*%*	10/05/21	KCA	5	
% Bromofluorobenzene (100x)	97	*%*	97	*%*	10/06/21	KCA	100	
% IS-1,4-Difluorobenzene (100x)	96	*%*	96	*%*	10/06/21	KCA	100	
% IS-Bromochloromethane (100x)	94	*%*	94	*%*	10/06/21	KCA	100	
% IS-Chlorobenzene-d5 (100x)	97	*%*	97	*%*	10/06/21	KCA	100	

Ver 1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	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 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:

Elevated reporting limits have been reported due to the presence of reported target compounds in the TO15 list above the calibration. Sample was run at an initial dilution.

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Phyllis Shiller, Laboratory Director
October 08, 2021
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

October 08, 2021

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	RB	10/01/21	16:30
Location Code:	BRUSSEE	Received by:	SW	10/04/21	16:47
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	18111				

Laboratory Data

SDG ID: GCJ48521
Phoenix ID: CJ48523

Project ID: 188 E 135TH STREET
Client ID: 205V3

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.729*	ND	*5.00*	10/05/21	KCA	5	1
1,1,1-Trichloroethane	1.10	*0.917*	6.00	*5.00*	10/05/21	KCA	5	
1,1,2,2-Tetrachloroethane	ND	*0.729*	ND	*5.00*	10/05/21	KCA	5	
1,1,2-Trichloroethane	ND	*0.917*	ND	*5.00*	10/05/21	KCA	5	
1,1-Dichloroethane	ND	*1.24*	ND	*5.02*	10/05/21	KCA	5	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	10/05/21	KCA	5	
1,2,4-Trichlorobenzene	ND	*0.674*	ND	*5.00*	10/05/21	KCA	5	
1,2,4-Trimethylbenzene	1.94	*1.02*	9.5	*5.01*	10/05/21	KCA	5	
1,2-Dibromoethane(EDB)	ND	*0.651*	ND	*5.00*	10/05/21	KCA	5	
1,2-Dichlorobenzene	ND	*0.832*	ND	*5.00*	10/05/21	KCA	5	
1,2-Dichloroethane	ND	*1.24*	ND	*5.02*	10/05/21	KCA	5	
1,2-dichloropropane	ND	*1.08*	ND	*4.99*	10/05/21	KCA	5	
1,2-Dichlorotetrafluoroethane	ND	*0.716*	ND	*5.00*	10/05/21	KCA	5	
1,3,5-Trimethylbenzene	ND	*1.02*	ND	*5.01*	10/05/21	KCA	5	
1,3-Butadiene	ND	*2.26*	ND	*5.00*	10/05/21	KCA	5	
1,3-Dichlorobenzene	ND	*0.832*	ND	*5.00*	10/05/21	KCA	5	
1,4-Dichlorobenzene	ND	*0.832*	ND	*5.00*	10/05/21	KCA	5	
1,4-Dioxane	ND	*1.39*	ND	*5.01*	10/05/21	KCA	5	
2-Hexanone(MBK)	26.8	*1.22*	110	*4.99*	10/05/21	KCA	5	1
4-Ethyltoluene	1.22	*1.02*	5.99	*5.01*	10/05/21	KCA	5	1
4-Isopropyltoluene	2.22	*0.911*	12.2	*5.00*	10/05/21	KCA	5	1
4-Methyl-2-pentanone(MIBK)	ND	*1.22*	ND	*4.99*	10/05/21	KCA	5	
Acetone	692	*16.8*	1640	*39.9*	10/06/21	KCA	40	
Acrylonitrile	ND	*2.31*	ND	*5.01*	10/05/21	KCA	5	
Benzene	ND	*1.57*	ND	*5.01*	10/05/21	KCA	5	
Benzyl chloride	ND	*0.966*	ND	*5.00*	10/05/21	KCA	5	

Project ID: 188 E 135TH STREET
Client ID: 205V3

Phoenix I.D.: CJ48523

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	0.915	*0.747*	6.13	*5.00*	10/05/21	KCA	5	
Bromoform	ND	*0.484*	ND	*5.00*	10/05/21	KCA	5	
Bromomethane	ND	*1.29*	ND	*5.01*	10/05/21	KCA	5	
Carbon Disulfide	ND	*1.61*	ND	*5.01*	10/05/21	KCA	5	
Carbon Tetrachloride	ND	*0.159*	ND	*1.00*	10/05/21	KCA	5	
Chlorobenzene	ND	*1.09*	ND	*5.01*	10/05/21	KCA	5	
Chloroethane	ND	*1.90*	ND	*5.01*	10/05/21	KCA	5	
Chloroform	30.6	*1.02*	149	*4.98*	10/05/21	KCA	5	
Chloromethane	ND	*2.42*	ND	*4.99*	10/05/21	KCA	5	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	10/05/21	KCA	5	
cis-1,3-Dichloropropene	ND	*1.10*	ND	*4.99*	10/05/21	KCA	5	
Cyclohexane	ND	*1.45*	ND	*4.99*	10/05/21	KCA	5	
Dibromochloromethane	ND	*0.587*	ND	*5.00*	10/05/21	KCA	5	
Dichlorodifluoromethane	1.28	*1.01*	6.33	*4.99*	10/05/21	KCA	5	
Ethanol	69.3	*2.66*	130	*5.01*	10/05/21	KCA	5	1
Ethyl acetate	ND	*1.39*	ND	*5.01*	10/05/21	KCA	5	1
Ethylbenzene	ND	*1.15*	ND	*4.99*	10/05/21	KCA	5	
Heptane	ND	*1.22*	ND	*5.00*	10/05/21	KCA	5	
Hexachlorobutadiene	ND	*0.469*	ND	*5.00*	10/05/21	KCA	5	
Hexane	ND	*1.42*	ND	*5.00*	10/05/21	KCA	5	
Isopropylalcohol	20.0	*2.04*	49.1	*5.01*	10/05/21	KCA	5	
Isopropylbenzene	ND	*1.02*	ND	*5.01*	10/05/21	KCA	5	
m,p-Xylene	2.51	*1.15*	10.9	*4.99*	10/05/21	KCA	5	
Methyl Ethyl Ketone	690	*13.6*	2030	*40.1*	10/06/21	KCA	40	
Methyl tert-butyl ether(MTBE)	ND	*1.39*	ND	*5.01*	10/05/21	KCA	5	
Methylene Chloride	ND	*4.32*	ND	*15.0*	10/05/21	KCA	5	
n-Butylbenzene	ND	*0.911*	ND	*5.00*	10/05/21	KCA	5	1
o-Xylene	1.29	*1.15*	5.60	*4.99*	10/05/21	KCA	5	
Propylene	51.6	*2.91*	88.8	*5.01*	10/05/21	KCA	5	1
sec-Butylbenzene	ND	*0.911*	ND	*5.00*	10/05/21	KCA	5	1
Styrene	ND	*1.17*	ND	*4.98*	10/05/21	KCA	5	
Tetrachloroethene	8.14	*0.184*	55.2	*1.25*	10/05/21	KCA	5	
Tetrahydrofuran	ND	*1.70*	ND	*5.01*	10/05/21	KCA	5	1
Toluene	ND	*1.33*	ND	*5.01*	10/05/21	KCA	5	
Trans-1,2-Dichloroethene	ND	*1.26*	ND	*4.99*	10/05/21	KCA	5	
trans-1,3-Dichloropropene	ND	*1.10*	ND	*4.99*	10/05/21	KCA	5	
Trichloroethene	0.510	*0.186*	2.74	*1.00*	10/05/21	KCA	5	
Trichlorofluoromethane	ND	*0.891*	ND	*5.00*	10/05/21	KCA	5	
Trichlorotrifluoroethane	ND	*0.653*	ND	*5.00*	10/05/21	KCA	5	
Vinyl Chloride	ND	*0.391*	ND	*1.00*	10/05/21	KCA	5	
QA/QC Surrogates/Internals								
% Bromofluorobenzene (5x)	103	*%*	103	*%*	10/05/21	KCA	5	
% IS-1,4-Difluorobenzene (5x)	97	*%*	97	*%*	10/05/21	KCA	5	
% IS-Bromochloromethane (5x)	97	*%*	97	*%*	10/05/21	KCA	5	
% IS-Chlorobenzene-d5 (5x)	97	*%*	97	*%*	10/05/21	KCA	5	
% Bromofluorobenzene (40x)	99	*%*	99	*%*	10/06/21	KCA	40	
% IS-1,4-Difluorobenzene (40x)	94	*%*	94	*%*	10/06/21	KCA	40	
% IS-Bromochloromethane (40x)	95	*%*	95	*%*	10/06/21	KCA	40	
% IS-Chlorobenzene-d5 (40x)	93	*%*	93	*%*	10/06/21	KCA	40	

Ver 1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	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 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:

Elevated reporting limits have been reported due to the presence of reported target compounds in the TO15 list above the calibration. Sample was run at an initial dilution.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
October 08, 2021
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 08, 2021

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	RB	10/01/21	16:55
Location Code:	BRUSSEE	Received by:	SW	10/04/21	16:47
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	11257				

Laboratory Data

SDG ID: GCJ48521
Phoenix ID: CJ48524

Project ID: 188 E 135TH STREET
Client ID: 205V4

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.729*	ND	*5.00*	10/05/21	KCA	5	1
1,1,1-Trichloroethane	ND	*0.917*	ND	*5.00*	10/05/21	KCA	5	
1,1,2,2-Tetrachloroethane	ND	*0.729*	ND	*5.00*	10/05/21	KCA	5	
1,1,2-Trichloroethane	ND	*0.917*	ND	*5.00*	10/05/21	KCA	5	
1,1-Dichloroethane	ND	*1.24*	ND	*5.02*	10/05/21	KCA	5	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	10/05/21	KCA	5	
1,2,4-Trichlorobenzene	ND	*0.674*	ND	*5.00*	10/05/21	KCA	5	
1,2,4-Trimethylbenzene	1.85	*1.02*	9.09	*5.01*	10/05/21	KCA	5	
1,2-Dibromoethane(EDB)	ND	*0.651*	ND	*5.00*	10/05/21	KCA	5	
1,2-Dichlorobenzene	ND	*0.832*	ND	*5.00*	10/05/21	KCA	5	
1,2-Dichloroethane	ND	*1.24*	ND	*5.02*	10/05/21	KCA	5	
1,2-dichloropropane	ND	*1.08*	ND	*4.99*	10/05/21	KCA	5	
1,2-Dichlorotetrafluoroethane	ND	*0.716*	ND	*5.00*	10/05/21	KCA	5	
1,3,5-Trimethylbenzene	ND	*1.02*	ND	*5.01*	10/05/21	KCA	5	
1,3-Butadiene	ND	*2.26*	ND	*5.00*	10/05/21	KCA	5	
1,3-Dichlorobenzene	ND	*0.832*	ND	*5.00*	10/05/21	KCA	5	
1,4-Dichlorobenzene	ND	*0.832*	ND	*5.00*	10/05/21	KCA	5	
1,4-Dioxane	ND	*1.39*	ND	*5.01*	10/05/21	KCA	5	
2-Hexanone(MBK)	23.8	*1.22*	97.4	*4.99*	10/05/21	KCA	5	1
4-Ethyltoluene	1.21	*1.02*	5.94	*5.01*	10/05/21	KCA	5	1
4-Isopropyltoluene	2.33	*0.911*	12.8	*5.00*	10/05/21	KCA	5	1
4-Methyl-2-pentanone(MIBK)	ND	*1.22*	ND	*4.99*	10/05/21	KCA	5	
Acetone	537	*8.42*	1270	*20.0*	10/06/21	KCA	20	
Acrylonitrile	ND	*2.31*	ND	*5.01*	10/05/21	KCA	5	
Benzene	ND	*1.57*	ND	*5.01*	10/05/21	KCA	5	
Benzyl chloride	ND	*0.966*	ND	*5.00*	10/05/21	KCA	5	

Ver 1

Project ID: 188 E 135TH STREET
Client ID: 205V4

Phoenix I.D.: CJ48524

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.747*	ND	*5.00*	10/05/21	KCA	5	
Bromoform	ND	*0.484*	ND	*5.00*	10/05/21	KCA	5	
Bromomethane	ND	*1.29*	ND	*5.01*	10/05/21	KCA	5	
Carbon Disulfide	ND	*1.61*	ND	*5.01*	10/05/21	KCA	5	
Carbon Tetrachloride	ND	*0.159*	ND	*1.00*	10/05/21	KCA	5	
Chlorobenzene	ND	*1.09*	ND	*5.01*	10/05/21	KCA	5	
Chloroethane	ND	*1.90*	ND	*5.01*	10/05/21	KCA	5	
Chloroform	ND	*1.02*	ND	*4.98*	10/05/21	KCA	5	
Chloromethane	ND	*2.42*	ND	*4.99*	10/05/21	KCA	5	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	10/05/21	KCA	5	
cis-1,3-Dichloropropene	ND	*1.10*	ND	*4.99*	10/05/21	KCA	5	
Cyclohexane	ND	*1.45*	ND	*4.99*	10/05/21	KCA	5	
Dibromochloromethane	ND	*0.587*	ND	*5.00*	10/05/21	KCA	5	
Dichlorodifluoromethane	ND	*1.01*	ND	*4.99*	10/05/21	KCA	5	
Ethanol	41.6	*2.66*	78.3	*5.01*	10/05/21	KCA	5	1
Ethyl acetate	ND	*1.39*	ND	*5.01*	10/05/21	KCA	5	1
Ethylbenzene	ND	*1.15*	ND	*4.99*	10/05/21	KCA	5	
Heptane	ND	*1.22*	ND	*5.00*	10/05/21	KCA	5	
Hexachlorobutadiene	ND	*0.469*	ND	*5.00*	10/05/21	KCA	5	
Hexane	ND	*1.42*	ND	*5.00*	10/05/21	KCA	5	
Isopropylalcohol	13.5	*2.04*	33.2	*5.01*	10/05/21	KCA	5	
Isopropylbenzene	ND	*1.02*	ND	*5.01*	10/05/21	KCA	5	
m,p-Xylene	2.44	*1.15*	10.6	*4.99*	10/05/21	KCA	5	
Methyl Ethyl Ketone	550	*6.79*	1620	*20.0*	10/06/21	KCA	20	
Methyl tert-butyl ether(MTBE)	ND	*1.39*	ND	*5.01*	10/05/21	KCA	5	
Methylene Chloride	ND	*4.32*	ND	*15.0*	10/05/21	KCA	5	
n-Butylbenzene	ND	*0.911*	ND	*5.00*	10/05/21	KCA	5	1
o-Xylene	1.37	*1.15*	5.95	*4.99*	10/05/21	KCA	5	
Propylene	41.0	*2.91*	70.5	*5.01*	10/05/21	KCA	5	1
sec-Butylbenzene	ND	*0.911*	ND	*5.00*	10/05/21	KCA	5	1
Styrene	ND	*1.17*	ND	*4.98*	10/05/21	KCA	5	
Tetrachloroethene	4.87	*0.184*	33.0	*1.25*	10/05/21	KCA	5	
Tetrahydrofuran	ND	*1.70*	ND	*5.01*	10/05/21	KCA	5	1
Toluene	ND	*1.33*	ND	*5.01*	10/05/21	KCA	5	
Trans-1,2-Dichloroethene	ND	*1.26*	ND	*4.99*	10/05/21	KCA	5	
trans-1,3-Dichloropropene	ND	*1.10*	ND	*4.99*	10/05/21	KCA	5	
Trichloroethene	ND	*0.186*	ND	*1.00*	10/05/21	KCA	5	
Trichlorofluoromethane	0.985	*0.891*	5.53	*5.00*	10/05/21	KCA	5	
Trichlorotrifluoroethane	ND	*0.653*	ND	*5.00*	10/05/21	KCA	5	
Vinyl Chloride	ND	*0.391*	ND	*1.00*	10/05/21	KCA	5	
QA/QC Surrogates/Internals								
% Bromofluorobenzene (5x)	103	*%*	103	*%*	10/05/21	KCA	5	
% IS-1,4-Difluorobenzene (5x)	99	*%*	99	*%*	10/05/21	KCA	5	
% IS-Bromochloromethane (5x)	99	*%*	99	*%*	10/05/21	KCA	5	
% IS-Chlorobenzene-d5 (5x)	100	*%*	100	*%*	10/05/21	KCA	5	
% Bromofluorobenzene (20x)	98	*%*	98	*%*	10/06/21	KCA	20	
% IS-1,4-Difluorobenzene (20x)	96	*%*	96	*%*	10/06/21	KCA	20	
% IS-Bromochloromethane (20x)	94	*%*	94	*%*	10/06/21	KCA	20	
% IS-Chlorobenzene-d5 (20x)	96	*%*	96	*%*	10/06/21	KCA	20	

Ver 1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	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 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:

Elevated reporting limits have been reported due to the presence of reported target compounds in the TO15 list above the calibration. Sample was run at an initial dilution.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
October 08, 2021
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 08, 2021

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	RB	10/01/21	16:40
Location Code:	BRUSSEE	Received by:	SW	10/04/21	16:47
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	28592				

Laboratory Data

SDG ID: GCJ48521
Phoenix ID: CJ48525

Project ID: 188 E 135TH STREET
Client ID: 205V5

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.729*	ND	*5.00*	10/05/21	KCA	5	1
1,1,1-Trichloroethane	ND	*0.917*	ND	*5.00*	10/05/21	KCA	5	
1,1,2,2-Tetrachloroethane	ND	*0.729*	ND	*5.00*	10/05/21	KCA	5	
1,1,2-Trichloroethane	ND	*0.917*	ND	*5.00*	10/05/21	KCA	5	
1,1-Dichloroethane	ND	*1.24*	ND	*5.02*	10/05/21	KCA	5	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	10/05/21	KCA	5	
1,2,4-Trichlorobenzene	ND	*0.674*	ND	*5.00*	10/05/21	KCA	5	
1,2,4-Trimethylbenzene	2.18	*1.02*	10.7	*5.01*	10/05/21	KCA	5	
1,2-Dibromoethane(EDB)	ND	*0.651*	ND	*5.00*	10/05/21	KCA	5	
1,2-Dichlorobenzene	ND	*0.832*	ND	*5.00*	10/05/21	KCA	5	
1,2-Dichloroethane	ND	*1.24*	ND	*5.02*	10/05/21	KCA	5	
1,2-dichloropropane	ND	*1.08*	ND	*4.99*	10/05/21	KCA	5	
1,2-Dichlorotetrafluoroethane	ND	*0.716*	ND	*5.00*	10/05/21	KCA	5	
1,3,5-Trimethylbenzene	ND	*1.02*	ND	*5.01*	10/05/21	KCA	5	
1,3-Butadiene	ND	*2.26*	ND	*5.00*	10/05/21	KCA	5	
1,3-Dichlorobenzene	ND	*0.832*	ND	*5.00*	10/05/21	KCA	5	
1,4-Dichlorobenzene	ND	*0.832*	ND	*5.00*	10/05/21	KCA	5	
1,4-Dioxane	ND	*1.39*	ND	*5.01*	10/05/21	KCA	5	
2-Hexanone(MBK)	77.3	*1.22*	316	*4.99*	10/05/21	KCA	5	1
4-Ethyltoluene	1.53	*1.02*	7.52	*5.01*	10/05/21	KCA	5	1
4-Isopropyltoluene	2.76	*0.911*	15.1	*5.00*	10/05/21	KCA	5	1
4-Methyl-2-pentanone(MIBK)	ND	*1.22*	ND	*4.99*	10/05/21	KCA	5	
Acetone	1270	*42.1*	3010	*100*	10/06/21	KCA	100	
Acrylonitrile	ND	*2.31*	ND	*5.01*	10/05/21	KCA	5	
Benzene	ND	*1.57*	ND	*5.01*	10/05/21	KCA	5	
Benzyl chloride	ND	*0.966*	ND	*5.00*	10/05/21	KCA	5	

Ver 1

Project ID: 188 E 135TH STREET
Client ID: 205V5

Phoenix I.D.: CJ48525

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.747*	ND	*5.00*	10/05/21	KCA	5	
Bromoform	ND	*0.484*	ND	*5.00*	10/05/21	KCA	5	
Bromomethane	ND	*1.29*	ND	*5.01*	10/05/21	KCA	5	
Carbon Disulfide	ND	*1.61*	ND	*5.01*	10/05/21	KCA	5	
Carbon Tetrachloride	ND	*0.159*	ND	*1.00*	10/05/21	KCA	5	
Chlorobenzene	ND	*1.09*	ND	*5.01*	10/05/21	KCA	5	
Chloroethane	ND	*1.90*	ND	*5.01*	10/05/21	KCA	5	
Chloroform	ND	*1.02*	ND	*4.98*	10/05/21	KCA	5	
Chloromethane	ND	*2.42*	ND	*4.99*	10/05/21	KCA	5	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	10/05/21	KCA	5	
cis-1,3-Dichloropropene	ND	*1.10*	ND	*4.99*	10/05/21	KCA	5	
Cyclohexane	ND	*1.45*	ND	*4.99*	10/05/21	KCA	5	
Dibromochloromethane	ND	*0.587*	ND	*5.00*	10/05/21	KCA	5	
Dichlorodifluoromethane	ND	*1.01*	ND	*4.99*	10/05/21	KCA	5	
Ethanol	124	*2.66*	233	*5.01*	10/05/21	KCA	5	1
Ethyl acetate	ND	*1.39*	ND	*5.01*	10/05/21	KCA	5	1
Ethylbenzene	ND	*1.15*	ND	*4.99*	10/05/21	KCA	5	
Heptane	1.99	*1.22*	8.15	*5.00*	10/05/21	KCA	5	
Hexachlorobutadiene	ND	*0.469*	ND	*5.00*	10/05/21	KCA	5	
Hexane	ND	*1.42*	ND	*5.00*	10/05/21	KCA	5	
Isopropylalcohol	21.0	*2.04*	51.6	*5.01*	10/05/21	KCA	5	
Isopropylbenzene	ND	*1.02*	ND	*5.01*	10/05/21	KCA	5	
m,p-Xylene	3.65	*1.15*	15.8	*4.99*	10/05/21	KCA	5	
Methyl Ethyl Ketone	1680	*33.9*	4950	*100*	10/06/21	KCA	100	
Methyl tert-butyl ether(MTBE)	ND	*1.39*	ND	*5.01*	10/05/21	KCA	5	
Methylene Chloride	ND	*4.32*	ND	*15.0*	10/05/21	KCA	5	
n-Butylbenzene	ND	*0.911*	ND	*5.00*	10/05/21	KCA	5	1
o-Xylene	1.69	*1.15*	7.33	*4.99*	10/05/21	KCA	5	
Propylene	116	*2.91*	200	*5.01*	10/05/21	KCA	5	1
sec-Butylbenzene	ND	*0.911*	ND	*5.00*	10/05/21	KCA	5	1
Styrene	ND	*1.17*	ND	*4.98*	10/05/21	KCA	5	
Tetrachloroethene	2.28	*0.184*	15.5	*1.25*	10/05/21	KCA	5	
Tetrahydrofuran	ND	*1.70*	ND	*5.01*	10/05/21	KCA	5	1
Toluene	ND	*1.33*	ND	*5.01*	10/05/21	KCA	5	
Trans-1,2-Dichloroethene	ND	*1.26*	ND	*4.99*	10/05/21	KCA	5	
trans-1,3-Dichloropropene	ND	*1.10*	ND	*4.99*	10/05/21	KCA	5	
Trichloroethene	ND	*0.186*	ND	*1.00*	10/05/21	KCA	5	
Trichlorofluoromethane	ND	*0.891*	ND	*5.00*	10/05/21	KCA	5	
Trichlorotrifluoroethane	ND	*0.653*	ND	*5.00*	10/05/21	KCA	5	
Vinyl Chloride	ND	*0.391*	ND	*1.00*	10/05/21	KCA	5	
QA/QC Surrogates/Internals								
% Bromofluorobenzene (5x)	106	*%*	106	*%*	10/05/21	KCA	5	
% IS-1,4-Difluorobenzene (5x)	99	*%*	99	*%*	10/05/21	KCA	5	
% IS-Bromochloromethane (5x)	98	*%*	98	*%*	10/05/21	KCA	5	
% IS-Chlorobenzene-d5 (5x)	96	*%*	96	*%*	10/05/21	KCA	5	
% Bromofluorobenzene (100x)	95	*%*	95	*%*	10/06/21	KCA	100	
% IS-1,4-Difluorobenzene (100x)	95	*%*	95	*%*	10/06/21	KCA	100	
% IS-Bromochloromethane (100x)	93	*%*	93	*%*	10/06/21	KCA	100	
% IS-Chlorobenzene-d5 (100x)	94	*%*	94	*%*	10/06/21	KCA	100	

Ver 1

Project ID: 188 E 135TH STREET
Client ID: 205V5

Phoenix I.D.: CJ48525

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

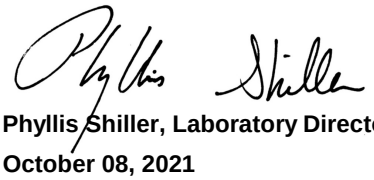
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Elevated reporting limits have been reported due to the presence of reported target compounds in the TO15 list above the calibration. Sample was run at an initial dilution.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

October 08, 2021

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Canister Sampling Information

October 08, 2021

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Location Code: BRUSSEE

SDG I.D.: GCJ48521

Project ID: 188 E 135TH STREET

						Laboratory					Field			
Client Id	Lab Id	Canister Id	Canister Type	Reg. Id	Chk Out Date	Out Hg	In Hg	Out Flow	In Flow	Flow RPD	Start Hg	End Hg	Sampling Start Date	Sampling End Date
205V1	CJ48521	12867	6.0L	3258	09/28/21	-30	-9	43	43	0.0	-30	-8	10/01/21 14:20	10/01/21 16:20
205V2	CJ48522	28583	6.0L	4980	09/28/21	-30	-7	43	43	0.0	-27	-7	10/01/21 14:25	10/01/21 16:25
205V3	CJ48523	18111	6.0L	3250	09/28/21	-30	-7	43	44	2.3	-30	-7	10/01/21 14:30	10/01/21 16:30
205V4	CJ48524	11257	6.0L	5647	09/28/21	-30	-7	43	46	6.7	-29	-6	10/01/21 14:35	10/01/21 16:55
205V5	CJ48525	28592	6.0L	5394	09/28/21	-30	-7	43	45	4.5	-30	-7	10/01/21 14:40	10/01/21 16:40

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

October 08, 2021

QA/QC Data

SDG I.D.: GCJ48521

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
QA/QC Batch 594851 (ppbv), QC Sample No: CJ46669 (CJ48521 (5X) , CJ48522 (5X) , CJ48523 (5X) , CJ48524 (5X) , CJ48525 (5X))												
Volatiles												
1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	94	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.180	ND	0.98	98	1.42	1.46	0.261	0.268	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	99	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.180	ND	0.98	101	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.250	ND	1.01	99	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	95	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.130	ND	0.96	93	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	104	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	100	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.170	ND	1.02	101	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.250	ND	1.01	96	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.220	ND	1.02	102	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.140	ND	0.98	85	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.200	ND	0.98	101	1.93	1.97	0.392	0.401	NC	70 - 130	25
1,3-Butadiene	ND	0.450	ND	0.99	78	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.170	ND	1.02	107	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.170	ND	1.02	108	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.280	ND	1.01	86	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.240	ND	0.98	99	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.200	ND	0.98	104	2.09	2.06	0.426	0.420	NC	70 - 130	25
4-Isopropyltoluene	ND	0.180	ND	0.99	99	ND	ND	ND	ND	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.240	ND	0.98	96	ND	ND	ND	ND	NC	70 - 130	25
Acrylonitrile	ND	0.460	ND	1.00	85	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.310	ND	0.99	100	ND	ND	ND	ND	NC	70 - 130	25
Benzyl chloride	ND	0.190	ND	0.98	99	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.150	ND	1.00	102	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.097	ND	1.00	81	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.260	ND	1.01	82	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.320	ND	1.00	95	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.032	ND	0.20	101	0.59	0.62	0.094	0.099	NC	70 - 130	25
Chlorobenzene	ND	0.220	ND	1.01	99	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.380	ND	1.00	86	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.200	ND	0.98	96	1.76	1.84	0.361	0.377	NC	70 - 130	25
Chloromethane	ND	0.480	ND	0.99	84	ND	ND	ND	ND	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.050	ND	0.20	88	11.1	10.9	2.79	2.76	1.1	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	104	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.290	ND	1.00	98	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.120	ND	1.02	99	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	97	2.18	2.17	0.441	0.440	NC	70 - 130	25
Ethanol	ND	0.530	ND	1.00	74	26.7	25.8	14.2	13.7	3.6	70 - 130	25

QA/QC Data

SDG I.D.: GCJ48521

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Ethyl acetate	ND	0.280	ND	1.01	117	ND	ND	ND	ND	NC	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	99	ND	ND	ND	ND	NC	70 - 130	25
Heptane	ND	0.240	ND	0.98	96	ND	ND	ND	ND	NC	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	91	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.280	ND	0.99	100	ND	ND	ND	ND	NC	70 - 130	25
Isopropylalcohol	ND	0.410	ND	1.01	96	3.12	2.92	1.27	1.19	NC	70 - 130	25
Isopropylbenzene	ND	0.200	ND	0.98	98	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	101	4.02	4.33	0.927	0.998	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	95	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.860	ND	2.99	86	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.180	ND	0.99	103	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	98	5.95	6.03	1.37	1.39	1.4	70 - 130	25
Propylene	ND	0.580	ND	1.00	96	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.180	ND	0.99	99	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.230	ND	0.98	104	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	100	1120	1130	165	167	1.2	70 - 130	25
Tetrahydrofuran	ND	0.340	ND	1.00	96	ND	ND	ND	ND	NC	70 - 130	25
Toluene	ND	0.270	ND	1.02	101	3.54	3.62	0.939	0.960	NC	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	96	1.24	1.09	0.312	0.276	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	95	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	103	91.8	93.4	17.1	17.4	1.7	70 - 130	25
Trichlorofluoromethane	ND	0.180	ND	1.01	97	2.49	2.55	0.443	0.454	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.130	ND	1.00	97	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	83	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	100	%	100	%	97	103	102	103	102	NC	70 - 130	25
% IS-1,4-Difluorobenzene	104	%	104	%	105	96	96	96	96	NC	60 - 140	25
% IS-Bromochloromethane	103	%	103	%	107	96	97	96	97	NC	60 - 140	25
% IS-Chlorobenzene-d5	101	%	101	%	114	95	96	95	96	NC	60 - 140	25
QA/QC Batch 595038 (ppbv), QC Sample No: CJ48511 (CJ48521 (100X) , CJ48522 (100X) , CJ48523 (40X) , CJ48524 (20X) , CJ48525 (100X))												
Volatiles												
Acetone	ND	0.420	ND	1.00	91	135	134	56.7	56.4	0.5	70 - 130	25
Methyl Ethyl Ketone	ND	0.340	ND	1.00	93	516	516	175	175	0.0	70 - 130	25
% Bromofluorobenzene	96	%	96	%	98	97	98	97	98	NC	70 - 130	25
% IS-1,4-Difluorobenzene	100	%	100	%	102	103	103	103	103	NC	60 - 140	25
% IS-Bromochloromethane	99	%	99	%	103	102	103	102	103	NC	60 - 140	25
% IS-Chlorobenzene-d5	98	%	98	%	107	99	98	99	98	NC	60 - 140	25

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

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

Phyllis Shiller, Laboratory Director
October 08, 2021

Friday, October 08, 2021

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCJ48521 - BRUSSEE

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.

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

October 08, 2021 SDG I.D.: GCJ48521

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.

CHAIN OF CUSTODY RECORD
AIR ANALYSES

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

800-827-5426
email: greg@phoenixlabs.com

P.O. #

Data Delivery:
☐ Fax #:
☒ Email: kevinbrussee@hotmail.com
☒ Phone #: (631) 338 1749

Report to: Kevin Brussee	Project Name: 188 E 135th Street	Data Format: (Circle) Equis (Excel) Other:	
Customer: Brussee Environmental Corp	Invoice to: BEC	Requested Deliverable: RCP ASP CAT B	
Address: 14 Evans Lane		MCP NJ Deliverables	
Miller Place NY	Sampled by: RB 10/1/21	Quote Number:	

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-15	APH
	THIS SECTION FOR LAB USE ONLY												MATRIX			ANALYSES	
48521	205V1	12867	6.0	-30	-9	3258	43	1420	1620	10/1/21	-30	-8		X	G	X	
48522	205V2	28583			-7	4980		1425	1625	10/1/21	-27	-7		X	G	X	
48523	205V3	18111			-7	3250		1430	1630	10/1/21	-30	-7		X	G	X	
48524	205V4	11257			-7	5647		1435	1655	10/1/21	-29	-6		X	G	X	
48525	205V5	28592			-7	5394		1440	1640	10/1/21	-30	-7		X	G	X	

Relinquished by:	Accepted by:	Date:	Time:
		10.4.21	10.30
		10/4	1647

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: 10/1/21

State Where Samples Collected: NY

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:
5(6L) 24hr

Turnaround Time:
- 1 Day ☐
- 2 Day ☐
- 3 Day ☐
- 4 Day ☐
- 5 Day ☑

Requested Criteria: (Please Circle)

CT:	MA:	NJ:	NY:	PA:	VT:
TAC I/C	**Indoor Air:** Residential	**Indoor Air:** Residential	Vapor Intrusion	**Indoor Air** Residential	**Indoor Air** Residential
TAC RES	Ind/Commercial	Ind/Commercial		Non-residential	Industrial
SVVC I/C	**Soil Gas:** Residential	**Soil Gas:** Residential			**Sub-slab** Residential
SVVC RES	Inc/Commercial	Ind/Commercial			Industrial
GWV I/C					
GWV CES					

APPENDIX F

Laboratory Reports – York

(PFAs/Emerging Contaminants)

Technical Report
for
Emerging Contaminants

prepared for:

Brussee Environmental Corp.
14 Evans Lane
Miller Place NY, 11764
Attention: Kevin Brussee

Report Date: 10/01/2021
Client Project ID: 188 East 135th Street, Bronx, Ny
York Project (SDG) No.: 21I1024

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 10/01/2021
Client Project ID: 188 East 135th Street, Bronx, Ny
York Project (SDG) No.: 21I1024

Brussee Environmental Corp.
14 Evans Lane
Miller Place NY, 11764
Attention: Kevin Brussee

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on September 22, 2021 and listed below. The project was identified as your project: **188 East 135th Street, Bronx, Ny**.

The analyses were conducted utilizing appropriate EPA methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

Please contact Client Services at 203.325.1371 with any questions regarding this report or e-mail clientservices@yorklab.com.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
21I1024-01	20B3 (0-2)	Soil	09/20/2021	09/22/2021

General Notes for York Project (SDG) No.: 21I1024

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: Cassie L. Mosher
Laboratory Manager

Date: 10/01/2021

Sample Information

Client Sample ID: 20B3 (0-2)

York Sample ID: 21I1024-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21I1024	188 East 135th Street, Bronx, Ny	Soil	September 20, 2021 3:00 pm	09/22/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL	Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0	ug/kg dry Certifications:	0.274	EPA 537m	09/27/2021 16:30 09/30/2021 21:23	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**0.854**		**0**	ug/kg dry Certifications:	0.274	EPA 537m	09/27/2021 16:30 09/30/2021 21:23	WL
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**0.432**		**0**	ug/kg dry Certifications:	0.274	EPA 537m	09/27/2021 16:30 09/30/2021 21:23	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0	ug/kg dry Certifications:	0.274	EPA 537m	09/27/2021 16:30 09/30/2021 21:23	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**1.09**		**0**	ug/kg dry Certifications:	0.274	EPA 537m	09/27/2021 16:30 09/30/2021 21:23	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**0.524**		**0**	ug/kg dry Certifications:	0.274	EPA 537m	09/27/2021 16:30 09/30/2021 21:23	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0	ug/kg dry Certifications:	0.274	EPA 537m	09/27/2021 16:30 09/30/2021 21:23	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0	ug/kg dry Certifications:	0.274	EPA 537m	09/27/2021 16:30 09/30/2021 21:23	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0	ug/kg dry Certifications:	0.274	EPA 537m	09/27/2021 16:30 09/30/2021 21:23	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0	ug/kg dry Certifications:	0.274	EPA 537m	09/27/2021 16:30 09/30/2021 21:23	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		0	ug/kg dry Certifications:	0.274	EPA 537m	09/27/2021 16:30 09/30/2021 21:23	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0	ug/kg dry Certifications:	0.274	EPA 537m	09/27/2021 16:30 09/30/2021 21:23	WL
2355-31-9	* N-MeFOSAA	ND		0	ug/kg dry Certifications:	0.274	EPA 537m	09/27/2021 16:30 09/30/2021 21:23	WL
2991-50-6	* N-EtFOSAA	ND		0	ug/kg dry Certifications:	0.274	EPA 537m	09/27/2021 16:30 09/30/2021 21:23	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**0.367**		**0**	ug/kg dry Certifications:	0.274	EPA 537m	09/27/2021 16:30 09/30/2021 21:23	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		0	ug/kg dry Certifications:	0.274	EPA 537m	09/27/2021 16:30 09/30/2021 21:23	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		0	ug/kg dry Certifications:	0.274	EPA 537m	09/27/2021 16:30 09/30/2021 21:23	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		0	ug/kg dry Certifications:	0.274	EPA 537m	09/27/2021 16:30 09/30/2021 21:23	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		0	ug/kg dry Certifications:	0.274	EPA 537m	09/27/2021 16:30 09/30/2021 21:23	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		0	ug/kg dry Certifications:	0.274	EPA 537m	09/27/2021 16:30 09/30/2021 21:23	WL

Sample Information

Client Sample ID: **20B3 (0-2)** **York Sample ID:** **21I1024-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21I1024	188 East 135th Street, Bronx, Ny	Soil	September 20, 2021 3:00 pm	09/22/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL	Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**5.76**		**0**	ug/kg dry	0.274	EPA 537m	09/27/2021 16:30	WL
					Certifications:			09/30/2021 21:23	

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*89.4 %*	*25-150*
Surrogate: M5PFHxA	*88.1 %*	*25-150*
Surrogate: M4PFHpA	*54.7 %*	*25-150*
Surrogate: M3PFHxS	*83.4 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*83.0 %*	*25-150*
Surrogate: M6PFDA	*70.5 %*	*25-150*
Surrogate: M7PFUdA	*67.9 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*62.8 %*	*25-150*
Surrogate: M2PFTeDA	*54.9 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*109 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*78.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*97.7 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*21.9 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*77.8 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*88.4 %*	*25-150*
Surrogate: M2-6:2 FTS	*145 %*	*25-200*
Surrogate: M2-8:2 FTS	*179 %*	*25-200*
Surrogate: M9PFNA	*86.3 %*	*25-150*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL	Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
solids	*** % Solids**	**83.2**		**100**	%	0.100	SM 2540G	10/01/2021 16:59	TL
					Certifications:	CTDOH		10/01/2021 17:00	

Analytical Batch Summary

Batch ID: BI11448 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** ER

YORK Sample ID	Client Sample ID	Preparation Date
21I1024-01	20B3 (0-2)	09/27/21
BI11448-BLK1	Blank	09/27/21
BI11448-BS1	LCS	09/27/21
BI11448-MS1	Matrix Spike	09/27/21
BI11448-MSD1	Matrix Spike Dup	09/27/21

Batch ID: BJ10064 **Preparation Method:** % Solids Prep **Prepared By:** TL

YORK Sample ID	Client Sample ID	Preparation Date
21I1024-01	20B3 (0-2)	10/01/21
BJ10064-DUP1	Duplicate	10/01/21

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI11448 - SPE PFAS Extraction-Soil-EPA 537m											
Blank (BI11448-BLK1)											Prepared: 09/27/2021 Analyzed: 09/30/2021
Perfluorobutanesulfonic acid (PFBS)	ND	0.218	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.218	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.218	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.218	"								
Perfluorooctanoic acid (PFOA)	ND	0.218	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.218	"								
Perfluorononanoic acid (PFNA)	ND	0.218	"								
Perfluorodecanoic acid (PFDA)	ND	0.218	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.218	"								
Perfluorododecanoic acid (PFDoA)	ND	0.218	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.218	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.218	"								
N-MeFOSAA	ND	0.218	"								
N-EtFOSAA	ND	0.218	"								
Perfluoropentanoic acid (PFPeA)	ND	0.218	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.218	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.218	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.218	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	0.218	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	0.218	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.218	"								
Surrogate: M3PFBS	*3.95*		"	*4.06*		*97.4*	*25-150*				
Surrogate: M5PFHxA	*4.16*		"	*4.37*		*95.3*	*25-150*				
Surrogate: M4PFHpA	*4.39*		"	*4.37*		*100*	*25-150*				
Surrogate: M3PFHxS	*3.92*		"	*4.13*		*95.0*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.08*		"	*4.37*		*93.3*	*25-150*				
Surrogate: M6PFDA	*4.00*		"	*4.37*		*91.5*	*25-150*				
Surrogate: M7PFUdA	*3.47*		"	*4.37*		*79.4*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.75*		"	*4.37*		*109*	*25-150*				
Surrogate: M2PFTeDA	*4.74*		"	*4.37*		*109*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.57*		"	*4.37*		*105*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.74*		"	*4.18*		*89.4*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.42*		"	*4.37*		*101*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.12*		"	*4.37*		*48.6*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.37*		"	*4.37*		*100*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.63*		"	*4.37*		*106*	*25-150*				
Surrogate: M2-6:2 FTS	*6.13*		"	*4.14*		*148*	*25-200*				
Surrogate: M2-8:2 FTS	*1.70*		"	*4.18*		*40.6*	*25-200*				
Surrogate: M9PFNA	*3.69*		"	*4.37*		*84.5*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI11448 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BI11448-BS1)								Prepared: 09/27/2021 Analyzed: 09/30/2021			
Perfluorobutanesulfonic acid (PFBS)	3.71	0.223	ug/kg wet	3.95		93.9	50-130				
Perfluorohexanoic acid (PFHxA)	4.32	0.223	"	4.46		96.8	50-130				
Perfluoroheptanoic acid (PFHpA)	3.88	0.223	"	4.46		86.9	50-130				
Perfluorohexanesulfonic acid (PFHxS)	3.77	0.223	"	4.07		92.7	50-130				
Perfluorooctanoic acid (PFOA)	4.12	0.223	"	4.46		92.3	50-130				
Perfluorooctanesulfonic acid (PFOS)	3.81	0.223	"	4.13		92.2	50-130				
Perfluorononanoic acid (PFNA)	4.10	0.223	"	4.46		91.8	50-130				
Perfluorodecanoic acid (PFDA)	3.77	0.223	"	4.46		84.4	50-130				
Perfluoroundecanoic acid (PFUnA)	3.92	0.223	"	4.46		87.9	50-130				
Perfluorododecanoic acid (PFDoA)	3.76	0.223	"	4.46		84.2	50-130				
Perfluorotridecanoic acid (PFTrDA)	3.17	0.223	"	4.46		70.9	50-130				
Perfluorotetradecanoic acid (PFTA)	4.07	0.223	"	4.46		91.2	50-130				
N-MeFOSAA	3.46	0.223	"	4.46		77.6	50-130				
N-EtFOSAA	3.86	0.223	"	4.46		86.6	50-130				
Perfluoropentanoic acid (PFPeA)	4.10	0.223	"	4.46		91.9	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.32	0.223	"	4.46		96.7	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	3.68	0.223	"	4.24		86.7	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	3.05	0.223	"	4.31		70.8	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	8.80	0.223	"	4.24		207	50-200	High Bias			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	8.10	0.223	"	4.29		189	50-200				
Perfluoro-n-butanoic acid (PFBA)	4.15	0.223	"	4.46		92.9	50-130				
Surrogate: M3PFBS	*3.96*		"	*4.15*		*95.6*	*25-150*				
Surrogate: M5PFHxA	*4.26*		"	*4.46*		*95.5*	*25-150*				
Surrogate: M4PFHpA	*4.56*		"	*4.46*		*102*	*25-150*				
Surrogate: M3PFHxS	*3.97*		"	*4.22*		*93.9*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.19*		"	*4.46*		*93.8*	*25-150*				
Surrogate: M6PFDA	*4.36*		"	*4.46*		*97.8*	*25-150*				
Surrogate: M7PFUdA	*3.66*		"	*4.46*		*81.9*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*5.31*		"	*4.46*		*119*	*25-150*				
Surrogate: M2PFTeDA	*4.52*		"	*4.46*		*101*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.68*		"	*4.46*		*105*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.25*		"	*4.27*		*99.6*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.54*		"	*4.46*		*102*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.42*		"	*4.46*		*54.3*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.95*		"	*4.46*		*111*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.48*		"	*4.46*		*100*	*25-150*				
Surrogate: M2-6:2 FTS	*7.39*		"	*4.24*		*174*	*25-200*				
Surrogate: M2-8:2 FTS	*4.48*		"	*4.28*		*105*	*25-200*				
Surrogate: M9PFNA	*4.29*		"	*4.46*		*96.1*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI11448 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike (BI11448-MS1)	*Source sample: 21I0951-11 (Matrix Spike)							Prepared: 09/27/2021 Analyzed: 09/30/2021			
Perfluorobutanesulfonic acid (PFBS)	5.65	0.312	ug/kg dry	5.52	ND	102	25-150				
Perfluorohexanoic acid (PFHxA)	5.98	0.312	"	6.24	ND	95.9	25-150				
Perfluoroheptanoic acid (PFHpA)	5.48	0.312	"	6.24	ND	87.8	25-150				
Perfluorohexanesulfonic acid (PFHxS)	5.57	0.312	"	5.69	0.0547	96.8	25-150				
Perfluorooctanoic acid (PFOA)	6.28	0.312	"	6.24	0.319	95.5	25-150				
Perfluorooctanesulfonic acid (PFOS)	5.46	0.312	"	5.78	ND	94.5	25-150				
Perfluorononanoic acid (PFNA)	5.91	0.312	"	6.24	ND	94.8	25-150				
Perfluorodecanoic acid (PFDA)	9.11	0.312	"	6.24	ND	146	25-150				
Perfluoroundecanoic acid (PFUnA)	5.77	0.312	"	6.24	ND	92.4	25-150				
Perfluorododecanoic acid (PFDoA)	5.62	0.312	"	6.24	ND	90.0	25-150				
Perfluorotridecanoic acid (PFTrDA)	4.72	0.312	"	6.24	ND	75.6	25-150				
Perfluorotetradecanoic acid (PFTA)	5.77	0.312	"	6.24	ND	92.4	25-150				
N-MeFOSAA	5.46	0.312	"	6.24	ND	87.5	25-150				
N-EtFOSAA	5.42	0.312	"	6.24	ND	86.8	25-150				
Perfluoropentanoic acid (PFPeA)	6.05	0.312	"	6.24	ND	96.9	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	6.42	0.312	"	6.24	ND	103	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.86	0.312	"	5.93	ND	98.9	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	3.90	0.312	"	6.02	ND	64.8	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	12.1	0.312	"	5.93	ND	204	25-200	High Bias			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	6.13	0.312	"	5.99	0.0334	102	25-200				
Perfluoro-n-butanoic acid (PFBA)	6.91	0.312	"	6.24	0.762	98.6	25-150				
Surrogate: M3PFBS	*5.30*		"	*5.80*		*91.4*	*25-150*				
Surrogate: M5PFHxA	*5.42*		"	*6.24*		*86.9*	*25-150*				
Surrogate: M4PFHpA	*6.00*		"	*6.24*		*96.1*	*25-150*				
Surrogate: M3PFHxS	*5.65*		"	*5.90*		*95.8*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*5.51*		"	*6.24*		*88.3*	*25-150*				
Surrogate: M6PFDA	*3.30*		"	*6.24*		*52.8*	*25-150*				
Surrogate: M7PFUdA	*4.48*		"	*6.24*		*71.7*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*5.58*		"	*6.24*		*89.4*	*25-150*				
Surrogate: M2PFTeDA	*5.06*		"	*6.24*		*81.2*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*5.89*		"	*6.24*		*94.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*5.38*		"	*5.97*		*90.1*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*5.68*		"	*6.24*		*91.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.51*		"	*6.24*		*40.3*	*10-150*				
Surrogate: d3-N-MeFOSAA	*5.97*		"	*6.24*		*95.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*6.58*		"	*6.24*		*105*	*25-150*				
Surrogate: M2-6:2 FTS	*9.43*		"	*5.92*		*159*	*25-200*				
Surrogate: M2-8:2 FTS	*7.83*		"	*5.98*		*131*	*25-200*				
Surrogate: M9PFNA	*5.25*		"	*6.24*		*84.1*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BI11448 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike Dup (BI11448-MSD1) *Source sample: 21I0951-11 (Matrix Spike Dup) Prepared: 09/27/2021 Analyzed: 09/30/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	4.28	0.253	ug/kg dry	4.48	ND	95.5	25-150		27.6	35	
Perfluorohexanoic acid (PFHxA)	4.57	0.253	"	5.06	ND	90.3	25-150		26.7	35	
Perfluoroheptanoic acid (PFHpA)	4.14	0.253	"	5.06	ND	81.8	25-150		27.8	35	
Perfluorohexanesulfonic acid (PFHxS)	5.17	0.253	"	4.62	0.0547	111	25-150		7.28	35	
Perfluorooctanoic acid (PFOA)	5.57	0.253	"	5.06	0.319	104	25-150		11.9	35	
Perfluorooctanesulfonic acid (PFOS)	4.83	0.253	"	4.69	0.0538	102	25-150		12.2	35	
Perfluorononanoic acid (PFNA)	4.17	0.253	"	5.06	ND	82.4	25-150		34.6	35	
Perfluorodecanoic acid (PFDA)	4.15	0.253	"	5.06	ND	81.9	25-150		74.9	35	Non-dir.
Perfluoroundecanoic acid (PFUnA)	4.51	0.253	"	5.06	ND	89.2	25-150		24.4	35	
Perfluorododecanoic acid (PFDoA)	4.20	0.253	"	5.06	ND	82.9	25-150		29.0	35	
Perfluorotridecanoic acid (PFTrDA)	3.80	0.253	"	5.06	ND	75.0	25-150		21.7	35	
Perfluorotetradecanoic acid (PFTA)	4.47	0.253	"	5.06	ND	88.3	25-150		25.3	35	
N-MeFOSAA	4.00	0.253	"	5.06	ND	79.0	25-150		30.8	35	
N-EtFOSAA	4.67	0.253	"	5.06	ND	92.1	25-150		14.9	35	
Perfluoropentanoic acid (PFPeA)	4.67	0.253	"	5.06	ND	92.2	25-150		25.7	35	
Perfluoro-1-octanesulfonamide (FOSA)	4.95	0.253	"	5.06	ND	97.8	25-150		25.9	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.60	0.253	"	4.81	ND	95.7	25-150		24.0	35	
Perfluoro-1-decanesulfonic acid (PFDS)	3.37	0.253	"	4.89	ND	68.9	25-150		14.6	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	8.88	0.253	"	4.81	ND	185	25-200		30.7	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	9.23	0.253	"	4.86	0.0334	189	25-200		40.4	35	Non-dir.
Perfluoro-n-butanoic acid (PFBA)	4.81	0.253	"	5.06	0.762	79.9	25-150		35.9	35	Non-dir.
Surrogate: M3PFBS	*4.46*		"	*4.70*		*94.8*	*25-150*				
Surrogate: M5PFHxA	*4.39*		"	*5.06*		*86.8*	*25-150*				
Surrogate: M4PFHpA	*4.90*		"	*5.06*		*96.7*	*25-150*				
Surrogate: M3PFHxS	*4.52*		"	*4.79*		*94.4*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.42*		"	*5.06*		*87.2*	*25-150*				
Surrogate: M6PFDA	*4.51*		"	*5.06*		*89.1*	*25-150*				
Surrogate: M7PFUdA	*3.59*		"	*5.06*		*70.9*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.63*		"	*5.06*		*91.4*	*25-150*				
Surrogate: M2PFTeDA	*4.52*		"	*5.06*		*89.2*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.96*		"	*5.06*		*98.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.21*		"	*4.85*		*87.0*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.52*		"	*5.06*		*89.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.11*		"	*5.06*		*41.7*	*10-150*				
Surrogate: d3-N-MeFOSAA	*5.11*		"	*5.06*		*101*	*25-150*				
Surrogate: d5-N-EtFOSAA	*5.07*		"	*5.06*		*100*	*25-150*				
Surrogate: M2-6:2 FTS	*7.29*		"	*4.81*		*152*	*25-200*				
Surrogate: M2-8:2 FTS	*5.61*		"	*4.85*		*116*	*25-200*				
Surrogate: M9PFNA	*4.66*		"	*5.06*		*92.1*	*25-150*				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ10064 - % Solids Prep											
Duplicate (BJ10064-DUP1)	*Source sample: 21I1024-01 (20B3 (0-2))								Prepared & Analyzed: 10/01/2021		
% Solids	81.6	0.100	%		83.2				1.94	20	

Sample and Data Qualifiers Relating to This Work Order

PF-LCS-H	The LCS recovery was slightly above acceptable limits for the qualified compound. However, sample results are not biased high because results are corrected for isotope recovery.
PFAS-MSH	The recovery for this matrix spike compound was above control limits possibly due to matrix effects or non-homogenieity of the sample verses the native sample

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.
MCL	This is the Maximum Contaminant Level in ng/L (ppt) establised by the NYSDOH for these compounds wheree an MCL is reported. Exceedences are flagged according.

YORK

York Analytical Laboratories, Inc.
120 Research Drive   132-02 89th Ave
Stratford, CT 06615   Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 21I1024

Page 1 of 1

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Brussee Environmental Corp.	Company: Brussee Environmental Corp.	Company: Brussee Environmental Corp.		RUSH - Next Day
Address: 14 Evans Lane	Address: 14 Evans Lane	Address: 14 Evans Lane		RUSH - Two Day
Miller Place, NY 11764	Miller Place, New York 11764	Miller Place, New York 11764	YOUR Project Name: 188 East 135th Street, Bronx, Ny	RUSH - Three Day
Phone.: 631-338-1749	Phone.: 631-338-1749	Phone.: 631-338-1749		RUSH - Four Day
Contact: Kevin Brussee	Contact: Kevin Brussee	Contact: Kevin Brussee		Standard (5-7 Day)
E-mail: Kevinbrussee@hotmail.com	E-mail: KevinBrussee@hotmail.com	E-mail: KevinBrussee@hotmail.com	YOUR PO#:	

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print your name above and sign below)
THOMAS FINNICAN

Matrix Codes	Samples From	Report / EDD Type (circle selections)			YORK Reg. Comp.
S - soil / solid	New York	Summary Report	CT RCP	Standard Excel EDD	Compared to the following Regulation(s): (please fill in)
GW - groundwater	New Jersey	QA Report	CT RCP DQA/DUE	EQuIS (Standard)	
DW - drinking water	Connecticut	NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQuIS	
WW - wastewater	Pennsylvania	NY ASP B Package	NJDKQP	NJDEP SRP HazSite	
O - Oil / Other	Other			Other:	

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
20B3(0-2)	Soil	9/20/21	21 PFAS COMPOUNDS	1 250Pl

Comments:

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc
___ Ascorbic Acid ___ Other: NONE

Special Instruction
Field Filtered ___
Lab to Filter ___

Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
BEC	9/21	KBenhrook	9/22/21 1PM	[signature] 9/22/21	1735
Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
				KBlockjen	9/22/21 1735

Temp. Received at Lab: 4.0 Degrees C

Technical Report
for
Emerging Contaminants

prepared for:

Brussee Environmental Corp.
14 Evans Lane
Miller Place NY, 11764
Attention: Kevin Brussee

Report Date: 10/14/2021
Client Project ID: 188 E 135th St
York Project (SDG) No.: 21J0088

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 10/14/2021
Client Project ID: 188 E 135th St
York Project (SDG) No.: 21J0088

Brussee Environmental Corp.
14 Evans Lane
Miller Place NY, 11764
Attention: Kevin Brussee

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on October 04, 2021 and listed below. The project was identified as your project: **188 E 135th St**.

The analyses were conducted utilizing appropriate EPA methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

Please contact Client Services at 203.325.1371 with any questions regarding this report or e-mail clientservices@yorklab.com.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
21J0088-01	20MW1	Water	10/01/2021	10/04/2021
21J0088-02	20MW2	Water	10/01/2021	10/04/2021
21J0088-03	20MW3	Water	10/01/2021	10/04/2021

General Notes for York Project (SDG) No.: 21J0088

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Cassie L. Mosher
Laboratory Manager

Date: 10/14/2021

Sample Information

Client Sample ID: 20MW1 **York Sample ID:** 21J0088-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21J0088	188 E 135th St	Water	October 1, 2021 3:00 pm	10/04/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL	Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**2.01**		**0**	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:42	
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**3.41**		**0**	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:42	
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**3.34**		**0**	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:42	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:42	
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**21.6**		**0**	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:42	
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**25.1**		**0**	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:42	
375-95-1	*** Perfluorononanoic acid (PFNA)**	**5.78**		**0**	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:42	
335-76-2	*** Perfluorodecanoic acid (PFDA)**	**2.01**		**0**	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:42	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:42	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:42	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		0	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:42	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:42	
2355-31-9	* N-MeFOSAA	ND		0	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:42	
2991-50-6	* N-EtFOSAA	ND		0	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:42	
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**4.67**		**0**	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:42	
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		0	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:42	
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		0	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:42	
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		0	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:42	
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		0	ng/L	4.63	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:42	
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		0	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:42	

Sample Information

Client Sample ID: **20MW1** **York Sample ID:** **21J0088-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21J0088	188 E 135th St	Water	October 1, 2021 3:00 pm	10/04/2021

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL	Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**5.84**		**0**	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:42	

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*97.1 %*		*25-150*
Surrogate: M5PFHxA	*95.7 %*		*25-150*
Surrogate: M4PFHpA	*90.8 %*		*25-150*
Surrogate: M3PFHxS	*99.7 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*90.2 %*		*25-150*
Surrogate: M6PFDA	*97.6 %*		*25-150*
Surrogate: M7PFUdA	*86.2 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*77.1 %*		*25-150*
Surrogate: M2PFTeDA	*76.2 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*88.9 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*91.7 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*89.6 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.24 %*	PFSu-L	*10-150*
Surrogate: d3-N-MeFOSAA	*70.0 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*69.7 %*		*25-150*
Surrogate: M2-6:2 FTS	*82.6 %*		*25-200*
Surrogate: M2-8:2 FTS	*111 %*		*25-200*
Surrogate: M9PFNA	*86.6 %*		*25-150*

Sample Information

Client Sample ID: **20MW2** **York Sample ID:** **21J0088-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21J0088	188 E 135th St	Water	October 1, 2021 2:30 pm	10/04/2021

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL	Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst

Sample Information

Client Sample ID: 20MW2 **York Sample ID:** 21J0088-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21J0088	188 E 135th St	Water	October 1, 2021 2:30 pm	10/04/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL	Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**2.71**		**0**	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:54	
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**8.74**		**0**	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:54	
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**8.82**		**0**	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:54	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:54	
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**35.3**		**0**	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:54	
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**25.5**		**0**	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:54	
375-95-1	*** Perfluorononanoic acid (PFNA)**	**3.07**		**0**	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:54	
335-76-2	*** Perfluorodecanoic acid (PFDA)**	**2.46**		**0**	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:54	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:54	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:54	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		0	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:54	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:54	
2355-31-9	* N-MeFOSAA	ND		0	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:54	
2991-50-6	* N-EtFOSAA	ND		0	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:54	
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**10.8**		**0**	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:54	
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		0	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:54	
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		0	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:54	
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		0	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:54	
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		0	ng/L	4.63	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:54	
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		0	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:54	
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**10.0**		**0**	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 01:54	

Sample Information

Client Sample ID: 20MW2 **York Sample ID:** 21J0088-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21J0088	188 E 135th St	Water	October 1, 2021 2:30 pm	10/04/2021

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL	Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
	Surrogate Recoveries	**Result**		**Acceptance Range**					
	Surrogate: M3PFBS	*98.4 %*		*25-150*					
	Surrogate: M5PFHxA	*98.3 %*		*25-150*					
	Surrogate: M4PFHpA	*97.5 %*		*25-150*					
	Surrogate: M3PFHxS	*113 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*101 %*		*25-150*					
	Surrogate: M6PFDA	*101 %*		*25-150*					
	Surrogate: M7PFUdA	*91.7 %*		*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*90.4 %*		*25-150*					
	Surrogate: M2PFTeDA	*74.0 %*		*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*89.9 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*97.4 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*92.2 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*18.0 %*		*10-150*					
	Surrogate: d3-N-MeFOSAA	*64.2 %*		*25-150*					
	Surrogate: d5-N-EtFOSAA	*80.3 %*		*25-150*					
	Surrogate: M2-6:2 FTS	*75.1 %*		*25-200*					
	Surrogate: M2-8:2 FTS	*81.0 %*		*25-200*					
	Surrogate: M9PFNA	*89.6 %*		*25-150*					

Sample Information

Client Sample ID: 20MW3 **York Sample ID:** 21J0088-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21J0088	188 E 135th St	Water	October 1, 2021 3:30 pm	10/04/2021

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL	Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**2.49**		**0**	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 02:06	

Sample Information

Client Sample ID: 20MW3 **York Sample ID:** 21J0088-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21J0088	188 E 135th St	Water	October 1, 2021 3:30 pm	10/04/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL	Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
307-24-4	* **Perfluorohexanoic acid (PFHxA)**	**4.41**		**0**	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 02:06	
375-85-9	* **Perfluoroheptanoic acid (PFHpA)**	**3.89**		**0**	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 02:06	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 02:06	
335-67-1	* **Perfluorooctanoic acid (PFOA)**	**18.2**		**0**	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 02:06	
1763-23-1	* **Perfluorooctanesulfonic acid (PFOS)**	**24.4**		**0**	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 02:06	
375-95-1	* **Perfluorononanoic acid (PFNA)**	**4.41**		**0**	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 02:06	
335-76-2	* **Perfluorodecanoic acid (PFDA)**	**1.88**		**0**	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 02:06	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 02:06	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 02:06	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		0	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 02:06	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 02:06	
2355-31-9	* N-MeFOSAA	ND		0	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 02:06	
2991-50-6	* N-EtFOSAA	ND		0	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 02:06	
2706-90-3	* **Perfluoropentanoic acid (PFPeA)**	**5.36**		**0**	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 02:06	
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		0	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 02:06	
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		0	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 02:06	
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		0	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 02:06	
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		0	ng/L	4.63	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 02:06	
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		0	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 02:06	
375-22-4	* **Perfluoro-n-butanoic acid (PFBA)**	**6.29**		**0**	ng/L	1.85	EPA 537m	10/12/2021 13:12	WL
					Certifications:			10/14/2021 02:06	

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: **20MW3** **York Sample ID:** **21J0088-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21J0088	188 E 135th St	Water	October 1, 2021 3:30 pm	10/04/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL	Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
	Surrogate: M3PFBS	*104 %*		*25-150*					
	Surrogate: M5PFHxA	*90.3 %*		*25-150*					
	Surrogate: M4PFHpA	*94.8 %*		*25-150*					
	Surrogate: M3PFHxS	*101 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*90.2 %*		*25-150*					
	Surrogate: M6PFDA	*87.8 %*		*25-150*					
	Surrogate: M7PFUdA	*82.2 %*		*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*83.0 %*		*25-150*					
	Surrogate: M2PFTeDA	*77.2 %*		*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*91.0 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*95.2 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*91.2 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*0.988 %*	PFSu-L	*10-150*					
	Surrogate: d3-N-MeFOSAA	*71.2 %*		*25-150*					
	Surrogate: d5-N-EtFOSAA	*78.0 %*		*25-150*					
	Surrogate: M2-6:2 FTS	*78.1 %*		*25-200*					
	Surrogate: M2-8:2 FTS	*95.9 %*		*25-200*					
	Surrogate: M9PFNA	*89.6 %*		*25-150*					

Analytical Batch Summary

Batch ID: BJ10664 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** ER

YORK Sample ID	Client Sample ID	Preparation Date
21J0088-01	20MW1	10/12/21
21J0088-02	20MW2	10/12/21
21J0088-03	20MW3	10/12/21
BJ10664-BLK1	Blank	10/12/21
BJ10664-BS1	LCS	10/12/21
BJ10664-BSD1	LCS Dup	10/12/21

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ10664 - SPE Ext-PFAS-EPA 537.1M											
Blank (BJ10664-BLK1)											Prepared: 10/12/2021 Analyzed: 10/14/2021
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*73.7*		*"*	*74.3*		*99.2*	*25-150*				
Surrogate: M5PFHxA	*80.6*		*"*	*80.0*		*101*	*25-150*				
Surrogate: M4PFHpA	*85.1*		*"*	*80.0*		*106*	*25-150*				
Surrogate: M3PFHxS	*72.6*		*"*	*75.7*		*95.9*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*80.4*		*"*	*80.0*		*101*	*25-150*				
Surrogate: M6PFDA	*84.4*		*"*	*80.0*		*105*	*25-150*				
Surrogate: M7PFUdA	*82.7*		*"*	*80.0*		*103*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*79.0*		*"*	*80.0*		*98.7*	*25-150*				
Surrogate: M2PFTeDA	*67.5*		*"*	*80.0*		*84.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*77.8*		*"*	*80.0*		*97.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*76.8*		*"*	*76.6*		*100*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*80.4*		*"*	*80.0*		*100*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*30.8*		*"*	*80.0*		*38.5*	*10-150*				
Surrogate: d3-N-MeFOSAA	*66.5*		*"*	*80.0*		*83.1*	*25-150*				
Surrogate: d5-N-EtFOSAA	*70.5*		*"*	*80.0*		*88.2*	*25-150*				
Surrogate: M2-6:2 FTS	*84.4*		*"*	*75.9*		*111*	*25-200*				
Surrogate: M2-8:2 FTS	*77.4*		*"*	*76.6*		*101*	*25-200*				
Surrogate: M9PFNA	*79.7*		*"*	*80.0*		*99.6*	*25-150*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ10664 - SPE Ext-PFAS-EPA 537.1M											
LCS (BJ10664-BS1)									Prepared: 10/12/2021 Analyzed: 10/14/2021		
Perfluorobutanesulfonic acid (PFBS)	67.1	2.00	ng/L	70.8		94.8	50-130				
Perfluorohexanoic acid (PFHxA)	80.3	2.00	"	80.0		100	50-130				
Perfluoroheptanoic acid (PFHpA)	76.8	2.00	"	80.0		96.0	50-130				
Perfluorohexanesulfonic acid (PFHxS)	70.7	2.00	"	73.0		96.9	50-130				
Perfluorooctanoic acid (PFOA)	77.3	2.00	"	80.0		96.6	50-130				
Perfluorooctanesulfonic acid (PFOS)	66.7	2.00	"	74.1		90.1	50-130				
Perfluorononanoic acid (PFNA)	78.4	2.00	"	80.0		98.0	50-130				
Perfluorodecanoic acid (PFDA)	71.5	2.00	"	80.0		89.3	50-130				
Perfluoroundecanoic acid (PFUnA)	76.7	2.00	"	80.0		95.9	50-130				
Perfluorododecanoic acid (PFDoA)	76.5	2.00	"	80.0		95.6	50-130				
Perfluorotridecanoic acid (PFTrDA)	77.0	2.00	"	80.0		96.3	50-130				
Perfluorotetradecanoic acid (PFTA)	73.3	2.00	"	80.0		91.7	50-130				
N-MeFOSAA	73.8	2.00	"	80.0		92.2	50-130				
N-EtFOSAA	82.8	2.00	"	80.0		104	50-130				
Perfluoropentanoic acid (PFPeA)	74.8	2.00	"	80.0		93.5	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	68.1	2.00	"	80.0		85.1	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	66.1	2.00	"	76.0		87.0	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	63.7	2.00	"	77.2		82.5	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	75.7	5.00	"	76.0		99.6	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	68.5	2.00	"	76.8		89.2	50-175				
Perfluoro-n-butanoic acid (PFBA)	77.3	2.00	"	80.0		96.7	50-130				
Surrogate: M3PFBS	*71.8*		"	*74.3*		*96.7*	*25-150*				
Surrogate: M5PFHxA	*77.0*		"	*80.0*		*96.3*	*25-150*				
Surrogate: M4PFHpA	*81.6*		"	*80.0*		*102*	*25-150*				
Surrogate: M3PFHxS	*75.6*		"	*75.7*		*99.9*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*78.0*		"	*80.0*		*97.5*	*25-150*				
Surrogate: M6PFDA	*86.2*		"	*80.0*		*108*	*25-150*				
Surrogate: M7PFUdA	*77.2*		"	*80.0*		*96.5*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*80.3*		"	*80.0*		*100*	*25-150*				
Surrogate: M2PFTeDA	*75.9*		"	*80.0*		*94.9*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*77.9*		"	*80.0*		*97.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*81.2*		"	*76.6*		*106*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*80.2*		"	*80.0*		*100*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*15.1*		"	*80.0*		*18.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*73.6*		"	*80.0*		*91.9*	*25-150*				
Surrogate: d5-N-EtFOSAA	*65.7*		"	*80.0*		*82.1*	*25-150*				
Surrogate: M2-6:2 FTS	*72.6*		"	*75.9*		*95.6*	*25-200*				
Surrogate: M2-8:2 FTS	*75.8*		"	*76.6*		*98.9*	*25-200*				
Surrogate: M9PFNA	*79.6*		"	*80.0*		*99.5*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ10664 - SPE Ext-PFAS-EPA 537.1M											
LCS Dup (BJ10664-BSD1)									Prepared: 10/12/2021 Analyzed: 10/14/2021		
Perfluorobutanesulfonic acid (PFBS)	74.0	2.00	ng/L	70.8		105	50-130		9.75	30	
Perfluorohexanoic acid (PFHxA)	78.8	2.00	"	80.0		98.4	50-130		1.92	30	
Perfluoroheptanoic acid (PFHpA)	82.3	2.00	"	80.0		103	50-130		6.86	30	
Perfluorohexanesulfonic acid (PFHxS)	74.1	2.00	"	73.0		102	50-130		4.62	30	
Perfluorooctanoic acid (PFOA)	85.3	2.00	"	80.0		107	50-130		9.87	30	
Perfluorooctanesulfonic acid (PFOS)	81.2	2.00	"	74.1		110	50-130		19.6	30	
Perfluorononanoic acid (PFNA)	76.0	2.00	"	80.0		95.0	50-130		3.10	30	
Perfluorodecanoic acid (PFDA)	78.0	2.00	"	80.0		97.5	50-130		8.76	30	
Perfluoroundecanoic acid (PFUnA)	79.3	2.00	"	80.0		99.1	50-130		3.23	30	
Perfluorododecanoic acid (PFDoA)	82.2	2.00	"	80.0		103	50-130		7.12	30	
Perfluorotridecanoic acid (PFTrDA)	76.6	2.00	"	80.0		95.8	50-130		0.510	30	
Perfluorotetradecanoic acid (PFTA)	86.0	2.00	"	80.0		107	50-130		15.9	30	
N-MeFOSAA	94.0	2.00	"	80.0		118	50-130		24.1	30	
N-EtFOSAA	80.5	2.00	"	80.0		101	50-130		2.87	30	
Perfluoropentanoic acid (PFPeA)	82.6	2.00	"	80.0		103	50-130		9.92	30	
Perfluoro-1-octanesulfonamide (FOSA)	82.5	2.00	"	80.0		103	50-130		19.2	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	76.5	2.00	"	76.0		101	50-130		14.6	30	
Perfluoro-1-decanesulfonic acid (PFDS)	74.9	2.00	"	77.2		97.0	50-130		16.2	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	69.3	5.00	"	76.0		91.2	50-175		8.87	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	64.3	2.00	"	76.8		83.8	50-175		6.32	30	
Perfluoro-n-butanoic acid (PFBA)	82.5	2.00	"	80.0		103	50-130		6.50	30	
Surrogate: M3PFBS	*67.9*		"	*74.3*		*91.3*	*25-150*				
Surrogate: M5PFHxA	*77.3*		"	*80.0*		*96.7*	*25-150*				
Surrogate: M4PFHpA	*76.8*		"	*80.0*		*96.0*	*25-150*				
Surrogate: M3PFHxS	*72.9*		"	*75.7*		*96.3*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*72.9*		"	*80.0*		*91.2*	*25-150*				
Surrogate: M6PFDA	*80.8*		"	*80.0*		*101*	*25-150*				
Surrogate: M7PFUdA	*78.3*		"	*80.0*		*97.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*81.7*		"	*80.0*		*102*	*25-150*				
Surrogate: M2PFTeDA	*71.0*		"	*80.0*		*88.8*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*74.7*		"	*80.0*		*93.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*72.4*		"	*76.6*		*94.6*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*75.9*		"	*80.0*		*94.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*13.7*		"	*80.0*		*17.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*58.8*		"	*80.0*		*73.5*	*25-150*				
Surrogate: d5-N-EtFOSAA	*76.0*		"	*80.0*		*95.0*	*25-150*				
Surrogate: M2-6:2 FTS	*84.3*		"	*75.9*		*111*	*25-200*				
Surrogate: M2-8:2 FTS	*83.5*		"	*76.6*		*109*	*25-200*				
Surrogate: M9PFNA	*80.5*		"	*80.0*		*101*	*25-150*				

Sample and Data Qualifiers Relating to This Work Order

PFSu-L The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.
MCL	This is the Maximum Contaminant Level in ng/L (ppt) estabilised by the NYSDOH for these compounds wheree an MCL is reported. Exceedences are flagged according.

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Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 21J0088

Page 1 of 1

YOUR Information	Report To:	Invoice To:
Company: BEC	Company: SAME	Company: SAME
Address: 14 Evans Lane Miller Place NY	Address:	Address:
Phone.: (631) 358-1749	Phone.:	Phone.:
Contact: Kevin Brusser	Contact:	Contact:
E-mail: kevintrusser@hotmail.com	E-mail:	E-mail:

YOUR Project Number: 188 E 135th St

YOUR Project Name:

YOUR PO#:

Turn-Around Ti
- RUSH - Next Day
- RUSH - Two Day
- RUSH - Three Day
- RUSH - Four Day
- **Standard (5-7 Day)**

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print your name above and sign below)

Matrix Codes
- S - soil / solid
- GW - groundwater
- DW - drinking water
- WW - wastewater
- O - Oil | Other

Samples From
- New York X
- New Jersey
- Connecticut
- Pennsylvania
- Other

Report / EDD Type (circle selections)

~~Summary Report~~	CT RCP	Standard Excel EDD
~~QA Report~~	CT RCP DQA/DUE	EQuIS (Standard)
~~NY ASP A Package~~	NJDEP Reduced Deliverables	NYSDEC EQuIS
NY ASP B Package	NJDKQP	NJDEP SRP HazSite
		Other:

YORK Reg. Comp.
Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
20 MW1	GW	10/1/21 1500	PFAs	(2) 250mL plastic
20 MW2	GW	10/1/21 1430	PFAs	(2) 250mL plastic
20 MW3	GW	10/1/21 1530	PFAs	(2) 250mL plastic

Comments:

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: None

Special Instruction
Field Filtered ____
Lab to Filter ____

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
/ BEC			10/4/21 1130		10/4/21
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
					10/5/21 10:40

Temp. Received at Lab: 2.6 Degrees C