May 12, 2023

Jacob Katz
Developing NY State LLC
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Brooklyn, New York 11205
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Re: Limited Scope Subsurface Investigation Report
172 3rd Avenue, Brooklyn, NY 11217
Block 412, Portion of Lot 33

Dear Mr. Katz,

Brussee Environmental Corp. (BEC) has prepared the following Limited Subsurface Investigation Report to summarize the findings of the soil, groundwater and soil vapor samples collected in May 2023. The scope of the work performed as part of this subsurface investigation was based on the recommendations made in the Phase I Environmental Site Assessment (ESA) that was prepared by KB Environmental Assessment dated February 2023.

Property Description
The Site is located at 172-190 3rd Avenue, 265-283 Douglass Street, and 278-286 Butler Street, referred to as 172 3rd Avenue, Brooklyn, New York 11217. The Site is identified as Block 412, part of (p/o) Lot 29 on the New York City Tax Map (Figure 1). P/o Lot 29 is an irregularly-shaped lot consisting of 130 ft of street frontage along 3rd Avenue from the corner of 3rd Avenue and Butler Street and 100 ft of street frontage along Butler Street, for a total of approximately 13,000 SF. P/o Lot 29 is currently undeveloped and has been utilized for dumpster and equipment storage yard since at least 2020.

Background
A Phase I Environmental Site Assessment Report was prepared for the Site by KB Environmental Assessment (KBEA) in February 2023. The Phase I Report was able to identify the following history for the Site:

> According to a review of NYC records, Sanborn maps, aerial photographs, historic city directories, and historic topographic maps, prior to 1886, the Site consisted of six small undeveloped tax lots fronting along Third Avenue and portions of two additional tax lots, which were developed with portions of a marble works. By 1904, the marble works expanded with an office building, an engine and rubbing stone structure and two sheds. In addition, a 1-story retail building was present at the northeastern corner. By 1915, the storage sheds were demolished and several small 1-story buildings were present at the northern and northwestern portions. By the late-1930s, two 1-story structures (a garage and a storage building) were located along the northern property boundary. Central portions of the Site were undeveloped and southern portions of the Site were developed with a 2-story building, identified as a portion of the Manifold Supply Co., including a machine shop and storage space. By 1950, northwestern portions of the Site were redeveloped with a 1-story building identified as "Compounding" and the storage building at the northeastern corner of the Site was now identified as a garage. Southern portions of the Site were developed with a 1- and partial 2-story structure identified as a storage building and connected to the "compounding" structure. Each of these structures were identified as part of the Manifold Supplies Co., which extended off-site to the south and southwest. The garage building (northeastern corner) was demolished in the early to mid-1970s. The use of the Site buildings remained the same through 2007, although the Manifold Supplies Co., was not referenced beginning on the 1977 map, with the southern and

southwestern adjacent buildings identified as non-specific uses. The structures on the Site were demolished around 2017 and the Site was utilized as a dumpster and equipment storage yard since at least 2020.

The Phase I Report identified the following recognized environmental condition (REC) for the Site:

- The regulatory agency database search revealed that the northern adjacent property, across Butler Street (170 Third Avenue) is listed on the NYSPILLS database related to an open New York State Department of Environmental Conservation (NYSDEC) spill incident. Soil and groundwater at this facility are documented as significantly impacted, with remedial activities recently initiated. Although the Spill Site is believed to be cross-gradient of the Site, information in the database report indicates that groundwater at this Spill Site may locally flow south or southeast. As such, there is a potential for groundwater contamination from the Spill Site to have migrated and impacted groundwater water quality beneath the 172 3rd Avenue property.

  KBEA recommended a subsurface investigation to include the collection and analysis of soil, groundwater, and soil vapor samples to document subsurface conditions and determine the nature and extent of contamination (if present).

Subsurface Investigation
The subsurface investigation was performed on May 1, 2023, and consisted of the installation of six soil borings (SB1 through SB6) to collect six soil samples for laboratory analysis, the installation of three (3) temporary monitoring wells to collect three groundwater samples (MW1, MW, MW3) for laboratory analysis, and the installation of three soil vapor implants to collect three soil vapor samples (SV1, SV2, SV3) for laboratory analysis.

Soil Borings
Six soil borings (SB1 through SB6) were installed at the Site in the approximate locations shown on Figure 1. The soil boring locations were chosen to gain representative soil quality information across areas of concern at the Site; including the northern portion of the Site to determine if the off-Site spill to the north had impacted soil and/or groundwater. Soil borings SB1-SB6 were performed utilizing a track mounted GeoProbe™ 6620DT with direct push technology to terminal depths of 20 feet below sidewalk grade. Retrieved sample cores were characterized by an Environmental Professional (EP) and field screened for the presence of volatile organic compounds (VOCs) using a photo-ionization detector (PID). No visual or olfactory evidence of contamination was encountered for any of the soil recovered from the soil borings. A soil sample was retained for laboratory analysis from the seven soil borings performed as follows: SB1(11-13), SB2(6-8), SB3(3-5), SB4(0-2), SB5 (3-5), and SB6 (1-3).

Historic fill material consisting of demolition debris (brick/concrete) was encountered to depths varying between 5.5 to 6 ft below sidewalk grade along the northern portion of the Site (SB-3) and up to 20 ft below sidewalk grade towards the central portion of the Site (SB-1). A brown sandy silt to gray clay with organics was encountered below the fill layer. Soil boring logs are included in the attached Appendix A.

The soil samples were appropriately packaged in laboratory provided containers, placed in coolers and shipped via laboratory dispatched courier for delivery to Phoenix Environmental Laboratories, Inc. (Phoenix) of 587 East Middle Turnpike, Manchester, CT 06040, a New York State ELAP certified environmental laboratory (ELAP Certification No. 11301). All six soil samples were analyzed for volatile organic compounds (VOCs) by USEPA Method 8260, semi-volatile organic compounds (SVOCs) by USEPA Method 8270, and target analyte list (TAL) metals by USEPA Method 6010.

Groundwater Sampling
BEC installed three temporary monitoring wells (MW1, MW2, MW3) in the locations shown on Figure 1. Each monitoring well consisted of 10 feet of 1-inch diameter PVC 0.010 slotted screen installed to a depth of 20 ft below grade. Groundwater was encountered at a depth of approximately 10.5 ft bg within each of the three monitoring wells.

BEC collected a groundwater sample from each of the three monitoring wells utilizing a peristaltic pump with disposable tubing that was replaced between each monitoring well. Following purging to remove sediment and standing water, each groundwater sample was collected in three HCl-preserved 40 ml vials (VOC analysis) and 1 amber liter glass jar (SVOC analysis). The three groundwater samples were submitted to Phoenix for analysis VOCs by USEPA Method 8260 and SVOCs by USEPA Method 8270.

Soil Vapor Implants
BEC installed three soil vapor implants (SV1, SV2, SV3) in the approximate locations shown on Figure 1. Each soil vapor implant was installed utilizing the GeoProbe direct push technology to a terminal depth of 8 ft below sidewalk grade. The soil vapor implants were GeoProbe™ Soil Vapor Implant model 213859, which consist of a 6-inch length of double woven stainless steel wire screen. 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 infiltration of foreign particles into the tube. Coarse sand was placed around the implant to a height of approximately 1 ft above the bottom of the probe. The remainder of the borehole was sealed with a bentonite slurry to the surface. The tubing was then sealed at the surface with hydrated granular bentonite

Prior to sampling, each sampling location was tested to ensure that a proper surface seal had been accomplished. In accordance with NYSDOH guidance (NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006), 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 sub-slab soil gas implant was sealed using a 1 ft by 1 ft square sheet of 2-mil HDPE plastic firmly adhered to a wetted layer of granular bentonite. The seal was then tested by enriching the air space above the seal with a tracer gas (helium) while continuously monitoring air drawn from the implant with a helium detector (Dielectric Model MGD-2002, Multi-Gas Detector) for a minimum of 15 minutes. The tracer gas test procedure was employed at all three soil vapor sampling locations. No surface seal leaks were observed at any of the locations.

Following verification that the surface seal was tight, each implant was purged using a MultiRAE meter at a rate of 0.2 liters per minute to evacuate at least three sampling tube volumes. After purging, a 6-liter Summa® canister, fitted with a 2-hour flow regulator, was attached to the surface tube of each of the three soil gas implants. Prior to initiating sample collection, sample identification, canister number, date and start time were recorded on tags attached to each canister and in a bound field 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 0 and -2 inches of mercury (approximately 2 hours), the flow controller valve was closed, and the final vacuum reading recorded in the field notebook and on the sample tag.
The three soil vapor samples were submitted to Phoenix for laboratory analysis of VOCs by EPA Method TO-15. A copy of the laboratory analytical report is included in Appendix B. Soil vapor sampling locations are shown on Figure 1.

Results

Soil
Soil sample analytical results were compared to New York State Department of Environmental Conservation (NYSDEC) Part 375 Table 375-6.8(a) and (b) Soil Cleanup Objectives (SCOs) for Unrestricted Use and Restricted Residential Use on Tables 1 (VOCs), Table 2 (SVOCs), and Table 3 (metals). A copy of the laboratory analytical report for the soil samples is included in Appendix B.

No VOCs were detected above Unrestricted Use SCOs within any of the six soil samples collected at the Site. Several SVOCs were detected above Restricted Residential SCOs within the shallow soil samples collected from the historic fill layer including benz(a)anthracene (max. of 21,000 µg/Kg), benzo(a)pyrene (max of 21,000 µg/Kg), benzo(b) fluoranthene (max. of 22,000 µg/Kg), benzo(k)fluoranthene (max. of 5,600 µg/Kg), chrysene (max. of 20,000 µg/Kg), dibenz(a,h)anthracene (max. of 2,200 µg/Kg), and indeno(1,2,3-cd)pyrene (max. of 10,000 µg/Kg). The metals arsenic (max. of 54.4 mg/Kg), barium (max. of 1,110 mg/Kg), lead (max. of 2,610 mg/Kg), and mercury (max. of 6.27 mg/Kg) were also detected above Restricted Residential SCOs within soil samples collected from the historic fill layer.

Groundwater
Groundwater sample analytical results were compared to 6NYCRR Part 703.5 Class GA groundwater quality standards (GQSs) on Table 4 (VOCs) and Table 5 (SVOCs). A copy of the laboratory analytical report for the groundwater samples is included in Appendix B.

No VOCs were detected above Groundwater Quality Standards (GQSs) within the three groundwater samples collected. However, the VOCs 1,1-dichloroethane (max. of 0.69 µg/L) and acetone (max. of 4.5 µg/L) were detected at trace concentrations below GQSs within all three groundwater samples. SVOCs were detected above GQSs within all three groundwater samples, including benz(a)anthracene (at 5 µg/L), benzo(a)pyrene (max. of 4.7 µg/L), benzo(b)fluoranthene (max. of 3 µg/L), benzo(k)fluoranthene (max. of 3.4 µg/L), chrysene (max. of 4 µg/L), and indeno(1,2,3-cd)pyrene (max. of 2.3 µg/L). The SVOCs detected in groundwater are likely associated with the shallow groundwater table and presence of historic fill material at deeper depths at the Site.

Soil Vapor
Soil vapor sample analytical results 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 on Table 6. A copy of the laboratory analytical report for the soil vapor samples is included in Appendix B.

The three (3) soil vapor samples (SV1, SV2, SV3) contained low levels of several petroleum related VOCs, with BTEX concentrations ranging from 69.04 to 96.71 µg/m^3. The presence of these compounds is indicative of typical urban background levels and is not representative of an environmental concern.

Chlorinated VOCs detected included 1,1,1-trichloroethane (max. of 75.2 µg/m^3), carbon tetrachloride (max. of 1.23 µg/m^3), cis-1,2-dichloroethene (at 2.79 µg/m^3), tetrachloroethene (max. of 9.83 µg/m^3), and trichloroethene (at 4.35 µg/m^3). Both methylene chloride and vinyl chloride were non-detect in each of the three soil vapor samples collected. Based on Soil Vapor/Indoor Air Matrices A, B, and C (May 2017) and concentrations of the matrices compounds detected within the soil vapor samples collected at the Site, NYSDOH would recommend no further action be performed on Site.

Conclusions

Phase I REC Investigation

BEC installed six soil borings across the Site and collected six soil samples for laboratory analysis, and installed three temporary monitoring wells to collect three groundwater samples for laboratory analysis. No physical or olfactory evidence of petroleum impacted soil was encountered at or immediately below the groundwater interface and no VOCs were detected above GQSs within the three groundwater samples collected at the Site. No elevated concentrations of petroleum related VOCs were detected within the three soil vapor samples collected at the Site. Therefore, it does not appear as though the Spill site located across Butler Street (170 Third Avenue) has impacted soil/groundwater at the Site.

Historic Fill Material Investigation

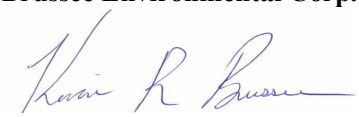
BEC encountered historical fill to varying depths between 5.5 to 6 ft below sidewalk grade along the northern portion of the Site (SB-3) and up to 20 ft below sidewalk grade towards the central portion of the Site (SB-1). Overall, the soil results were consistent with data identified at sites with historic fill material and native soil in NYC. However, there are increased levels of SVOCs and metals within one potential metals/SVOC hotspot located at the SB6 (1-3') location. Due to the Hazmat E-Designation assigned to the Site, any redevelopment proposed for the Site that requires a NYC DOB permit will require a supplemental Remedial Investigation, and submission of a Hazmat Remedial Action Work Plan (RAWP) to the New York City Office of Environmental Remediation (OER). The Hazmat RAWP will require waste characterization soil sampling for the fill material to arrange for proper handling and disposal of the fill material at an off-site disposal facility permitted to accept fill material with SVOCs and metals above Restricted Residential SCOs.

Based on the laboratory results of the three soil vapor samples collected by BEC, installation of a passive or active sub-slab depressurization system would not be warranted. However, it should be noted that as a preventative measure, OER requires installation of a 20-mil vapor barrier (or equivalent) below the entire building slab(s), below/around elevator pit(s), and behind all cellar foundation walls to grade for all redevelopment projects with a Hazmat E-Designation.

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,

Brussee Environmental Corp.



Kevin Brussee
Principal

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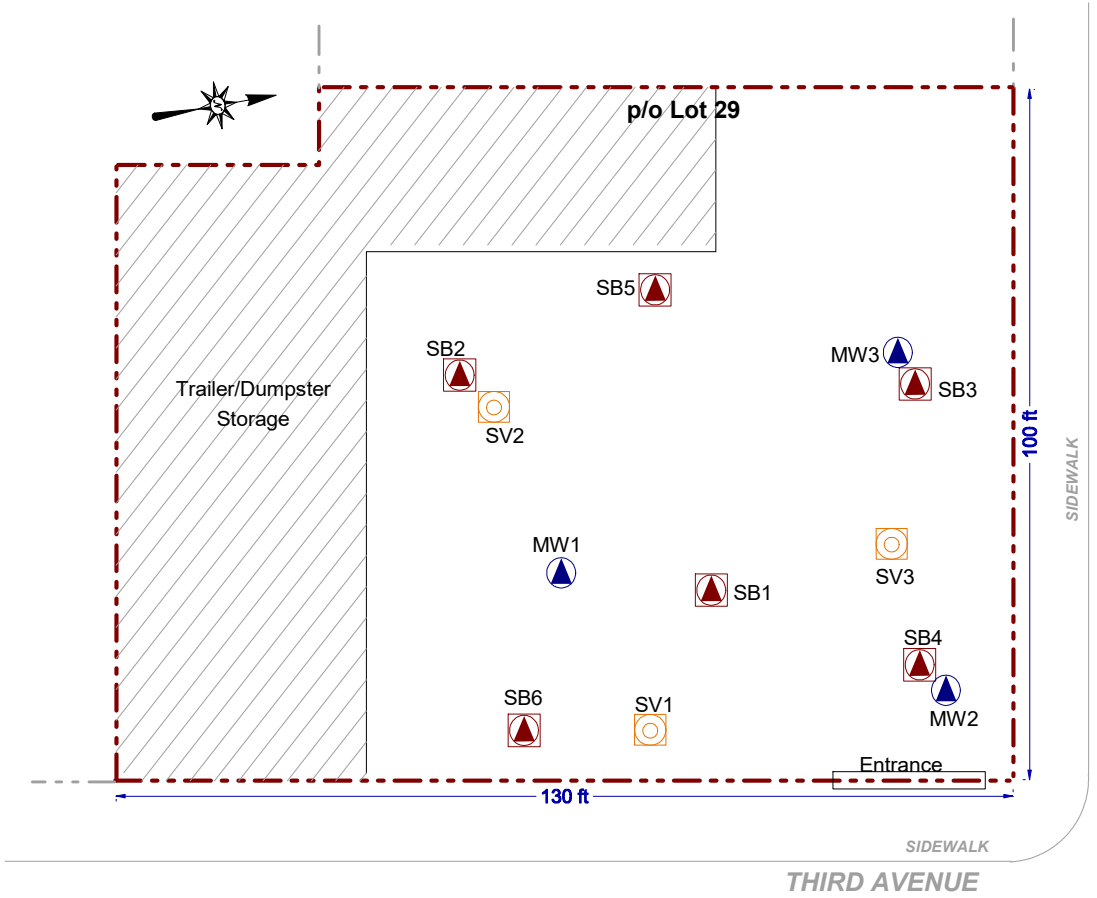
FIGURES



KEY:

- Property Boundary
- Soil Vapor Sampling Locations
- Soil Boring Sampling Locations
- Monitoring Well Sampling Location

SCALE: (feet)

0 15 30

Scale: 1 Inch = 30 feet

Soil Samples Collected:
- SB1 (11-13')
- SB2 (6-8')
- SB3 & SB5 (3-5')
- SB4 (0-2')
- SB6 (1-3')

BRUSSEE
Environmental Corp.
PHONE: 631.338.1749

Figure No. **1**

Site Name: REDEVELOPMENT PROJECT

Site Address: 172 3RD AVENUE, BROOKLYN, NY

Drawing Title: SITE SAMPLING LOCATIONS

TABLES

Table 1
172 3rd Avenue, Brooklyn, New York
Soil Analytical Results
Volatile Organic

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Residential Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	SB1		SB2		SB3		SB4		SB5		SB6	
				(11-13')		(6-8')		(3-5')		(0-2')		(3-5')		(1-3')	
				5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023	
	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
1,1,1,2-Tetrachloroethane				< 19	19	< 22	22	< 18	18	< 18	18	< 18	18	< 6.4	6.4
1,1,1-Trichloroethane	680	100,000	100,000	< 4.8	4.8	**1.2**	5.5	< 4.4	4.4	< 4.5	4.5	**0.73**	4.4	< 6.4	6.4
1,1,2,2-Tetrachloroethane				< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
1,1,2-Trichloroethane				< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
1,1-Dichloroethane	270	19,000	26,000	< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
1,1-Dichloroethene	330	100,000	100,000	< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
1,1-Dichloropropene				< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
1,2,3-Trichlorobenzene				< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
1,2,3-Trichloropropane				< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
1,2,4-Trichlorobenzene				< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
1,2,4-Trimethylbenzene	3,600	47,000	52,000	< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
1,2-Dibromo-3-chloropropane				< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
1,2-Dibromoethane				< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
1,2-Dichlorobenzene	1,100	100,000	100,000	< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
1,2-Dichloroethane	20	2,300	3,100	< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
1,2-Dichloropropane				< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
1,3,5-Trimethylbenzene	8,400	47,000	52,000	< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
1,3-Dichlorobenzene	2,400	17,000	4,900	< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
1,3-Dichloropropane				< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
1,4-dioxane				< 71	71	< 83	83	< 66	66	< 68	68	< 66	66	< 97	97
1,4-Dichlorobenzene	1,800	9,800	13,000	< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
2,2-Dichloropropane				< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
2-Chlorotoluene				< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
2-Hexanone				< 24	24	< 28	28	< 22	22	< 23	23	< 22	22	< 32	32
2-Isopropyltoluene				< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
4-Chlorotoluene				< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
4-Methyl-2-Pentanone				< 24	24	< 28	28	< 22	22	< 23	23	< 22	22	< 32	32
Acetone	50	100,000	100,000	**31**	24	**15**	28	< 22	22	**19**	23	**42**	22	**33**	32
Acrolein				< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
Acrylonitrile				< 19	19	< 22	22	< 18	18	< 9.1	9.1	< 8.8	8.8	< 13	13
Benzene	60	2,900	4,800	< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
Bromobenzene				< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
Bromochloromethane				< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
Bromodichloromethane				< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
Bromoform				< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
Bromomethane				< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
Carbon Disulfide				**0.99**	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
Carbon tetrachloride	760	1,400	2,400	< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
Chlorobenzene	1,100	100,000	100,000	< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
Chloroethane				< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
Chloroform	370	10,000	49,000	< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
Chloromethane				< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
cis-1,2-Dichloroethene	250	59,000	100,000	< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
cis-1,3-Dichloropropene				< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
Dibromochloromethane				< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
Dibromomethane				< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
Dichlorodifluoromethane				< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
Ethylbenzene	1,000	30,000	41,000	< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
Hexachlorobutadiene				< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
Isopropylbenzene				< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
m&p-Xylenes	260		100,000	< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
Methyl Ethyl Ketone (2-Butanone)	120	100,000	100,000	**8.8**	29	< 33	33	< 26	26	< 27	27	< 26	26	< 39	39
Methyl t-butyl ether (MTBE)	930	62,000	100,000	< 9.5	9.5	< 11	11	< 8.8	8.8	< 9.1	9.1	< 8.8	8.8	< 13	13
Methylene chloride	50	51,000	100,000	< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
Naphthalene	12,000	100,000	100,000	< 4.8	4.8	< 5.5	5.5	**1**	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
n-Butylbenzene	12,000	100,000	100,000	< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
n-Propylbenzene	3,900	100,000	100,000	< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
o-Xylene	260		100,000	< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
p-Isopropyltoluene				< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
sec-Butylbenzene	11,000	100,000	100,000	< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
Styrene				< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
tert-Butyl alcohol				< 95	95	< 110	110	< 88	88	< 91	91	< 88	88	< 130	130
tert-Butylbenzene	5,900	100,000	100,000	< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
Tetrachloroethene	1,300	5,500	19,000	< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
Tetrahydrofuran (THF)				**4.1**	9.5	**4**	11	**5.3**	8.8	**2.4**	9.1	**3.7**	8.8	< 13	13
Toluene	700	100,000	100,000	< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	**0.44**	4.4	< 6.4	6.4
trans-1,2-Dichloroethene	190	100,000	100,000	< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
trans-1,3-Dichloropropene				< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
trabs-1,4-dichloro-2-butene				< 9.5	9.5	< 11	11	< 8.8	8.8	< 9.1	9.1	< 8.8	8.8	< 13	13
Trichloroethene	470	10,000	21,000	< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
Trichlorofluoromethane				< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
Trichlorotrifluoroethane				< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
Vinyl Chloride	20	210	900	< 4.8	4.8	< 5.5	5.5	< 4.4	4.4	< 4.5	4.5	< 4.4	4.4	< 6.4	6.4
Total BTEX Concentration				**0.00**		**0.0**		**0.0**		**0.0**		**0.0**		**0.0**	
Total VOCs Concentration				**44.89**		**20.2**		**6.3**		**21.4**		**46.9**		**33.0**	

Notes:

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

RL - Reporting Limit

- Not Analyzed

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

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

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

Table 2
172 3rd Avenue, Brooklyn, New York
Soil Analytical Results
Semi-Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Residential Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	SB1		SB2		SB3		SB4		SB5		SB6	
				(11-13')		(6-8')		(3-5')		(0-2')		(3-5')		(1-3')	
				5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023	
				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
1,2,4,5-Tetrachlorobenzene				< 290	290	< 290	290	< 280	280	< 270	270	< 280	280	< 280	280
1,2,4-Trichlorobenzene				< 290	290	< 290	290	< 280	280	< 270	270	< 280	280	< 280	280
1,2-Dichlorobenzene	1,100	100,000	100,000	< 290	290	< 290	290	< 280	280	< 270	270	< 280	280	< 280	280
1,2-Diphenylhydrazine				< 290	290	< 290	290	< 280	280	< 270	270	< 280	280	< 280	280
1,3-Dichlorobenzene	2,400	17,000	49,000	< 290	290	< 290	290	< 280	280	< 270	270	< 280	280	< 280	280
1,4-Dichlorobenzene	1,800	9,800	13,000	< 290	290	< 290	290	< 280	280	< 270	270	< 280	280	< 280	280
2,2'-Oxybis(1-Chloropropane)				< 290	290	< 290	290	< 280	280	< 270	270	< 280	280	< 280	280
2,4,5-Trichlorophenol				< 290	290	< 290	290	< 280	280	< 270	270	< 280	280	< 280	280
2,4,6-Trichlorophenol				< 200	200	< 210	210	< 200	200	< 190	190	< 200	200	< 200	200
2,4-Dichlorophenol				< 200	200	< 210	210	< 200	200	< 190	190	< 200	200	< 200	200
2,4-Dimethylphenol				< 290	290	< 290	290	< 280	280	**120**	270	< 280	280	< 280	280
2,4-Dinitrophenol				< 290	290	< 290	290	< 280	280	< 270	270	< 280	280	< 280	280
2,4-Dinitrotoluene				< 200	200	< 210	210	< 200	200	< 190	190	< 200	200	< 200	200
2,6-Dinitrotoluene				< 200	200	< 210	210	< 200	200	< 190	190	< 200	200	< 200	200
2-Chloronaphthalene				< 290	290	< 290	290	< 280	280	< 270	270	< 280	280	< 280	280
2-Chlorophenol				< 290	290	< 290	290	< 280	280	< 270	270	< 280	280	< 280	280
2-Methylnaphthalene				**390**	290	< 290	290	**160**	280	**1,400**	270	< 280	280	**3,100**	280
2-Methylphenol (o-cresol)	330	100000	100,000	< 290	290	< 290	290	< 280	280	< 270	270	< 280	280	< 280	280
2-Nitroaniline				< 290	290	< 290	290	< 280	280	< 270	270	< 280	280	< 280	280
2-Nitrophenol				< 290	290	< 290	290	< 280	280	< 270	270	< 280	280	< 280	280
3&4-Methylphenol (m&p-cresol)				**280**	290	< 290	290	< 280	280	**230**	270	< 280	280	**200**	280
3,3'-Dichlorobenzidine				< 200	200	< 210	210	< 200	200	< 190	190	< 200	200	< 200	200
3-Nitroaniline				< 410	410	< 420	420	< 410	410	< 390	390	< 390	390	< 390	390
4,6-Dinitro-2-methylphenol				< 240	240	< 250	250	< 240	240	< 230	230	< 240	240	< 240	240
4-Bromophenyl phenyl ether				< 290	290	< 290	290	< 280	280	< 270	270	< 280	280	< 280	280
4-Chloro-3-methylphenol				< 290	290	< 290	290	< 280	280	< 270	270	< 280	280	< 280	280
4-Chloroaniline				< 330	330	< 330	330	< 330	330	< 310	310	< 320	320	< 320	320
4-Chlorophenyl phenyl ether				< 290	290	< 290	290	< 280	280	< 270	270	< 280	280	< 280	280
4-Nitroaniline				< 410	410	< 420	420	< 410	410	< 390	390	< 390	390	< 390	390
4-Nitrophenol				< 410	410	< 420	420	< 410	410	< 390	390	< 390	390	< 390	390
Acenaphthene	20,000	100,000	100,000	**780**	290	< 290	290	**250**	280	**4,400**	270	< 280	280	**7,600**	280
Acenaphthylene	100,000	100,000	100,000	**140**	290	< 290	290	< 280	280	**620**	270	< 280	280	**1,800**	280
Acetophenone				< 290	290	< 290	290	< 280	280	< 270	270	< 280	280	< 280	280
Aniline				< 330	330	< 330	330	< 330	330	< 310	310	< 320	320	< 320	320
Anthracene	100,000	100,000	100,000	**1,100**	290	< 290	290	**440**	280	**7,600**	270	**140**	280	**14,000**	1,400
Benz(a)anthracene	1,000	1,000	1,000	**1,800**	290	**360**	290	**1,100**	280	**16,000**	1,400	**410**	280	**21,000**	1,400
Benzidine				< 410	410	< 420	420	< 410	410	< 390	390	< 390	390	< 390	390
Benzo(a)pyrene	1,000	1,000	1,000	**1,800**	200	**330**	210	**930**	200	**16,000**	970	**420**	200	**21,000**	980
Benzo(b)fluoranthene	1,000	1,000	1,000	**2,000**	290	**400**	290	**1,100**	280	**17,000**	1,400	**490**	280	**22,000**	1,400
Benzo(ghi)perylene	100,000	100,000	100,000	**790**	290	**170**	290	**430**	280	**6,800**	270	**240**	280	**9,400**	1,400
Benzo(k)fluoranthene	800	1000	3,900	**730**	290	**160**	290	**410**	280	**4,900**	270	**170**	280	**5,600**	280
Benzoic acid				< 2000	2,000	< 2100	2,100	< 2000	2,000	< 1900	1,900	< 2000	2,000	< 2000	2,000
Benzyl butyl phthalate				< 290	290	< 290	290	< 280	280	< 270	270	< 280	280	< 280	280
Bis(2-chloroethoxy)methane				< 290	290	< 290	290	< 280	280	< 270	270	< 280	280	< 280	280
Bis(2-chloroethyl)ether				< 200	200	< 210	210	< 200	200	< 190	190	< 200	200	< 200	200
Bis(2-ethylhexyl)phthalate				< 290	290	< 290	290	< 280	280	< 270	270	< 280	280	**510**	280
Carbazole				**450**	200	< 210	210	**190**	200	**3,300**	190	< 200	200	**3,600**	200
Chrysene	1,000	1,000	3,900	**1,700**	290	**370**	290	**1,000**	280	**15,000**	1,400	**420**	280	**20,000**	1,400
Dibenz(a,h)anthracene	330	330	330	**240**	200	< 210	210	**160**	200	**1,600**	190	< 200	200	**2,200**	200
Dibenzofuran	7,000	14,000	59,000	**600**	290	< 290	290	**160**	280	**3,200**	270	< 280	280	**4,700**	280
Diethyl phthalate				< 290	290	< 290	290	< 280	280	< 270	270	< 280	280	< 280	280
Dimethylphthalate				< 290	290	< 290	290	< 280	280	< 270	270	< 280	280	< 280	280
Di-n-butylphthalate				< 290	290	< 290	290	< 280	280	< 270	270	< 280	280	< 280	280
Di-n-octylphthalate				< 290	290	< 290	290	< 280	280	< 270	270	< 280	280	< 280	280
Fluoranthene	100,000	100,000	100,000	**4,100**	290	**690**	290	**1,800**	280	**38,000**	6,800	**770**	280	**46,000**	6,900
Fluorene	30,000	100,000	100,000	**810**	290	< 290	290	**200**	280	**3,200**	270	< 280	280	**7,100**	280
Hexachlorobenzene	330	330	1200	< 200	200	< 210	210	< 200	200	< 190	190	< 200	200	< 200	200
Hexachlorobutadiene				< 290	290	< 290	290	< 280	280	< 270	270	< 280	280	< 280	280
Hexachlorocyclopentadiene				< 290	290	< 290	290	< 280	280	< 270	270	< 280	280	< 280	280
Hexachloroethane				< 200	200	< 210	210	< 200	200	< 190	190	< 200	200	< 200	200
Indeno(1,2,3-cd)pyrene	500	500	500	**940**	290	**190**	290	**500**	280	**7,100**	270	**260**	280	**10,000**	1,400
Isophorone				< 200	200	< 210	210	< 200	200	< 190	190	< 200	200	< 200	200
Naphthalene	12,000	100,000	100,000	**960**	290	< 290	290	**220**	280	**2,800**	270	< 280	280	**6,000**	280
Nitrobenzene				< 200	200	< 210	210	< 200	200	< 190	190	< 200	200	< 200	200
N-Nitrosodimethylamine				< 290	290	< 290	290	< 280	280	< 270	270	< 280	280	< 280	280
N-Nitrosodi-n-propylamine				< 200	200	< 210	210	< 200	200	< 190	190	< 200	200	< 200	200
N-Nitrosodiphenylamine				< 290	290	< 290	290	< 280	280	< 270	270	< 280	280	< 280	280
Pentachloronitrobenzene				< 290	290	< 290	290	< 280	280	< 270	270	< 280	280	< 280	280
Pentachlorophenol	800	2400	6,700	< 240	240	< 250	250	< 240	240	< 230	230	< 240	240	< 240	240
Phenanthrene	100,000	100,000	100,000	**3,800**	290	**650**	290	**1,900**	280	**45,000**	6,800	**630**	280	**57,000**	6,900
Phenol	330	100000	100,000	< 290	290	< 290	290	< 280	280	**160**	270	< 280	280	< 280	280
Pyrene	100,000	100,000	100,000	**3,400**	290	**570**	290	**1,500**	280	**34,000**	1,400	**680**	280	**41,000**	6,900
Pyridine				< 290	290	< 290	290	< 280	280	< 270	270	< 280	280	< 280	280
Total SVOCs				**26,810**		**3,890**		**12,450**		**228,430**		**4,630**		**303,810**	

Notes:

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

- Not Analyzed

RL - Reporting Limit

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

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

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

Table 3
172 3rd Avenue, Brooklyn, New York
Soil Analytical Results
Metals

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Residential Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	SB1		SB2		SB3		SB4		SB5		SB6	
				(11-13')		(6-8')		(3-5')		(0-2')		(3-5')		(1-3')	
				5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023	
				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
Aluminum				**5,210**	43	**4,510**	45	**6,430**	41	**10,100**	40	**6,070**	38	**4,610**	41
Antimony				< 4.3	4.3	< 4.5	4.5	< 4.1	4.1	< 4.0	4.0	< 3.8	3.8	**8**	4.1
Arsenic	13	16	16	**31.1**	0.87	**8.06**	0.90	**5.83**	0.82	**9.55**	0.81	**8.29**	0.76	**54.4**	0.83
Barium	350	350	400	**238**	0.9	**188**	0.9	**119**	0.8	**141**	0.8	**324**	0.8	**1,110**	0.8
Beryllium	7.2	14.0	72	**0.41**	0.35	< 0.36	0.36	**0.45**	0.33	**0.61**	0.32	**0.44**	0.31	**0.46**	0.33
Cadmium	2.5	2.5	4.3	**2.05**	0.43	**0.53**	0.45	**0.72**	0.41	**0.91**	0.40	**0.81**	0.38	**3.27**	0.41
Calcium				**7,420**	4.3	**3,060**	4.5	**5,010**	4.1	**10,300**	4.0	**56,000**	38	**40,000**	41
Chromium	30		180	**11.7**	0.43	**9.68**	0.45	**12.9**	0.41	**17.1**	0.40	**17.4**	0.38	**31.2**	0.41
Cobalt				**10.6**	0.43	**5.59**	0.45	**7.3**	0.41	**7.76**	0.40	**6.54**	0.38	**6.75**	0.41
Copper	50	270	270	**75.8**	0.9	**128**	0.9	**57.3**	0.8	**79.5**	0.8	**125**	0.8	**151**	0.8
Iron				**20,200**	43	**15,400**	45	**14,500**	41	**14,200**	40	**11,300**	38	**16,800**	41
Lead	63	400	400	**1,540**	8.7	**248**	9.0	**1,710**	82	**378**	8.1	**450**	7.6	**2,610**	83
Magnesium				**993**	4.3	**455**	4.5	**1,110**	4.1	**1,850**	4.0	**2,200**	3.8	**2,520**	4.1
Manganese	1,600	2,000	2,000	**124**	4.3	**50.4**	0.45	**170**	0.41	**197**	4.0	**192**	3.8	**381**	4.1
Mercury	0.18	0.81	0.81	**0.58**	0.03	**0.85**	0.03	**1.78**	0.03	**6.27**	0.15	**0.66**	0.03	**1.35**	0.03
Nickel	30	140	310	**24.5**	0.43	**13.6**	0.45	**16.7**	0.41	**22**	0.40	**21.7**	0.38	**27.9**	0.41
Potassium				**652**	9	**351**	9	**837**	8	**1,170**	81	**907**	76	**832**	8
Selenium	3.9	36.0	180	**31.6**	1.7	< 1.8	1.8	< 1.6	1.6	< 1.6	1.6	< 1.5	1.5	< 1.7	1.7
Silver	2	36	180	**0.5**	0.43	< 0.45	0.45	**0.47**	0.41	< 0.40	0.40	< 0.38	0.38	**0.59**	0.41
Sodium				**401**	9	**171**	9	**534**	82	**689**	8	**417**	8	**217**	8
Thallium				< 1.7	1.7	< 1.8	1.8	< 1.6	1.6	< 1.6	1.6	< 1.5	1.5	< 1.7	1.7
Vanadium				**24.6**	0.43	**17.1**	0.45	**18.9**	0.41	**36**	0.40	**18.8**	0.38	**34.2**	0.41
Zinc	109	2,200	10,000	**274**	8.7	**84.9**	0.9	**66.4**	0.8	**155**	0.8	**237**	7.6	**2,590**	83

Notes:

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

RL - Reporting Limit

- Not Analyzed

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

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

Table 4
172 3rd Avenue, Brooklyn, New York
Groundwater Analytical Results
Volatile Organic Compounds

COMPOUND	NYSDEC Groundwater Quality Standards	MW1		MW2		MW3	
		5/1/2023		5/1/2023		5/1/2023	
	µg/L	Result	RL	Result	RL	Result	RL
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	**0.69**	5.0	**0.29**	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	< 1.0	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
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	0.60	< 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	< 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
1,3-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	**4.5**	5.0	**3.4**	5.0	**3.8**	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		< 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
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	< 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
Isopropylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
m&p-Xylene		< 1.0	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	< 1.0	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
n-Propylbenzene	5	< 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
p-Isopropyltoluene	5	< 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
Styrene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
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	< 1.0	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
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
1,1,1,2-Tetrachloroethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
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
Tert-butyl alcohol		< 50	50	< 50	50	< 50	50
Total BTEX Concentration		**0.0**		**0.0**		**0.0**	
Total VOCs Concentration		**5.19**		**3.69**		**3.80**	

Notes:

RL - Reporting Limit

- Not Analyzed

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

Table 5
172 3rd Avenue, Brooklyn, New York
Groundwater Analytical Results
Semi-Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards	MW1		MW2		MW3	
		5/1/2023		5/1/2023		5/1/2023	
		µg/L		µg/L		µg/L	
	µg/L	Result	RL	Result	RL	Result	RL
1,2,4,5-Tetrachlorobenzene		< 3.4	3.4	< 3.4	3.4	< 3.3	3.3
1,2,4-Trichlorobenzene		< 4.9	4.9	< 4.9	4.9	< 4.8	4.8
1,2-Dichlorobenzene		< 0.98	0.98	< 0.98	0.98	< 0.95	0.95
1,2-Diphenylhydrazine		< 4.9	4.9	< 4.9	4.9	< 4.8	4.8
1,3-Dichlorobenzene	3	< 0.98	0.98	< 0.98	0.98	< 0.95	0.95
1,4-Dichlorobenzene		< 0.98	0.98	< 0.98	0.98	< 0.95	0.95
2,2'-Oxybis(1-Chloropropane)	5	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8
2,4,5-Trichlorophenol	1	< 0.98	0.98	< 0.98	0.98	< 0.95	0.95
2,4,6-Trichlorophenol	1	< 0.98	0.98	< 0.98	0.98	< 0.95	0.95
2,4-Dichlorophenol	1	< 0.98	0.98	< 0.98	0.98	< 0.95	0.95
2,4-Dimethylphenol	1	< 0.98	0.98	< 0.98	0.98	< 0.95	0.95
2,4-Dinitrophenol	1	< 0.98	0.98	< 0.98	0.98	< 0.95	0.95
2,4-Dinitrotoluene	5	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8
2,6-Dinitrotoluene	5	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8
2-Chloronaphthalene	10	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8
2-Chlorophenol	1	< 0.98	0.98	< 0.98	0.98	< 0.95	0.95
2-Methylnaphthalene		< 4.9	4.9	< 4.9	4.9	< 4.8	4.8
2-Methylphenol (o-cresol)	1	< 0.98	0.98	< 0.98	0.98	< 0.95	0.95
2-Nitroaniline	5	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8
2-Nitrophenol	1	< 0.98	0.98	< 0.98	0.98	< 0.95	0.95
3&4-Methylphenol (m&p-cresol)		< 0.98	0.98	< 0.98	0.98	< 0.95	0.95
3,3'-Dichlorobenzidine	5	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8
3-Nitroaniline	5	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8
4,6-Dinitro-2-methylphenol	1	< 0.98	0.98	< 0.98	0.98	< 0.95	0.95
4-Bromophenyl phenyl ether		< 4.9	4.9	< 4.9	4.9	< 4.8	4.8
4-Chloro-3-methylphenol	1	< 0.98	0.98	< 0.98	0.98	< 0.95	0.95
4-Chloroaniline	5	< 3.4	3.4	< 3.4	3.4	< 3.3	3.3
4-Chlorophenyl phenyl ether		< 4.9	4.9	< 4.9	4.9	< 4.8	4.8
4-Nitroaniline	5	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8
4-Nitrophenol	1	< 0.98	0.98	< 0.98	0.98	< 0.95	0.95
Acenaphthene	20	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8
Acenaphthylene		< 0.49	0.49	**1.8**	0.49	< 0.48	0.48
Acetophenone		< 4.9	4.9	< 4.9	4.9	< 4.8	4.8
Aniline	5	< 3.4	3.4	< 3.4	3.4	< 3.3	3.3
Anthracene	50	< 4.9	4.9	**1.7**	4.9	< 4.8	4.8
Benz(a)anthracene	5	**2.2**	0.02	**5**	0.02	**0.09**	0.02
Benzidine	5	< 4.4	4.4	< 4.4	4.4	< 4.3	4.3
Benzo(a)pyrene	0.002	**2.3**	0.02	**4.7**	0.02	**0.03**	0.02
Benzo(b)fluoranthene	0.002	**1.4**	0.02	**3**	0.02	**0.05**	0.02
Benzo(g,h,i)perylene		**0.84**	0.49	**1.8**	0.49	< 0.48	0.48
Benzo(k)fluoranthene	0.002	**1.5**	0.02	**3.4**	0.02	**0.03**	0.02
Benzoic Acid		< 25	25	< 25	25	< 24	24
Benzyl butyl phthalate	50	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8
Bis(2-chloroethoxy)methane	5	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8
Bis(2-chloroethyl)ether	1	< 0.98	0.98	< 0.98	0.98	< 0.95	0.95
Bis(2-ethylhexyl)phthalate	5	< 0.98	0.98	< 0.98	0.98	< 0.95	0.95
Carbazole		< 4.9	4.9	< 4.9	4.9	< 4.8	4.8
Chrysene	0.002	**2**	0.02	**4**	0.02	**0.06**	0.02
Dibenzo(a,h)anthracene		< 0.49	0.49	**0.51**	0.49	< 0.48	0.48
Dibenzofuran		< 4.9	4.9	< 4.9	4.9	< 4.8	4.8
Diethylphthalate	50	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8
Dimethylphthalate	50	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8
Di-n-butylphthalate	50	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8
Di-n-octylphthalate	50	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8
Fluoranthene	50	**3.6**	4.9	**8.1**	4.9	< 4.8	4.8
Fluorene	50	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8
Hexachlorobenzene	0.04	< 0.04	0.04	< 0.04	0.04	< 0.04	0.04
Hexachlorobutadiene	0.5	< 0.49	0.49	< 0.49	0.49	< 0.48	0.48
Hexachlorocyclopentadiene	5	< 0.49	0.49	< 0.49	0.49	< 0.48	0.48
Hexachloroethane	5	< 0.98	0.98	< 0.98	0.98	< 0.95	0.95
Indeno(1,2,3-cd)pyrene	0.002	**1.1**	0.02	**2.3**	0.02	< 0.02	0.02
Isophorone	50	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8
Naphthalene	10	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8
Nitrobenzene	0.4	< 0.39	0.39	< 0.39	0.39	< 0.38	0.38
N-Nitrosodimethylamine		< 0.10	0.10	< 0.10	0.10	< 0.10	0.10
N-Nitrosodi-n-propylamine		< 4.9	4.9	< 4.9	4.9	< 4.8	4.8
N-Nitrosodiphenylamine	50	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8
Pentachloronitrobenzene		< 2.5	2.5	< 2.5	2.5	< 2.4	2.4
Pentachlorophenol	1	< 0.49	0.49	< 0.49	0.49	< 0.48	0.48
Phenanthrene	50	**1.3**	0.49	**6.5**	0.49	< 0.48	0.48
Phenol	1	< 0.98	0.98	< 0.98	0.98	< 0.95	0.95
Pyrene	50	**3.3**	4.9	**7**	4.9	< 4.8	4.8
Pyridine	50	< 9.8	9.8	< 9.8	9.8	< 9.5	9.5

Notes:
RL - Reporting Limit
- Not Analyzed

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

Table 6
172 3rd Avenue, Brooklyn, New York
Soil Gas Analytical Results
Volatile Organic Compounds

COMPOUNDS	NYSDOH Maximum Sub-Slab Value	NYSDOH Soil Outdoor Background Levels	SV1		SV2		SV1	
			8'		8'		8'	
			5/1/2023		5/1/2023		5/1/2023	
			µg/m³		µg/m³		µg/m³	
	(µg/m^3) [a]	(µg/m^3) [b]	Result	MDL	Result	MDL	Result	RL
1,1,1,2-Tetrachloroethane			< 5.00	5.00	< 5.00	5.00	< 5.00	5.00
1,1,1-Trichloroethane	100	<2.0 - 2.8	**40.3**	5.00	**75.2**	5.00	**57.3**	5.00
1,1,2,2-Tetrachloroethane		<1.5	< 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
1,1-Dichloroethane		<1.0	< 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
1,2,4-Trichlorobenzene		NA	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00
1,2,4-Trimethylbenzene		<1.0	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01
1,2-Dibromoethane		<1.5	< 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
1,2-Dichloroethane		<1.0	< 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
1,2-Dichlorotetrafluoroethane			< 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
1,3-Butadiene		NA	< 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
1,4-Dichlorobenzene		NA	< 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
2-Hexanone			< 4.99	4.99	< 4.99	4.99	< 4.99	4.99
4-Ethyltoluene		NA	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01
4-Isopropyltoluene			< 5.00	5.00	< 5.00	5.00	< 5.00	5.00
4-Methyl-2-pentanone			**18.1**	4.99	**25.6**	4.99	**9.46**	4.99
Acetone		NA	**285**	5.01	**242**	5.01	**278**	5.01
Acrylonitrile			< 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	**7.09**	5.01
Benzyl Chloride		NA	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00
Bromodichloromethane		<5.0	< 5.00	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
Bromomethane		<1.0	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01
Carbon Disulfide		NA	< 5.01	5.01	< 5.01	5.01	**5.82**	5.01
Carbon Tetrachloride	5	<3.1	**1.23**	1.00	< 1.00	1.00	**1.16**	1.00
Chlorobenzene		<2.0	< 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
Chloroform		<2.4	< 4.98	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
cis-1,2-Dichloroethene		<1.0	**2.79**	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
Cyclohexane		NA	< 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
Dichlorodifluromethane		NA	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99
Ethanol			**19.6**	5.01	**25.4**	5.01	**15.4**	5.01
Ethyl Acetate		NA	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01
Ethylbenzene		<4.3	**9.81**	4.99	**8.2**	4.99	**6.73**	4.99
Heptane		NA	**24.9**	5.00	< 5.00	5.00	**76.6**	5.00
Hexachlorobutadiene		NA	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00
Hexane		<1.5	**86.3**	5.00	< 5.00	5.00	**110**	5.00
Isopropylalcohol		NA	< 5.01	5.01	**20.4**	5.01	**5.4**	5.01
Isopropylbenzene			< 5.01	5.01	< 5.01	5.01	< 5.01	5.01
Xylene (m&p)		<4.3	**43**	4.99	**35.8**	4.99	**29.3**	4.99
Methyl Ethyl Ketone			**26.2**	5.01	**79.3**	5.01	**21.7**	5.01
MTBE		NA	< 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
n-Butylbenzene			< 5.00	5.00	< 5.00	5.00	< 5.00	5.00
Xylene (o)		<4.3	**10.2**	4.99	**8.98**	4.99	**7.12**	4.99
Propylene		NA	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01
sec-Butylbenzene			< 5.00	5.00	< 5.00	5.00	< 5.00	5.00
Styrene		<1.0	**5.45**	4.98	**6.26**	4.98	**5.83**	4.98
Tetrachloroethene	30		**9.83**	1.25	**8.47**	1.25	**3.52**	1.25
Tetrahydrofuran		NA	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01
Toluene		1.0 - 6.1	**33.7**	5.01	**23.8**	5.01	**18.8**	5.01
trans-1,2-Dichloroethene		NA	< 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
Trichloroethene	5	<1.7	**4.35**	0.99	< 0.99	0.99	< 0.99	0.99
Trichlorofluoromethane		NA	**6.12**	5.00	**29.7**	5.00	**5.03**	5.00
Trichlorotrifluoroethane			< 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
BTEX			**96.71**		**76.78**		**69.04**	
Total VOCs			**626.88**		**589.11**		**664.26**	
Total CVOCs			**58.50**		**83.67**		**61.98**	

Notes:
NA No guidance value or standard available

(a) Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York. October 2006. New York State Department of Health.

(b) NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, February 2005, Summary of Background Levels for Selected Compounds (NYSDOH Database, Outdoor values)

APPENDIX A
Soil Boring Logs

Geologic Boring Log Details

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

SB1

Location: Performed 44ft from North (Butler St), 28ft from East property boundaries		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: Redevelopment Project	Address: 172 3rd Avenue, Brooklyn NY	Date / DTW	Ground Elevation
		Groundwater depth	
Drilling Company: Coastal Environmental Solutions	Method: Geoprobe 6620DT	10.5'	Well Specifications
Date Started: 5/1/2023	Date Completed: 5/1/2023		
Completion Depth: 20 Feet	Geologist Thomas Gallo		

SB1 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	30		0.0	30" - interlayered silty fill with brick and black fill
	5 to 10	24		0.0	24" - interlayered silty fill with brick and black fill
	10 to 15	23		0.0	23" - interlayered silty fill with brick and black fill **Retained soil sample SB1 (11-13')*
	15 to 20	24		0.0	4" - gray-black fill with brick 20" - gray clay with organics

Geologic Boring Log Details

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

SB2

Location: Performed 78ft from North (Butler St), 57ft from East property boundaries		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: Redevelopment Project	Address: 172 3rd Avenue, Brooklyn NY	Date / DTW	Ground Elevation
		Groundwater depth	
Drilling Company: Coastal Environmental Solutions	Method: Geoprobe 6620DT	10.5'	Well Specifications
Date Started: 5/1/2023	Date Completed: 5/1/2023		
Completion Depth: 20 Feet	Geologist Thomas Gallo		

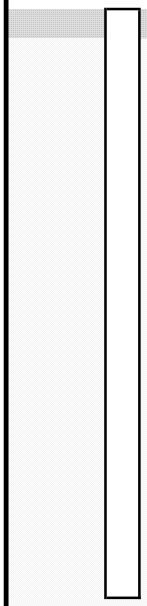
SB2 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	19		0.0	13" - brown silt with brick 6" - gray and black fill with ash
	5 to 10	27		0.0	27" - interlayered silty fill with brick and black fill **Retained soil sample SB2 (6-8')*
	10 to 15	27		0.0	20" - brown sandy silt with brick 7" - gray clay
	15 to 20	33		0.0	33" - damp gray clay

Geologic Boring Log Details

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

SB3

Location: Performed 15ft from North (Butler St), 60ft from East property boundaries			Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: Redevelopment Project	Address: 172 3rd Avenue, Brooklyn NY		Date / DTW	Ground Elevation
			Groundwater depth	
Drilling Company: Coastal Environmental Solutions	Method: Geoprobe 6620DT		10.5'	Well Specifications
Date Started: 5/1/2023	Date Completed: 5/1/2023			
Completion Depth: 20 Feet	Geologist Thomas Gallo			

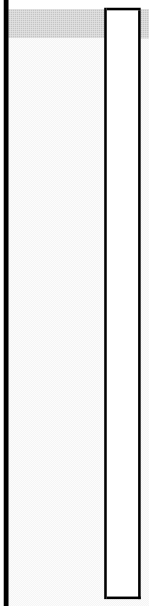
SB3 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	24		0.0	17" - brown silt with brick and asphalt 7" - black - gray fill with ash **Retained soil sample SB3 (3-5')*
	5 to 10	18		0.0	3" - sandy silt with brick 15" - damp brown-gray sandy silt with rock
	10 to 15	5		0.0	5" - damp brown-gray sandy silt with rock
	15 to 20	26		0.0	23" - wet gray sandy clay 3" - black clay with organics

Geologic Boring Log Details

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

SB4

Location: Performed 12ft from North (Butler St), 16ft from East property boundaries		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: Redevelopment Project	Address: 172 3rd Avenue, Brooklyn NY	Date / DTW	Ground Elevation
		Groundwater depth	
Drilling Company: Coastal Environmental Solutions	Method: Geoprobe 6620DT	10.5'	Well Specifications
Date Started: 5/1/2023	Date Completed: 5/1/2023		
Completion Depth: 20 Feet	Geologist Thomas Gallo		

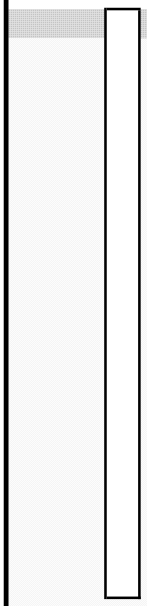
SB4 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	22		0.0	10" - gray-black fill 6" - brown silt with brick and tile 6" - brown sandy silt, trace clay **Retained soil sample SB4 (0-2')*
	5 to 10	31		0.0	31" - brown sandy silt, trace clay and brick fragments
	10 to 15	18		0.0	18" - damp-wet brown sandy silt, trace clay and brick fragments
	15 to 20	19		0.0	7" - wet sandy silt, trace clay 6" - wet fine brown/gray sand 6" - gray clay with organics

Geologic Boring Log Details

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

SB5

Location: Performed 51ft from North (Butler St), 70ft from East property boundaries		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: Redevelopment Project	Address: 172 3rd Avenue, Brooklyn NY	Date / DTW	Ground Elevation
		Groundwater depth	
Drilling Company: Coastal Environmental Solutions	Method: Geoprobe 6620DT	10.5'	Well Specifications
Date Started: 5/1/2023	Date Completed: 5/1/2023		
Completion Depth: 20 Feet	Geologist Thomas Gallo		

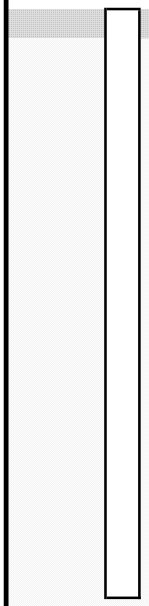
SB5 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	15		0.0	15" - interlayered silty fill with brick and black fill **Retained soil sample SB5 (3-5')*
	5 to 10	22		0.0	22" - interlayered silty fill with brick and black fill
	10 to 15	12		0.0	10" - wet gray fill 2" - wet brown silt
	15 to 20	NR			*No Recovery*

Geologic Boring Log Details

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

SB6

Location: Performed 71ft from North (Butler St), 7ft from East property boundaries		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: Redevelopment Project	Address: 172 3rd Avenue, Brooklyn NY	Date / DTW	Ground Elevation
		Groundwater depth	
Drilling Company: Coastal Environmental Solutions	Method: Geoprobe 6620DT	10.5'	Well Specifications
Date Started: 5/1/2023	Date Completed: 5/1/2023		
Completion Depth: 20 Feet	Geologist Thomas Gallo		

SB6 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	12		0.0	12" - black silty fill **Retained soil sample SB6 (1-3')*
	5 to 10	20		0.0	2" - black silty fill 18" - brown sandy silt with brick fragments
	10 to 15	30		0.0	20" - brown sandy silt with brick fragments 10" - wet gray sandy clay
	15 to 20	48		0.0	48" - wet gray/brown sandy clay

APPENDIX B
Laboratory Reports

PHOENIX
Environmental Laboratories, Inc.

Tuesday, May 09, 2023

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

Project ID: **172 THIRD AVENUE BROOKLYN**
SDG ID: **GCN95059**
Sample ID#s: CN95059 - CN95061

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
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

May 09, 2023

SDG I.D.: GCN95059

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.

1,4-dioxane:
1,4-dioxane does not meet GW criteria, this compound is analyzed by GC/MS method 522 or 8270SIM when this criteria needs to be met.

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

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

NY # 11301

Sample Id Cross Reference

May 09, 2023

SDG I.D.: GCN95059

Project ID: 172 THIRD AVENUE BROOKLYN

Client Id	Lab Id	Matrix
MW1	CN95059	GROUND WATER
MW2	CN95060	GROUND WATER
MW3	CN95061	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

May 09, 2023

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:	TG	05/01/23	12:00
Location Code:	BRUSSEE	Received by:	CP	05/01/23	18:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN95059
Phoenix ID: CN95059

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: MW1

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Semi-Volatile Extraction	Completed						05/03/23	P/AL	SW3520C	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,1,1-Trichloroethane	ND		5.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,1,2-Trichloroethane	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,1-Dichloroethane	0.69	J	5.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,1-Dichloroethene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,1-Dichloropropene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,2,3-Trichloropropane	ND		0.25	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,2,4-Trimethylbenzene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND		0.50	0.50	ug/L	1	05/01/23	MH	SW8260C	
1,2-Dibromoethane	ND		0.25	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,2-Dichlorobenzene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,2-Dichloroethane	ND		0.60	0.50	ug/L	1	05/01/23	MH	SW8260C	
1,2-Dichloropropane	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,3,5-Trimethylbenzene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,3-Dichlorobenzene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,3-Dichloropropane	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,4-Dichlorobenzene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
2,2-Dichloropropane	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
2-Chlorotoluene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
2-Hexanone	ND		2.5	2.5	ug/L	1	05/01/23	MH	SW8260C	
2-Isopropyltoluene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	1

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: MW1

Phoenix I.D.: CN95059

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
4-Chlorotoluene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
4-Methyl-2-pentanone	ND		2.5	2.5	ug/L	1	05/01/23	MH	SW8260C	
Acetone	4.5	JS	5.0	2.5	ug/L	1	05/01/23	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	05/01/23	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	05/01/23	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	05/01/23	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	05/01/23	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	05/01/23	MH	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	05/01/23	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	05/01/23	MH	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	05/01/23	MH	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	05/01/23	MH	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	05/01/23	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	05/01/23	MH	SW8260C	
Trichloroethene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	102				%	1	05/01/23	MH	70 - 130 %	

Ver 1

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: MW1

Phoenix I.D.: CN95059

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% Bromofluorobenzene	96			%	1	05/01/23	MH	70 - 130 %	
% Dibromofluoromethane	103			%	1	05/01/23	MH	70 - 130 %	
% Toluene-d8	98			%	1	05/01/23	MH	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	100		ug/l	1	05/01/23	MH	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	102			%	1	05/01/23	MH	70 - 130 %	
% Bromofluorobenzene	96			%	1	05/01/23	MH	70 - 130 %	
% Dibromofluoromethane	103			%	1	05/01/23	MH	70 - 130 %	
% Toluene-d8	98			%	1	05/01/23	MH	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	05/01/23	MH	SW8260C	
Acrolein	ND	5.0		ug/L	1	05/01/23	MH	SW8260C	
Acrylonitrile	ND	5.0		ug/L	1	05/01/23	MH	SW8260C	
Tert-butyl alcohol	ND	50		ug/L	1	05/01/23	MH	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	3.4	3.4	ug/L	1	05/06/23	KCA	SW8270D	
1,2,4-Trichlorobenzene	ND	4.9	1.5	ug/L	1	05/06/23	KCA	SW8270D	
1,2-Dichlorobenzene	ND	0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D	
1,2-Diphenylhydrazine	ND	4.9	1.6	ug/L	1	05/06/23	KCA	SW8270D	
1,3-Dichlorobenzene	ND	0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D	
1,4-Dichlorobenzene	ND	0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	4.9	1.4	ug/L	1	05/06/23	KCA	SW8270D	1
2,4,5-Trichlorophenol	ND	0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D	
2,4,6-Trichlorophenol	ND	0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D	
2,4-Dichlorophenol	ND	0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D	
2,4-Dimethylphenol	ND	0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D	
2,4-Dinitrophenol	ND	0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D	
2,4-Dinitrotoluene	ND	4.9	1.9	ug/L	1	05/06/23	KCA	SW8270D	
2,6-Dinitrotoluene	ND	4.9	1.5	ug/L	1	05/06/23	KCA	SW8270D	
2-Chloronaphthalene	ND	4.9	1.4	ug/L	1	05/06/23	KCA	SW8270D	
2-Chlorophenol	ND	0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D	
2-Methylnaphthalene	ND	4.9	1.5	ug/L	1	05/06/23	KCA	SW8270D	
2-Methylphenol (o-cresol)	ND	0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D	
2-Nitroaniline	ND	4.9	2.0	ug/L	1	05/06/23	KCA	SW8270D	
2-Nitrophenol	ND	0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D	
3,3'-Dichlorobenzidine	ND	4.9	2.3	ug/L	1	05/06/23	KCA	SW8270D	
3-Nitroaniline	ND	4.9	2.0	ug/L	1	05/06/23	KCA	SW8270D	
4,6-Dinitro-2-methylphenol	ND	0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D	
4-Bromophenyl phenyl ether	ND	4.9	1.4	ug/L	1	05/06/23	KCA	SW8270D	
4-Chloro-3-methylphenol	ND	0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D	
4-Chloroaniline	ND	3.4	2.3	ug/L	1	05/06/23	KCA	SW8270D	
4-Chlorophenyl phenyl ether	ND	4.9	1.6	ug/L	1	05/06/23	KCA	SW8270D	
4-Nitroaniline	ND	4.9	1.6	ug/L	1	05/06/23	KCA	SW8270D	
4-Nitrophenol	ND	0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D	
Acenaphthene	ND	4.9	1.5	ug/L	1	05/06/23	KCA	SW8270D	

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: MW1

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Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetophenone	ND		4.9	1.5	ug/L	1	05/06/23	KCA	SW8270D
Aniline	ND		3.4	3.4	ug/L	1	05/06/23	KCA	SW8270D
Anthracene	ND		4.9	1.6	ug/L	1	05/06/23	KCA	SW8270D
Benzidine	ND		4.4	2.9	ug/L	1	05/06/23	KCA	SW8270D
Benzoic acid	ND		25	9.8	ug/L	1	05/06/23	KCA	SW8270D
Benzyl butyl phthalate	ND		4.9	1.3	ug/L	1	05/06/23	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND		4.9	1.4	ug/L	1	05/06/23	KCA	SW8270D
Bis(2-chloroethyl)ether	ND		0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND		0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D
Carbazole	ND		4.9	3.7	ug/L	1	05/06/23	KCA	SW8270D
Dibenzofuran	ND		4.9	1.4	ug/L	1	05/06/23	KCA	SW8270D
Diethyl phthalate	ND		4.9	1.5	ug/L	1	05/06/23	KCA	SW8270D
Dimethylphthalate	ND		4.9	1.5	ug/L	1	05/06/23	KCA	SW8270D
Di-n-butylphthalate	ND		4.9	1.3	ug/L	1	05/06/23	KCA	SW8270D
Di-n-octylphthalate	ND		4.9	1.3	ug/L	1	05/06/23	KCA	SW8270D
Fluoranthene	3.6	J	4.9	1.6	ug/L	1	05/06/23	KCA	SW8270D
Fluorene	ND		4.9	1.6	ug/L	1	05/06/23	KCA	SW8270D
Hexachloroethane	ND		0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D
Isophorone	ND		4.9	1.4	ug/L	1	05/06/23	KCA	SW8270D
Naphthalene	ND		4.9	1.4	ug/L	1	05/06/23	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND		4.9	1.6	ug/L	1	05/06/23	KCA	SW8270D
N-Nitrosodiphenylamine	ND		4.9	1.9	ug/L	1	05/06/23	KCA	SW8270D
Pentachloronitrobenzene	ND		2.5	2.5	ug/L	1	05/06/23	KCA	SW8270D
Phenol	ND		0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D
Pyrene	3.3	J	4.9	1.7	ug/L	1	05/06/23	KCA	SW8270D
Pyridine	ND		9.8	1.2	ug/L	1	05/06/23	KCA	SW8270D
QA/QC Surrogates									
% 2,4,6-Tribromophenol	87				%	1	05/06/23	KCA	15 - 110 %
% 2-Fluorobiphenyl	76				%	1	05/06/23	KCA	30 - 130 %
% 2-Fluorophenol	59				%	1	05/06/23	KCA	15 - 110 %
% Nitrobenzene-d5	81				%	1	05/06/23	KCA	30 - 130 %
% Phenol-d5	63				%	1	05/06/23	KCA	15 - 110 %
% Terphenyl-d14	33				%	1	05/06/23	KCA	30 - 130 %
Semivolatiles									
Acenaphthylene	ND		0.49	0.49	ug/L	1	05/05/23	KCA	SW8270D (SIM)
Benz(a)anthracene	2.2		0.02	0.02	ug/L	1	05/05/23	KCA	SW8270D (SIM)
Benzo(a)pyrene	2.3		0.02	0.02	ug/L	1	05/05/23	KCA	SW8270D (SIM)
Benzo(b)fluoranthene	1.4		0.02	0.02	ug/L	1	05/05/23	KCA	SW8270D (SIM)
Benzo(ghi)perylene	0.84		0.49	0.49	ug/L	1	05/05/23	KCA	SW8270D (SIM)
Benzo(k)fluoranthene	1.5		0.02	0.02	ug/L	1	05/05/23	KCA	SW8270D (SIM)
Chrysene	2.0		0.02	0.02	ug/L	1	05/05/23	KCA	SW8270D (SIM)
Dibenz(a,h)anthracene	ND		0.49	0.49	ug/L	1	05/05/23	KCA	SW8270D (SIM)
Hexachlorobenzene	ND		0.04	0.04	ug/L	1	05/05/23	KCA	SW8270D (SIM)
Hexachlorobutadiene	ND		0.49	0.49	ug/L	1	05/05/23	KCA	SW8270D (SIM)
Hexachlorocyclopentadiene	ND		0.49	0.49	ug/L	1	05/05/23	KCA	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	1.1		0.02	0.02	ug/L	1	05/05/23	KCA	SW8270D (SIM)
Nitrobenzene	ND		0.39	0.39	ug/L	1	05/05/23	KCA	SW8270D (SIM)
N-Nitrosodimethylamine	ND		0.10	0.10	ug/L	1	05/05/23	KCA	SW8270D (SIM)
Pentachlorophenol	ND		0.49	0.49	ug/L	1	05/05/23	KCA	SW8270D (SIM)

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: MW1

Phoenix I.D.: CN95059

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Phenanthrene	1.3	0.49	0.49	ug/L	1	05/05/23	KCA	SW8270D (SIM)
QA/QC Surrogates								
% 2,4,6-Tribromophenol	105			%	1	05/05/23	KCA	15 - 110 %
% 2-Fluorobiphenyl	70			%	1	05/05/23	KCA	30 - 130 %
% 2-Fluorophenol	59			%	1	05/05/23	KCA	15 - 110 %
% Nitrobenzene-d5	82			%	1	05/05/23	KCA	30 - 130 %
% Phenol-d5	79			%	1	05/05/23	KCA	15 - 110 %
% Terphenyl-d14	34			%	1	05/05/23	KCA	30 - 130 %

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

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

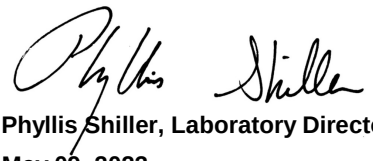
Comments:

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

Volatile Comment:
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

May 09, 2023

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

May 09, 2023

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:	TG	05/01/23	11:00
Location Code:	BRUSSEE	Received by:	CP	05/01/23	18:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN95059
Phoenix ID: CN95060

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: MW2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Semi-Volatile Extraction	Completed						05/03/23	P/AL	SW3520C	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,1,1-Trichloroethane	ND		5.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,1,2-Trichloroethane	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,1-Dichloroethane	0.29	J	5.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,1-Dichloroethene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,1-Dichloropropene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,2,3-Trichloropropane	ND		0.25	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,2,4-Trimethylbenzene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND		0.50	0.50	ug/L	1	05/01/23	MH	SW8260C	
1,2-Dibromoethane	ND		0.25	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,2-Dichlorobenzene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,2-Dichloroethane	ND		0.60	0.50	ug/L	1	05/01/23	MH	SW8260C	
1,2-Dichloropropane	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,3,5-Trimethylbenzene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,3-Dichlorobenzene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,3-Dichloropropane	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,4-Dichlorobenzene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
2,2-Dichloropropane	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
2-Chlorotoluene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
2-Hexanone	ND		2.5	2.5	ug/L	1	05/01/23	MH	SW8260C	
2-Isopropyltoluene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	1

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: MW2

Phoenix I.D.: CN95060

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
4-Chlorotoluene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
4-Methyl-2-pentanone	ND		2.5	2.5	ug/L	1	05/01/23	MH	SW8260C	
Acetone	3.4	JS	5.0	2.5	ug/L	1	05/01/23	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	05/01/23	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	05/01/23	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	05/01/23	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	05/01/23	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	05/01/23	MH	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	05/01/23	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	05/01/23	MH	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	05/01/23	MH	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	05/01/23	MH	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	05/01/23	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	05/01/23	MH	SW8260C	
Trichloroethene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	101				%	1	05/01/23	MH	70 - 130 %	

Ver 1

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: MW2

Phoenix I.D.: CN95060

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% Bromofluorobenzene	97			%	1	05/01/23	MH	70 - 130 %	
% Dibromofluoromethane	104			%	1	05/01/23	MH	70 - 130 %	
% Toluene-d8	98			%	1	05/01/23	MH	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	100		ug/l	1	05/01/23	MH	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	101			%	1	05/01/23	MH	70 - 130 %	
% Bromofluorobenzene	97			%	1	05/01/23	MH	70 - 130 %	
% Dibromofluoromethane	104			%	1	05/01/23	MH	70 - 130 %	
% Toluene-d8	98			%	1	05/01/23	MH	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	05/01/23	MH	SW8260C	
Acrolein	ND	5.0		ug/L	1	05/01/23	MH	SW8260C	
Acrylonitrile	ND	5.0		ug/L	1	05/01/23	MH	SW8260C	
Tert-butyl alcohol	ND	50		ug/L	1	05/01/23	MH	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	3.4	3.4	ug/L	1	05/06/23	KCA	SW8270D	
1,2,4-Trichlorobenzene	ND	4.9	1.5	ug/L	1	05/06/23	KCA	SW8270D	
1,2-Dichlorobenzene	ND	0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D	
1,2-Diphenylhydrazine	ND	4.9	1.6	ug/L	1	05/06/23	KCA	SW8270D	
1,3-Dichlorobenzene	ND	0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D	
1,4-Dichlorobenzene	ND	0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	4.9	1.4	ug/L	1	05/06/23	KCA	SW8270D	1
2,4,5-Trichlorophenol	ND	0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D	
2,4,6-Trichlorophenol	ND	0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D	
2,4-Dichlorophenol	ND	0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D	
2,4-Dimethylphenol	ND	0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D	
2,4-Dinitrophenol	ND	0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D	
2,4-Dinitrotoluene	ND	4.9	1.9	ug/L	1	05/06/23	KCA	SW8270D	
2,6-Dinitrotoluene	ND	4.9	1.5	ug/L	1	05/06/23	KCA	SW8270D	
2-Chloronaphthalene	ND	4.9	1.4	ug/L	1	05/06/23	KCA	SW8270D	
2-Chlorophenol	ND	0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D	
2-Methylnaphthalene	ND	4.9	1.5	ug/L	1	05/06/23	KCA	SW8270D	
2-Methylphenol (o-cresol)	ND	0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D	
2-Nitroaniline	ND	4.9	2.0	ug/L	1	05/06/23	KCA	SW8270D	
2-Nitrophenol	ND	0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D	
3,3'-Dichlorobenzidine	ND	4.9	2.3	ug/L	1	05/06/23	KCA	SW8270D	
3-Nitroaniline	ND	4.9	2.0	ug/L	1	05/06/23	KCA	SW8270D	
4,6-Dinitro-2-methylphenol	ND	0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D	
4-Bromophenyl phenyl ether	ND	4.9	1.4	ug/L	1	05/06/23	KCA	SW8270D	
4-Chloro-3-methylphenol	ND	0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D	
4-Chloroaniline	ND	3.4	2.3	ug/L	1	05/06/23	KCA	SW8270D	
4-Chlorophenyl phenyl ether	ND	4.9	1.6	ug/L	1	05/06/23	KCA	SW8270D	
4-Nitroaniline	ND	4.9	1.6	ug/L	1	05/06/23	KCA	SW8270D	
4-Nitrophenol	ND	0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D	
Acenaphthene	ND	4.9	1.5	ug/L	1	05/06/23	KCA	SW8270D	

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: MW2

Phoenix I.D.: CN95060

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetophenone	ND		4.9	1.5	ug/L	1	05/06/23	KCA	SW8270D
Aniline	ND		3.4	3.4	ug/L	1	05/06/23	KCA	SW8270D
Anthracene	1.7	J	4.9	1.6	ug/L	1	05/06/23	KCA	SW8270D
Benzidine	ND		4.4	2.9	ug/L	1	05/06/23	KCA	SW8270D
Benzoic acid	ND		25	9.8	ug/L	1	05/06/23	KCA	SW8270D
Benzyl butyl phthalate	ND		4.9	1.3	ug/L	1	05/06/23	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND		4.9	1.4	ug/L	1	05/06/23	KCA	SW8270D
Bis(2-chloroethyl)ether	ND		0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND		0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D
Carbazole	ND		4.9	3.7	ug/L	1	05/06/23	KCA	SW8270D
Dibenzofuran	ND		4.9	1.4	ug/L	1	05/06/23	KCA	SW8270D
Diethyl phthalate	ND		4.9	1.5	ug/L	1	05/06/23	KCA	SW8270D
Dimethylphthalate	ND		4.9	1.5	ug/L	1	05/06/23	KCA	SW8270D
Di-n-butylphthalate	ND		4.9	1.3	ug/L	1	05/06/23	KCA	SW8270D
Di-n-octylphthalate	ND		4.9	1.3	ug/L	1	05/06/23	KCA	SW8270D
Fluoranthene	8.1		4.9	1.6	ug/L	1	05/06/23	KCA	SW8270D
Fluorene	ND		4.9	1.6	ug/L	1	05/06/23	KCA	SW8270D
Hexachloroethane	ND		0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D
Isophorone	ND		4.9	1.4	ug/L	1	05/06/23	KCA	SW8270D
Naphthalene	ND		4.9	1.4	ug/L	1	05/06/23	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND		4.9	1.6	ug/L	1	05/06/23	KCA	SW8270D
N-Nitrosodiphenylamine	ND		4.9	1.9	ug/L	1	05/06/23	KCA	SW8270D
Pentachloronitrobenzene	ND		2.5	2.5	ug/L	1	05/06/23	KCA	SW8270D
Phenol	ND		0.98	0.98	ug/L	1	05/06/23	KCA	SW8270D
Pyrene	7.0		4.9	1.7	ug/L	1	05/06/23	KCA	SW8270D
Pyridine	ND		9.8	1.2	ug/L	1	05/06/23	KCA	SW8270D
QA/QC Surrogates									
% 2,4,6-Tribromophenol	92				%	1	05/06/23	KCA	15 - 110 %
% 2-Fluorobiphenyl	76				%	1	05/06/23	KCA	30 - 130 %
% 2-Fluorophenol	57				%	1	05/06/23	KCA	15 - 110 %
% Nitrobenzene-d5	88				%	1	05/06/23	KCA	30 - 130 %
% Phenol-d5	59				%	1	05/06/23	KCA	15 - 110 %
% Terphenyl-d14	35				%	1	05/06/23	KCA	30 - 130 %
Semivolatiles									
Acenaphthylene	1.8		0.49	0.49	ug/L	1	05/05/23	KCA	SW8270D (SIM)
Benz(a)anthracene	5.0		0.02	0.02	ug/L	1	05/05/23	KCA	SW8270D (SIM)
Benzo(a)pyrene	4.7		0.02	0.02	ug/L	1	05/05/23	KCA	SW8270D (SIM)
Benzo(b)fluoranthene	3.0		0.02	0.02	ug/L	1	05/05/23	KCA	SW8270D (SIM)
Benzo(ghi)perylene	1.8		0.49	0.49	ug/L	1	05/05/23	KCA	SW8270D (SIM)
Benzo(k)fluoranthene	3.4		0.02	0.02	ug/L	1	05/05/23	KCA	SW8270D (SIM)
Chrysene	4.0		0.02	0.02	ug/L	1	05/05/23	KCA	SW8270D (SIM)
Dibenz(a,h)anthracene	0.51		0.49	0.49	ug/L	1	05/05/23	KCA	SW8270D (SIM)
Hexachlorobenzene	ND		0.04	0.04	ug/L	1	05/05/23	KCA	SW8270D (SIM)
Hexachlorobutadiene	ND		0.49	0.49	ug/L	1	05/05/23	KCA	SW8270D (SIM)
Hexachlorocyclopentadiene	ND		0.49	0.49	ug/L	1	05/05/23	KCA	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	2.3		0.02	0.02	ug/L	1	05/05/23	KCA	SW8270D (SIM)
Nitrobenzene	ND		0.39	0.39	ug/L	1	05/05/23	KCA	SW8270D (SIM)
N-Nitrosodimethylamine	ND		0.10	0.10	ug/L	1	05/05/23	KCA	SW8270D (SIM)
Pentachlorophenol	ND		0.49	0.49	ug/L	1	05/05/23	KCA	SW8270D (SIM)

Ver 1

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: MW2

Phoenix I.D.: CN95060

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Phenanthrene	6.5	0.49	0.49	ug/L	1	05/05/23	KCA	SW8270D (SIM)
QA/QC Surrogates								
% 2,4,6-Tribromophenol	110			%	1	05/05/23	KCA	15 - 110 %
% 2-Fluorobiphenyl	72			%	1	05/05/23	KCA	30 - 130 %
% 2-Fluorophenol	56			%	1	05/05/23	KCA	15 - 110 %
% Nitrobenzene-d5	84			%	1	05/05/23	KCA	30 - 130 %
% Phenol-d5	75			%	1	05/05/23	KCA	15 - 110 %
% Terphenyl-d14	39			%	1	05/05/23	KCA	30 - 130 %

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

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

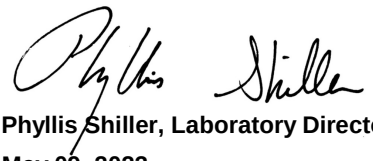
Comments:

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

Volatile Comment:
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

May 09, 2023

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

May 09, 2023

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:	TG	05/01/23	10:00
Location Code:	BRUSSEE	Received by:	CP	05/01/23	18:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN95059
Phoenix ID: CN95061

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: MW3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Semi-Volatile Extraction	Completed					05/03/23	P/AL	SW3520C	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	05/01/23	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	05/01/23	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	05/01/23	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	1

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: MW3

Phoenix I.D.: CN95061

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
4-Chlorotoluene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
4-Methyl-2-pentanone	ND		2.5	2.5	ug/L	1	05/01/23	MH	SW8260C	
Acetone	3.8	JS	5.0	2.5	ug/L	1	05/01/23	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	05/01/23	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	05/01/23	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	05/01/23	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	05/01/23	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	05/01/23	MH	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	05/01/23	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	05/01/23	MH	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	05/01/23	MH	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	05/01/23	MH	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	05/01/23	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	05/01/23	MH	SW8260C	
Trichloroethene	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	05/01/23	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	102				%	1	05/01/23	MH	70 - 130 %	

Ver 1

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: MW3

Phoenix I.D.: CN95061

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% Bromofluorobenzene	95			%	1	05/01/23	MH	70 - 130 %	
% Dibromofluoromethane	102			%	1	05/01/23	MH	70 - 130 %	
% Toluene-d8	98			%	1	05/01/23	MH	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	100		ug/l	1	05/01/23	MH	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	102			%	1	05/01/23	MH	70 - 130 %	
% Bromofluorobenzene	95			%	1	05/01/23	MH	70 - 130 %	
% Dibromofluoromethane	102			%	1	05/01/23	MH	70 - 130 %	
% Toluene-d8	98			%	1	05/01/23	MH	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	05/01/23	MH	SW8260C	
Acrolein	ND	5.0		ug/L	1	05/01/23	MH	SW8260C	
Acrylonitrile	ND	5.0		ug/L	1	05/01/23	MH	SW8260C	
Tert-butyl alcohol	ND	50		ug/L	1	05/01/23	MH	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	3.3	3.3	ug/L	1	05/06/23	KCA	SW8270D	
1,2,4-Trichlorobenzene	ND	4.8	1.4	ug/L	1	05/06/23	KCA	SW8270D	
1,2-Dichlorobenzene	ND	0.95	0.95	ug/L	1	05/06/23	KCA	SW8270D	
1,2-Diphenylhydrazine	ND	4.8	1.5	ug/L	1	05/06/23	KCA	SW8270D	
1,3-Dichlorobenzene	ND	0.95	0.95	ug/L	1	05/06/23	KCA	SW8270D	
1,4-Dichlorobenzene	ND	0.95	0.95	ug/L	1	05/06/23	KCA	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	4.8	1.3	ug/L	1	05/06/23	KCA	SW8270D	1
2,4,5-Trichlorophenol	ND	0.95	0.95	ug/L	1	05/06/23	KCA	SW8270D	
2,4,6-Trichlorophenol	ND	0.95	0.95	ug/L	1	05/06/23	KCA	SW8270D	
2,4-Dichlorophenol	ND	0.95	0.95	ug/L	1	05/06/23	KCA	SW8270D	
2,4-Dimethylphenol	ND	0.95	0.95	ug/L	1	05/06/23	KCA	SW8270D	
2,4-Dinitrophenol	ND	0.95	0.95	ug/L	1	05/06/23	KCA	SW8270D	
2,4-Dinitrotoluene	ND	4.8	1.9	ug/L	1	05/06/23	KCA	SW8270D	
2,6-Dinitrotoluene	ND	4.8	1.5	ug/L	1	05/06/23	KCA	SW8270D	
2-Chloronaphthalene	ND	4.8	1.3	ug/L	1	05/06/23	KCA	SW8270D	
2-Chlorophenol	ND	0.95	0.95	ug/L	1	05/06/23	KCA	SW8270D	
2-Methylnaphthalene	ND	4.8	1.4	ug/L	1	05/06/23	KCA	SW8270D	
2-Methylphenol (o-cresol)	ND	0.95	0.95	ug/L	1	05/06/23	KCA	SW8270D	
2-Nitroaniline	ND	4.8	1.9	ug/L	1	05/06/23	KCA	SW8270D	
2-Nitrophenol	ND	0.95	0.95	ug/L	1	05/06/23	KCA	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	0.95	0.95	ug/L	1	05/06/23	KCA	SW8270D	
3,3'-Dichlorobenzidine	ND	4.8	2.2	ug/L	1	05/06/23	KCA	SW8270D	
3-Nitroaniline	ND	4.8	1.9	ug/L	1	05/06/23	KCA	SW8270D	
4,6-Dinitro-2-methylphenol	ND	0.95	0.95	ug/L	1	05/06/23	KCA	SW8270D	
4-Bromophenyl phenyl ether	ND	4.8	1.4	ug/L	1	05/06/23	KCA	SW8270D	
4-Chloro-3-methylphenol	ND	0.95	0.95	ug/L	1	05/06/23	KCA	SW8270D	
4-Chloroaniline	ND	3.3	2.2	ug/L	1	05/06/23	KCA	SW8270D	
4-Chlorophenyl phenyl ether	ND	4.8	1.6	ug/L	1	05/06/23	KCA	SW8270D	
4-Nitroaniline	ND	4.8	1.6	ug/L	1	05/06/23	KCA	SW8270D	
4-Nitrophenol	ND	0.95	0.95	ug/L	1	05/06/23	KCA	SW8270D	
Acenaphthene	ND	4.8	1.4	ug/L	1	05/06/23	KCA	SW8270D	

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: MW3

Phoenix I.D.: CN95061

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetophenone	ND	4.8	1.5	ug/L	1	05/06/23	KCA	SW8270D	
Aniline	ND	3.3	3.3	ug/L	1	05/06/23	KCA	SW8270D	
Anthracene	ND	4.8	1.6	ug/L	1	05/06/23	KCA	SW8270D	
Benzidine	ND	4.3	2.8	ug/L	1	05/06/23	KCA	SW8270D	
Benzoic acid	ND	24	9.5	ug/L	1	05/06/23	KCA	SW8270D	
Benzyl butyl phthalate	ND	4.8	1.2	ug/L	1	05/06/23	KCA	SW8270D	
Bis(2-chloroethoxy)methane	ND	4.8	1.3	ug/L	1	05/06/23	KCA	SW8270D	
Bis(2-chloroethyl)ether	ND	0.95	0.95	ug/L	1	05/06/23	KCA	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	0.95	0.95	ug/L	1	05/06/23	KCA	SW8270D	
Carbazole	ND	4.8	3.6	ug/L	1	05/06/23	KCA	SW8270D	
Dibenzofuran	ND	4.8	1.4	ug/L	1	05/06/23	KCA	SW8270D	
Diethyl phthalate	ND	4.8	1.5	ug/L	1	05/06/23	KCA	SW8270D	
Dimethylphthalate	ND	4.8	1.5	ug/L	1	05/06/23	KCA	SW8270D	
Di-n-butylphthalate	ND	4.8	1.3	ug/L	1	05/06/23	KCA	SW8270D	
Di-n-octylphthalate	ND	4.8	1.2	ug/L	1	05/06/23	KCA	SW8270D	
Fluoranthene	ND	4.8	1.5	ug/L	1	05/06/23	KCA	SW8270D	
Fluorene	ND	4.8	1.6	ug/L	1	05/06/23	KCA	SW8270D	
Hexachloroethane	ND	0.95	0.95	ug/L	1	05/06/23	KCA	SW8270D	
Isophorone	ND	4.8	1.3	ug/L	1	05/06/23	KCA	SW8270D	
Naphthalene	ND	4.8	1.4	ug/L	1	05/06/23	KCA	SW8270D	
N-Nitrosodi-n-propylamine	ND	4.8	1.5	ug/L	1	05/06/23	KCA	SW8270D	
N-Nitrosodiphenylamine	ND	4.8	1.8	ug/L	1	05/06/23	KCA	SW8270D	
Pentachloronitrobenzene	ND	2.4	2.4	ug/L	1	05/06/23	KCA	SW8270D	
Phenol	ND	0.95	0.95	ug/L	1	05/06/23	KCA	SW8270D	
Pyrene	ND	4.8	1.6	ug/L	1	05/06/23	KCA	SW8270D	
Pyridine	ND	9.5	1.2	ug/L	1	05/06/23	KCA	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	51			%	1	05/06/23	KCA	15 - 110 %	
% 2-Fluorobiphenyl	49			%	1	05/06/23	KCA	30 - 130 %	
% 2-Fluorophenol	33			%	1	05/06/23	KCA	15 - 110 %	
% Nitrobenzene-d5	53			%	1	05/06/23	KCA	30 - 130 %	
% Phenol-d5	<10			%	1	05/06/23	KCA	15 - 110 %	3
% Terphenyl-d14	15			%	1	05/06/23	KCA	30 - 130 %	3
Semivolatiles									
Acenaphthylene	ND	0.48	0.48	ug/L	1	05/05/23	KCA	SW8270D (SIM)	
Benz(a)anthracene	0.09	0.02	0.02	ug/L	1	05/05/23	KCA	SW8270D (SIM)	
Benzo(a)pyrene	0.03	0.02	0.02	ug/L	1	05/05/23	KCA	SW8270D (SIM)	
Benzo(b)fluoranthene	0.05	0.02	0.02	ug/L	1	05/05/23	KCA	SW8270D (SIM)	
Benzo(ghi)perylene	ND	0.48	0.48	ug/L	1	05/05/23	KCA	SW8270D (SIM)	
Benzo(k)fluoranthene	0.03	0.02	0.02	ug/L	1	05/05/23	KCA	SW8270D (SIM)	
Chrysene	0.06	0.02	0.02	ug/L	1	05/05/23	KCA	SW8270D (SIM)	
Dibenz(a,h)anthracene	ND	0.48	0.48	ug/L	1	05/05/23	KCA	SW8270D (SIM)	
Hexachlorobenzene	ND	0.04	0.04	ug/L	1	05/05/23	KCA	SW8270D (SIM)	
Hexachlorobutadiene	ND	0.48	0.48	ug/L	1	05/05/23	KCA	SW8270D (SIM)	
Hexachlorocyclopentadiene	ND	0.48	0.48	ug/L	1	05/05/23	KCA	SW8270D (SIM)	
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	1	05/05/23	KCA	SW8270D (SIM)	
Nitrobenzene	ND	0.38	0.38	ug/L	1	05/05/23	KCA	SW8270D (SIM)	
N-Nitrosodimethylamine	ND	0.10	0.10	ug/L	1	05/05/23	KCA	SW8270D (SIM)	
Pentachlorophenol	ND	0.48	0.48	ug/L	1	05/05/23	KCA	SW8270D (SIM)	

Ver 1

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: MW3

Phoenix I.D.: CN95061

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Phenanthrene	ND	0.48	0.48	ug/L	1	05/05/23	KCA	SW8270D (SIM)	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	67			%	1	05/05/23	KCA	15 - 110 %	
% 2-Fluorobiphenyl	45			%	1	05/05/23	KCA	30 - 130 %	
% 2-Fluorophenol	33			%	1	05/05/23	KCA	15 - 110 %	
% Nitrobenzene-d5	48			%	1	05/05/23	KCA	30 - 130 %	
% Phenol-d5	<10			%	1	05/05/23	KCA	15 - 110 %	3
% Terphenyl-d14	16			%	1	05/05/23	KCA	30 - 130 %	3

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.

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
May 09, 2023
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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

May 09, 2023

QA/QC Data

SDG I.D.: GCN95059

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 675949 (ug/L), QC Sample No: CN94842 (CN95059, CN95060, CN95061)											
Semivolatiles - Ground Water											
1,2,4,5-Tetrachlorobenzene	ND	3.5	63	73	14.7				40 - 140	20	
1,2,4-Trichlorobenzene	ND	3.5	50	65	26.1				40 - 140	20	r
1,2-Dichlorobenzene	ND	1.0	75	62	19.0				40 - 140	20	
1,2-Diphenylhydrazine	ND	1.6	77	81	5.1				40 - 140	20	
1,3-Dichlorobenzene	ND	1.0	72	60	18.2				40 - 140	20	
1,4-Dichlorobenzene	ND	1.0	73	61	17.9				40 - 140	20	
2,2'-Oxybis(1-Chloropropane)	ND	1.0	81	68	17.4				40 - 140	20	
2,4,5-Trichlorophenol	ND	1.0	91	96	5.3				40 - 140	20	
2,4,6-Trichlorophenol	ND	1.0	91	100	9.4				30 - 130	20	
2,4-Dichlorophenol	ND	1.0	72	82	13.0				30 - 130	20	
2,4-Dimethylphenol	ND	1.0	71	83	15.6				30 - 130	20	
2,4-Dinitrophenol	ND	1.0	108	95	12.8				30 - 130	20	
2,4-Dinitrotoluene	ND	3.5	92	94	2.2				30 - 130	20	
2,6-Dinitrotoluene	ND	3.5	85	89	4.6				40 - 140	20	
2-Chloronaphthalene	ND	3.5	71	81	13.2				40 - 140	20	
2-Chlorophenol	ND	1.0	81	67	18.9				30 - 130	20	
2-Methylnaphthalene	ND	3.5	67	77	13.9				40 - 140	20	
2-Methylphenol (o-cresol)	ND	1.0	50	42	17.4				40 - 140	20	
2-Nitroaniline	ND	3.5	114	117	2.6				40 - 140	20	
2-Nitrophenol	ND	1.0	72	91	23.3				40 - 140	20	r
3&4-Methylphenol (m&p-cresol)	ND	1.0	65	82	23.1				30 - 130	20	r
3,3'-Dichlorobenzidine	ND	5.0	55	69	22.6				40 - 140	20	r
3-Nitroaniline	ND	5.0	105	117	10.8				40 - 140	20	
4,6-Dinitro-2-methylphenol	ND	1.0	102	88	14.7				30 - 130	20	
4-Bromophenyl phenyl ether	ND	3.5	86	90	4.5				40 - 140	20	
4-Chloro-3-methylphenol	ND	1.0	91	94	3.2				30 - 130	20	
4-Chloroaniline	ND	3.5	51	53	3.8				40 - 140	20	
4-Chlorophenyl phenyl ether	ND	1.0	83	88	5.8				40 - 140	20	
4-Nitroaniline	ND	5.0	83	89	7.0				40 - 140	20	
4-Nitrophenol	ND	1.0	94	88	6.6				30 - 130	20	
Acenaphthene	ND	1.5	79	86	8.5				30 - 130	20	
Acetophenone	ND	3.5	54	71	27.2				40 - 140	20	r
Aniline	ND	3.5	<10	<10	NC				40 - 140	20	l
Anthracene	ND	1.5	90	92	2.2				40 - 140	20	
Benzidine	ND	4.5	<10	<10	NC				40 - 140	20	l
Benzoic acid	ND	10	94	74	23.8				30 - 130	20	r
Benzyl butyl phthalate	ND	1.5	95	91	4.3				40 - 140	20	
Bis(2-chloroethoxy)methane	ND	3.5	62	76	20.3				40 - 140	20	
Bis(2-chloroethyl)ether	ND	1.0	78	65	18.2				40 - 140	20	
Bis(2-ethylhexyl)phthalate	ND	1.5	94	91	3.2				40 - 140	20	
Carbazole	ND	5.0	93	94	1.1				40 - 140	20	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Dibenzofuran	ND	3.5	78	86	9.8				40 - 140	20	
Diethyl phthalate	ND	1.5	92	94	2.2				40 - 140	20	
Dimethylphthalate	ND	1.5	86	89	3.4				40 - 140	20	
Di-n-butylphthalate	ND	1.5	102	100	2.0				40 - 140	20	
Di-n-octylphthalate	ND	1.5	96	92	4.3				40 - 140	20	
Fluoranthene	ND	1.5	99	99	0.0				40 - 140	20	
Fluorene	ND	1.5	86	90	4.5				40 - 140	20	
Hexachloroethane	ND	3.5	72	60	18.2				40 - 140	20	
Isophorone	ND	3.5	66	73	10.1				40 - 140	20	
Naphthalene	ND	1.5	56	70	22.2				40 - 140	20	r
N-Nitrosodi-n-propylamine	ND	3.5	64	78	19.7				40 - 140	20	
N-Nitrosodiphenylamine	ND	3.5	80	83	3.7				40 - 140	20	
Pentachloronitrobenzene	ND	5.0	95	98	3.1				40 - 140	20	
Phenol	ND	1.0	77	65	16.9				30 - 130	20	
Pyrene	ND	1.5	98	99	1.0				30 - 130	20	
Pyridine	ND	5.0	21	17	21.1				40 - 140	20	l,r
% 2,4,6-Tribromophenol	56	%	99	99	0.0				15 - 110	20	
% 2-Fluorobiphenyl	53	%	68	78	13.7				30 - 130	20	
% 2-Fluorophenol	48	%	62	52	17.5				15 - 110	20	
% Nitrobenzene-d5	50	%	87	73	17.5				30 - 130	20	
% Phenol-d5	49	%	74	62	17.6				15 - 110	20	
% Terphenyl-d14	62	%	93	90	3.3				30 - 130	20	

Comment:

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

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 675949 (ug/L), QC Sample No: CN94842 (CN95059, CN95060, CN95061)

Semivolatiles (SIM) - Ground Water

Acenaphthylene	ND	0.50	70	68	2.9				30 - 130	20	
Benz(a)anthracene	ND	0.50	96	82	15.7				30 - 130	20	
Benzo(a)pyrene	ND	0.50	98	86	13.0				30 - 130	20	
Benzo(b)fluoranthene	ND	0.50	97	85	13.2				30 - 130	20	
Benzo(ghi)perylene	ND	0.50	98	83	16.6				30 - 130	20	
Benzo(k)fluoranthene	ND	0.50	101	84	18.4				30 - 130	20	
Chrysene	ND	0.50	95	82	14.7				30 - 130	20	
Dibenz(a,h)anthracene	ND	0.50	100	83	18.6				30 - 130	20	
Hexachlorobenzene	ND	0.50	85	72	16.6				30 - 130	20	
Hexachlorobutadiene	ND	0.50	48	57	17.1				30 - 130	20	
Hexachlorocyclopentadiene	ND	0.50	31	26	17.5				30 - 130	20	l
Indeno(1,2,3-cd)pyrene	ND	0.50	96	80	18.2				30 - 130	20	
Nitrobenzene	ND	0.50	51	58	12.8				30 - 130	20	
N-Nitrosodimethylamine	ND	0.05	68	57	17.6				30 - 130	20	
Pentachlorophenol	ND	0.50	97	80	19.2				30 - 130	20	
Phenanthrene	ND	0.50	98	85	14.2				30 - 130	20	
% 2,4,6-Tribromophenol	62	%	108	90	18.2				15 - 110	20	
% 2-Fluorobiphenyl	52	%	75	63	17.4				30 - 130	20	
% 2-Fluorophenol	49	%	56	47	17.5				15 - 110	20	
% Nitrobenzene-d5	56	%	79	66	17.9				30 - 130	20	
% Phenol-d5	61	%	77	64	18.4				15 - 110	20	
% Terphenyl-d14	65	%	90	75	18.2				30 - 130	20	

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

Comment:

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

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 675684 (ug/L), QC Sample No: CN95048 (CN95059, CN95060, CN95061)

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	1.0	103	101	2.0				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	102	99	3.0				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	101	101	0.0				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	103	102	1.0				70 - 130	30
1,1-Dichloroethane	ND	1.0	104	101	2.9				70 - 130	30
1,1-Dichloroethene	ND	1.0	103	98	5.0				70 - 130	30
1,1-Dichloropropene	ND	1.0	103	102	1.0				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	109	109	0.0				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	101	103	2.0				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	108	107	0.9				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	109	107	1.9				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	107	105	1.9				70 - 130	30
1,2-Dibromoethane	ND	1.0	103	102	1.0				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	102	101	1.0				70 - 130	30
1,2-Dichloroethane	ND	1.0	93	94	1.1				70 - 130	30
1,2-Dichloropropane	ND	1.0	104	101	2.9				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	109	107	1.9				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	106	105	0.9				70 - 130	30
1,3-Dichloropropane	ND	1.0	104	101	2.9				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	101	101	0.0				70 - 130	30
1,4-dioxane	ND	100	95	95	0.0				70 - 130	30
2,2-Dichloropropane	ND	1.0	104	97	7.0				70 - 130	30
2-Chlorotoluene	ND	1.0	110	108	1.8				70 - 130	30
2-Hexanone	ND	5.0	96	93	3.2				70 - 130	30
2-Isopropyltoluene	ND	1.0	105	104	1.0				70 - 130	30
4-Chlorotoluene	ND	1.0	108	104	3.8				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	95	94	1.1				70 - 130	30
Acetone	ND	5.0	95	98	3.1				70 - 130	30
Acrolein	ND	5.0	98	99	1.0				70 - 130	30
Acrylonitrile	ND	5.0	92	94	2.2				70 - 130	30
Benzene	ND	0.70	106	104	1.9				70 - 130	30
Bromobenzene	ND	1.0	106	107	0.9				70 - 130	30
Bromochloromethane	ND	1.0	105	99	5.9				70 - 130	30
Bromodichloromethane	ND	0.50	99	98	1.0				70 - 130	30
Bromoform	ND	1.0	100	97	3.0				70 - 130	30
Bromomethane	ND	1.0	90	88	2.2				70 - 130	30
Carbon Disulfide	ND	1.0	98	95	3.1				70 - 130	30
Carbon tetrachloride	ND	1.0	112	109	2.7				70 - 130	30
Chlorobenzene	ND	1.0	103	101	2.0				70 - 130	30
Chloroethane	ND	1.0	113	109	3.6				70 - 130	30
Chloroform	ND	1.0	104	100	3.9				70 - 130	30
Chloromethane	ND	1.0	106	102	3.8				70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	110	107	2.8				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	108	106	1.9				70 - 130	30
Dibromochloromethane	ND	0.50	101	97	4.0				70 - 130	30
Dibromomethane	ND	1.0	100	99	1.0				70 - 130	30

QA/QC Data

SDG I.D.: GCN95059

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Dichlorodifluoromethane	ND	1.0	95	94	1.1				70 - 130	30
Ethylbenzene	ND	1.0	107	104	2.8				70 - 130	30
Hexachlorobutadiene	ND	0.40	102	100	2.0				70 - 130	30
Isopropylbenzene	ND	1.0	110	109	0.9				70 - 130	30
m&p-Xylene	ND	1.0	106	104	1.9				70 - 130	30
Methyl ethyl ketone	ND	5.0	96	93	3.2				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	104	102	1.9				70 - 130	30
Methylene chloride	ND	1.0	102	99	3.0				70 - 130	30
Naphthalene	ND	1.0	115	115	0.0				70 - 130	30
n-Butylbenzene	ND	1.0	109	105	3.7				70 - 130	30
n-Propylbenzene	ND	1.0	106	105	0.9				70 - 130	30
o-Xylene	ND	1.0	108	105	2.8				70 - 130	30
p-Isopropyltoluene	ND	1.0	110	108	1.8				70 - 130	30
sec-Butylbenzene	ND	1.0	110	107	2.8				70 - 130	30
Styrene	ND	1.0	111	108	2.7				70 - 130	30
tert-butyl alcohol	ND	10	95	97	2.1				70 - 130	30
tert-Butylbenzene	ND	1.0	109	108	0.9				70 - 130	30
Tetrachloroethene	ND	1.0	101	98	3.0				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	99	97	2.0				70 - 130	30
Toluene	ND	1.0	107	103	3.8				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	107	104	2.8				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	105	104	1.0				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	113	111	1.8				70 - 130	30
Trichloroethene	ND	1.0	100	99	1.0				70 - 130	30
Trichlorofluoromethane	ND	1.0	94	93	1.1				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	91	88	3.4				70 - 130	30
Vinyl chloride	ND	1.0	110	106	3.7				70 - 130	30
% 1,2-dichlorobenzene-d4	101	%	100	101	1.0				70 - 130	30
% Bromofluorobenzene	95	%	98	97	1.0				70 - 130	30
% Dibromofluoromethane	101	%	104	103	1.0				70 - 130	30
% Toluene-d8	99	%	100	100	0.0				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%, 25-160% for Chloroethane-HL and Trichlorofluoromethane-HL.

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

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

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

Phyllis Shiller, Laboratory Director
May 09, 2023

Tuesday, May 09, 2023

Criteria: NY: 375GWP, GW

State: NY

Sample Criteria Exceedances Report

GCN95059 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CN95059	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CN95059	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CN95059	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CN95059	$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	2.3	0.02	0.002	0.002	ug/L
CN95059	$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	2.0	0.02	0.002	0.002	ug/L
CN95059	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	1.1	0.02	0.002	0.002	ug/L
CN95059	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	1.5	0.02	0.002	0.002	ug/L
CN95059	$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	2.2	0.02	0.002	0.002	ug/L
CN95059	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	1.4	0.02	0.002	0.002	ug/L
CN95059	$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	2.0	0.02	0.002	0.002	ug/L
CN95059	$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	2.2	0.02	0.002	0.002	ug/L
CN95059	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	1.1	0.02	0.002	0.002	ug/L
CN95059	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	1.4	0.02	0.002	0.002	ug/L
CN95059	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	1.5	0.02	0.002	0.002	ug/L
CN95060	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CN95060	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CN95060	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CN95060	$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	5.0	0.02	0.002	0.002	ug/L
CN95060	$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	5.0	0.02	0.002	0.002	ug/L
CN95060	$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	4.0	0.02	0.002	0.002	ug/L
CN95060	$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	4.0	0.02	0.002	0.002	ug/L
CN95060	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	3.0	0.02	0.002	0.002	ug/L
CN95060	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	3.0	0.02	0.002	0.002	ug/L
CN95060	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	3.4	0.02	0.002	0.002	ug/L
CN95060	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	3.4	0.02	0.002	0.002	ug/L
CN95060	$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	4.7	0.02	0.002	0.002	ug/L
CN95060	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	2.3	0.02	0.002	0.002	ug/L
CN95060	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	2.3	0.02	0.002	0.002	ug/L
CN95061	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CN95061	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CN95061	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CN95061	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CN95061	$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.06	0.02	0.002	0.002	ug/L
CN95061	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002	ug/L
CN95061	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.05	0.02	0.002	0.002	ug/L
CN95061	$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002	ug/L
CN95061	$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.09	0.02	0.002	0.002	ug/L
CN95061	$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.09	0.02	0.002	0.002	ug/L
CN95061	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.05	0.02	0.002	0.002	ug/L
CN95061	$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.06	0.02	0.002	0.002	ug/L

Tuesday, May 09, 2023

Criteria: NY: 375GWP, GW

State: NY

Sample Criteria Exceedances Report

GCN95059 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CN95061	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CN95061	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.03	0.02	0.002	0.002	ug/L

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

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

NY # 11301

Analysis Comments

May 09, 2023 SDG I.D.: GCN95059

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

VOA Narration

CHEM23 05/01/23-2: CN95059, CN95060, CN95061

The following Initial Calibration compounds did not meet RSD% criteria: 1,2-Dibromo-3-chloropropane 22% (20%), Chloroethane 27% (20%), Naphthalene 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 0.093 (0.1)
The following Initial Calibration compounds did not meet minimum response factors: None.

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

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

May 09, 2023

SDG I.D.: GCN95059

The samples in this delivery group were received at 1.8°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Cooler: Yes [ ] No [ ]
Coolant: IPK [ ] ICE [ ] No [ ]
Temp 18 °C Pg 1 of 1

PHOENIX
Environmental Laboratories, Inc.

NY/NJ/PA 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:
[ ] Phone:
[ ] Fax:
[x] Email: File

Customer: Brussee Environmental Corp
Address: 141 Evans Lane Miller Place NY
Project: 172 Third Avenue Brooklyn
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: Thomas Gallo Date: 5-1

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							GL Amber 8 oz. w/H3PO4	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [x] HCl	GL Amber 1000ml [x] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL NaOH 250ml	PL HNO3 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
RA 94492	MW1	GW	5-1	12:00	X	X				95059						3	1							
94493	MW2	GW	5-1	11:00	X	X				95060						3	1							
94494	MW3	GW	5-1	10:00	X	X				95061						3	1							

Relinquished by:	Accepted by:	Date:	Time:
		5/1/23	1439
		5/1/23	1558
		5/1/23	18:20

Comments, Special Requirements or Regulations:
7-Day TAT
Compare to NY375 GWP

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

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

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

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
[ ] 375SCC 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

PHOENIX
Environmental Laboratories, Inc.

Thursday, May 11, 2023

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

Project ID: 172 THIRD AVENUE BROOKLYN
SDG ID: GCN95050
Sample ID#s: CN95050 - CN95055

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
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

May 11, 2023

SDG I.D.: GCN95050

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

May 11, 2023

SDG I.D.: GCN95050

Project ID: 172 THIRD AVENUE BROOKLYN

Client Id	Lab Id	Matrix
SB1 (11-13`)	CN95050	SOIL
SB2 (6-8`)	CN95051	SOIL
SB3 (3-5`)	CN95052	SOIL
SB4 (0-2`)	CN95053	SOIL
SB5 (3-5`)	CN95054	SOIL
SB6 (1-3`)	CN95055	SOIL

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

May 11, 2023

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:	TG	05/01/23	10:00
Location Code:	BRUSSEE	Received by:	CP	05/01/23	18:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN95050
Phoenix ID: CN95050

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: SB1 (11-13`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	0.50	0.43		mg/Kg	1	05/05/23	IE	SW6010D	
Aluminum	5210	43		mg/Kg	10	05/05/23	IE	SW6010D	
Arsenic	31.1	0.87		mg/Kg	1	05/05/23	IE	SW6010D	
Barium	238	0.9		mg/Kg	1	05/05/23	IE	SW6010D	
Beryllium	0.41	0.35		mg/Kg	1	05/05/23	IE	SW6010D	
Calcium	7420	4.3		mg/Kg	1	05/05/23	IE	SW6010D	
Cadmium	2.05	0.43		mg/Kg	1	05/05/23	IE	SW6010D	
Cobalt	10.6	0.43		mg/Kg	1	05/05/23	IE	SW6010D	
Chromium	11.7	0.43		mg/Kg	1	05/05/23	IE	SW6010D	
Copper	75.8	0.9		mg/kg	1	05/05/23	IE	SW6010D	
Iron	20200	43		mg/Kg	10	05/05/23	IE	SW6010D	
Mercury	0.58	0.03		mg/Kg	2	05/02/23	AL1	SW7471B	
Potassium	652	9		mg/Kg	1	05/05/23	IE	SW6010D	
Magnesium	993	4.3		mg/Kg	1	05/05/23	IE	SW6010D	
Manganese	124	4.3		mg/Kg	10	05/05/23	IE	SW6010D	
Sodium	401	9		mg/Kg	1	05/05/23	IE	SW6010D	
Nickel	24.5	0.43		mg/Kg	1	05/05/23	IE	SW6010D	
Lead	1540	8.7		mg/Kg	10	05/05/23	IE	SW6010D	
Antimony	< 4.3	4.3		mg/Kg	1	05/05/23	IE	SW6010D	
Selenium	31.6	1.7		mg/Kg	1	05/05/23	TH	SW6010D	
Thallium	< 1.7	1.7		mg/Kg	1	05/05/23	IE	SW6010D	
Vanadium	24.6	0.43		mg/Kg	1	05/05/23	IE	SW6010D	
Zinc	274	8.7		mg/Kg	10	05/05/23	IE	SW6010D	
Percent Solid	81			%		05/01/23	CV	SW846-%Solid	
Field Extraction	Completed					05/01/23		SW5035A	1
Mercury Digestion	Completed					05/02/23	/D	SW7471B	
Soil Extraction for SVOA	Completed					05/05/23	MO/R/P	SW3546	

Ver 1

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: SB1 (11-13`)

Phoenix I.D.: CN95050

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Total Metals Digest	Completed						05/02/23	L/AG	SW3050B	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		4.8	0.95	ug/Kg	1	05/05/23	HM	SW8260C	
1,1,1-Trichloroethane	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C	
1,1,2,2-Tetrachloroethane	ND		4.8	0.95	ug/Kg	1	05/05/23	HM	SW8260C	
1,1,2-Trichloroethane	ND		4.8	0.95	ug/Kg	1	05/05/23	HM	SW8260C	
1,1-Dichloroethane	ND		4.8	0.95	ug/Kg	1	05/05/23	HM	SW8260C	
1,1-Dichloroethene	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C	
1,1-Dichloropropene	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C	
1,2,3-Trichlorobenzene	ND		4.8	0.95	ug/Kg	1	05/05/23	HM	SW8260C	
1,2,3-Trichloropropane	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C	
1,2,4-Trichlorobenzene	ND		4.8	0.95	ug/Kg	1	05/05/23	HM	SW8260C	
1,2,4-Trimethylbenzene	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND		4.8	0.95	ug/Kg	1	05/05/23	HM	SW8260C	
1,2-Dibromoethane	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C	
1,2-Dichlorobenzene	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C	
1,2-Dichloroethane	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C	
1,2-Dichloropropane	ND		4.8	0.95	ug/Kg	1	05/05/23	HM	SW8260C	
1,3,5-Trimethylbenzene	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C	
1,3-Dichlorobenzene	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C	
1,3-Dichloropropane	ND		4.8	0.95	ug/Kg	1	05/05/23	HM	SW8260C	
1,4-Dichlorobenzene	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C	
2,2-Dichloropropane	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C	
2-Chlorotoluene	ND		4.8	0.95	ug/Kg	1	05/05/23	HM	SW8260C	
2-Hexanone	ND		24	4.8	ug/Kg	1	05/05/23	HM	SW8260C	
2-Isopropyltoluene	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C	1
4-Chlorotoluene	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C	
4-Methyl-2-pentanone	ND		24	4.8	ug/Kg	1	05/05/23	HM	SW8260C	
Acetone	31	S	24	4.8	ug/Kg	1	05/05/23	HM	SW8260C	
Acrylonitrile	ND		9.5	0.95	ug/Kg	1	05/05/23	HM	SW8260C	
Benzene	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C	
Bromobenzene	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C	
Bromochloromethane	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C	
Bromodichloromethane	ND		4.8	0.95	ug/Kg	1	05/05/23	HM	SW8260C	
Bromoform	ND		4.8	0.95	ug/Kg	1	05/05/23	HM	SW8260C	
Bromomethane	ND		4.8	1.9	ug/Kg	1	05/05/23	HM	SW8260C	
Carbon Disulfide	0.99	J	4.8	0.95	ug/Kg	1	05/05/23	HM	SW8260C	
Carbon tetrachloride	ND		4.8	0.95	ug/Kg	1	05/05/23	HM	SW8260C	
Chlorobenzene	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C	
Chloroethane	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C	
Chloroform	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C	
Chloromethane	ND		4.8	0.95	ug/Kg	1	05/05/23	HM	SW8260C	
cis-1,2-Dichloroethene	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C	
cis-1,3-Dichloropropene	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C	
Dibromochloromethane	ND		4.8	0.95	ug/Kg	1	05/05/23	HM	SW8260C	
Dibromomethane	ND		4.8	0.95	ug/Kg	1	05/05/23	HM	SW8260C	
Dichlorodifluoromethane	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C	
Ethylbenzene	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C	
Hexachlorobutadiene	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C	

Ver 1

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: SB1 (11-13`)

Phoenix I.D.: CN95050

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Isopropylbenzene	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C
m&p-Xylene	ND		4.8	0.95	ug/Kg	1	05/05/23	HM	SW8260C
Methyl Ethyl Ketone	8.8	J	29	4.8	ug/Kg	1	05/05/23	HM	SW8260C
Methyl t-butyl ether (MTBE)	ND		9.5	0.95	ug/Kg	1	05/05/23	HM	SW8260C
Methylene chloride	ND		4.8	4.8	ug/Kg	1	05/05/23	HM	SW8260C
Naphthalene	ND		4.8	0.95	ug/Kg	1	05/05/23	HM	SW8260C
n-Butylbenzene	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C
n-Propylbenzene	ND		4.8	0.95	ug/Kg	1	05/05/23	HM	SW8260C
o-Xylene	ND		4.8	0.95	ug/Kg	1	05/05/23	HM	SW8260C
p-Isopropyltoluene	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C
sec-Butylbenzene	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C
Styrene	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C
tert-Butylbenzene	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C
Tetrachloroethene	ND		4.8	0.95	ug/Kg	1	05/05/23	HM	SW8260C
Tetrahydrofuran (THF)	4.1	J	9.5	2.4	ug/Kg	1	05/05/23	HM	SW8260C
Toluene	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C
trans-1,2-Dichloroethene	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C
trans-1,3-Dichloropropene	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C
trans-1,4-dichloro-2-butene	ND		9.5	2.4	ug/Kg	1	05/05/23	HM	SW8260C
Trichloroethene	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C
Trichlorofluoromethane	ND		4.8	0.95	ug/Kg	1	05/05/23	HM	SW8260C
Trichlorotrifluoroethane	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C
Vinyl chloride	ND		4.8	0.48	ug/Kg	1	05/05/23	HM	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	96				%	1	05/05/23	HM	70 - 130 %
% Bromofluorobenzene	86				%	1	05/05/23	HM	70 - 130 %
% Dibromofluoromethane	98				%	1	05/05/23	HM	70 - 130 %
% Toluene-d8	94				%	1	05/05/23	HM	70 - 130 %
1,4-dioxane									
1,4-dioxane	ND		71		ug/kg	1	05/05/23	HM	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	96				%	1	05/05/23	HM	70 - 130 %
% Bromofluorobenzene	86				%	1	05/05/23	HM	70 - 130 %
% Dibromofluoromethane	98				%	1	05/05/23	HM	70 - 130 %
% Toluene-d8	94				%	1	05/05/23	HM	70 - 130 %
Volatiles									
1,1,1,2-Tetrachloroethane	ND		19		ug/Kg	1	05/05/23	HM	SW8260C
Acrolein	ND		4.8		ug/Kg	1	05/05/23	HM	SW8260C
Acrylonitrile	ND		19		ug/Kg	1	05/05/23	HM	SW8260C
Tert-butyl alcohol	ND		95		ug/Kg	1	05/05/23	HM	SW8260C
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND		290	140	ug/Kg	1	05/06/23	KCA	SW8270D
1,2,4-Trichlorobenzene	ND		290	120	ug/Kg	1	05/06/23	KCA	SW8270D
1,2-Dichlorobenzene	ND		290	110	ug/Kg	1	05/06/23	KCA	SW8270D
1,2-Diphenylhydrazine	ND		290	130	ug/Kg	1	05/06/23	KCA	SW8270D
1,3-Dichlorobenzene	ND		290	120	ug/Kg	1	05/06/23	KCA	SW8270D
1,4-Dichlorobenzene	ND		290	120	ug/Kg	1	05/06/23	KCA	SW8270D

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: SB1 (11-13`)

Phoenix I.D.: CN95050

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,2'-Oxybis(1-Chloropropane)	ND		290	110	ug/Kg	1	05/06/23	KCA	SW8270D	1
2,4,5-Trichlorophenol	ND		290	220	ug/Kg	1	05/06/23	KCA	SW8270D	
2,4,6-Trichlorophenol	ND		200	130	ug/Kg	1	05/06/23	KCA	SW8270D	
2,4-Dichlorophenol	ND		200	140	ug/Kg	1	05/06/23	KCA	SW8270D	
2,4-Dimethylphenol	ND		290	100	ug/Kg	1	05/06/23	KCA	SW8270D	
2,4-Dinitrophenol	ND		290	290	ug/Kg	1	05/06/23	KCA	SW8270D	
2,4-Dinitrotoluene	ND		200	160	ug/Kg	1	05/06/23	KCA	SW8270D	
2,6-Dinitrotoluene	ND		200	130	ug/Kg	1	05/06/23	KCA	SW8270D	
2-Chloronaphthalene	ND		290	120	ug/Kg	1	05/06/23	KCA	SW8270D	
2-Chlorophenol	ND		290	120	ug/Kg	1	05/06/23	KCA	SW8270D	
2-Methylnaphthalene	390		290	120	ug/Kg	1	05/06/23	KCA	SW8270D	
2-Methylphenol (o-cresol)	ND		290	190	ug/Kg	1	05/06/23	KCA	SW8270D	
2-Nitroaniline	ND		290	290	ug/Kg	1	05/06/23	KCA	SW8270D	
2-Nitrophenol	ND		290	260	ug/Kg	1	05/06/23	KCA	SW8270D	
3&4-Methylphenol (m&p-cresol)	280	J	290	160	ug/Kg	1	05/06/23	KCA	SW8270D	1
3,3'-Dichlorobenzidine	ND		200	190	ug/Kg	1	05/06/23	KCA	SW8270D	
3-Nitroaniline	ND		410	810	ug/Kg	1	05/06/23	KCA	SW8270D	
4,6-Dinitro-2-methylphenol	ND		240	81	ug/Kg	1	05/06/23	KCA	SW8270D	
4-Bromophenyl phenyl ether	ND		290	120	ug/Kg	1	05/06/23	KCA	SW8270D	
4-Chloro-3-methylphenol	ND		290	140	ug/Kg	1	05/06/23	KCA	SW8270D	
4-Chloroaniline	ND		330	190	ug/Kg	1	05/06/23	KCA	SW8270D	
4-Chlorophenyl phenyl ether	ND		290	140	ug/Kg	1	05/06/23	KCA	SW8270D	
4-Nitroaniline	ND		410	140	ug/Kg	1	05/06/23	KCA	SW8270D	
4-Nitrophenol	ND		410	180	ug/Kg	1	05/06/23	KCA	SW8270D	
Acenaphthene	780		290	120	ug/Kg	1	05/06/23	KCA	SW8270D	
Acenaphthylene	140	J	290	110	ug/Kg	1	05/06/23	KCA	SW8270D	
Acetophenone	ND		290	130	ug/Kg	1	05/06/23	KCA	SW8270D	
Aniline	ND		330	330	ug/Kg	1	05/06/23	KCA	SW8270D	
Anthracene	1100		290	130	ug/Kg	1	05/06/23	KCA	SW8270D	
Benz(a)anthracene	1800		290	140	ug/Kg	1	05/06/23	KCA	SW8270D	
Benzidine	ND		410	240	ug/Kg	1	05/06/23	KCA	SW8270D	
Benzo(a)pyrene	1800		200	130	ug/Kg	1	05/06/23	KCA	SW8270D	
Benzo(b)fluoranthene	2000		290	140	ug/Kg	1	05/06/23	KCA	SW8270D	
Benzo(ghi)perylene	790		290	130	ug/Kg	1	05/06/23	KCA	SW8270D	
Benzo(k)fluoranthene	730		290	140	ug/Kg	1	05/06/23	KCA	SW8270D	
Benzoic acid	ND		2000	810	ug/Kg	1	05/06/23	KCA	SW8270D	
Benzyl butyl phthalate	ND		290	110	ug/Kg	1	05/06/23	KCA	SW8270D	
Bis(2-chloroethoxy)methane	ND		290	110	ug/Kg	1	05/06/23	KCA	SW8270D	
Bis(2-chloroethyl)ether	ND		200	110	ug/Kg	1	05/06/23	KCA	SW8270D	
Bis(2-ethylhexyl)phthalate	ND		290	120	ug/Kg	1	05/06/23	KCA	SW8270D	
Carbazole	450		200	160	ug/Kg	1	05/06/23	KCA	SW8270D	
Chrysene	1700		290	140	ug/Kg	1	05/06/23	KCA	SW8270D	
Dibenz(a,h)anthracene	240		200	130	ug/Kg	1	05/06/23	KCA	SW8270D	
Dibenzofuran	600		290	120	ug/Kg	1	05/06/23	KCA	SW8270D	
Diethyl phthalate	ND		290	130	ug/Kg	1	05/06/23	KCA	SW8270D	
Dimethylphthalate	ND		290	130	ug/Kg	1	05/06/23	KCA	SW8270D	
Di-n-butylphthalate	ND		290	110	ug/Kg	1	05/06/23	KCA	SW8270D	
Di-n-octylphthalate	ND		290	110	ug/Kg	1	05/06/23	KCA	SW8270D	
Fluoranthene	4100		290	130	ug/Kg	1	05/06/23	KCA	SW8270D	

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: SB1 (11-13`)

Phoenix I.D.: CN95050

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Fluorene	810	290	130	ug/Kg	1	05/06/23	KCA	SW8270D	
Hexachlorobenzene	ND	200	120	ug/Kg	1	05/06/23	KCA	SW8270D	
Hexachlorobutadiene	ND	290	150	ug/Kg	1	05/06/23	KCA	SW8270D	
Hexachlorocyclopentadiene	ND	290	120	ug/Kg	1	05/06/23	KCA	SW8270D	
Hexachloroethane	ND	200	120	ug/Kg	1	05/06/23	KCA	SW8270D	
Indeno(1,2,3-cd)pyrene	940	290	140	ug/Kg	1	05/06/23	KCA	SW8270D	
Isophorone	ND	200	110	ug/Kg	1	05/06/23	KCA	SW8270D	
Naphthalene	960	290	120	ug/Kg	1	05/06/23	KCA	SW8270D	
Nitrobenzene	ND	200	140	ug/Kg	1	05/06/23	KCA	SW8270D	
N-Nitrosodimethylamine	ND	290	110	ug/Kg	1	05/06/23	KCA	SW8270D	
N-Nitrosodi-n-propylamine	ND	200	130	ug/Kg	1	05/06/23	KCA	SW8270D	
N-Nitrosodiphenylamine	ND	290	160	ug/Kg	1	05/06/23	KCA	SW8270D	
Pentachloronitrobenzene	ND	290	150	ug/Kg	1	05/06/23	KCA	SW8270D	
Pentachlorophenol	ND	240	150	ug/Kg	1	05/06/23	KCA	SW8270D	
Phenanthrene	3800	290	120	ug/Kg	1	05/06/23	KCA	SW8270D	
Phenol	ND	290	130	ug/Kg	1	05/06/23	KCA	SW8270D	
Pyrene	3400	290	140	ug/Kg	1	05/06/23	KCA	SW8270D	
Pyridine	ND	290	100	ug/Kg	1	05/06/23	KCA	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	30			%	1	05/06/23	KCA	30 - 130 %	
% 2-Fluorobiphenyl	41			%	1	05/06/23	KCA	30 - 130 %	
% 2-Fluorophenol	40			%	1	05/06/23	KCA	30 - 130 %	
% Nitrobenzene-d5	<10			%	1	05/06/23	KCA	30 - 130 %	3
% Phenol-d5	37			%	1	05/06/23	KCA	30 - 130 %	
% Terphenyl-d14	41			%	1	05/06/23	KCA	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:

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

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

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

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

May 11, 2023

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

May 11, 2023

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:	TG	05/01/23	11:50
Location Code:	BRUSSEE	Received by:	CP	05/01/23	18:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN95050
Phoenix ID: CN95051

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: SB2 (6-8`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.45	0.45		mg/Kg	1	05/04/23	IE	SW6010D	
Aluminum	4510	45		mg/Kg	10	05/04/23	IE	SW6010D	B
Arsenic	8.06	0.90		mg/Kg	1	05/04/23	IE	SW6010D	
Barium	188	0.9		mg/Kg	1	05/04/23	IE	SW6010D	
Beryllium	< 0.36	0.36		mg/Kg	1	05/04/23	IE	SW6010D	
Calcium	3060	4.5		mg/Kg	1	05/04/23	IE	SW6010D	
Cadmium	0.53	0.45		mg/Kg	1	05/04/23	IE	SW6010D	
Cobalt	5.59	0.45		mg/Kg	1	05/04/23	IE	SW6010D	
Chromium	9.68	0.45		mg/Kg	1	05/04/23	IE	SW6010D	
Copper	128	0.9		mg/kg	1	05/04/23	IE	SW6010D	
Iron	15400	45		mg/Kg	10	05/04/23	IE	SW6010D	
Mercury	0.85	0.03		mg/Kg	2	05/02/23	AL1	SW7471B	
Potassium	351	9		mg/Kg	1	05/04/23	IE	SW6010D	B
Magnesium	455	4.5		mg/Kg	1	05/04/23	IE	SW6010D	
Manganese	50.4	0.45		mg/Kg	1	05/04/23	IE	SW6010D	
Sodium	171	9		mg/Kg	1	05/04/23	IE	SW6010D	B
Nickel	13.6	0.45		mg/Kg	1	05/04/23	IE	SW6010D	
Lead	248	9.0		mg/Kg	10	05/04/23	IE	SW6010D	
Antimony	< 4.5	4.5		mg/Kg	1	05/04/23	IE	SW6010D	
Selenium	< 1.8	1.8		mg/Kg	1	05/04/23	IE	SW6010D	
Thallium	< 1.8	1.8		mg/Kg	1	05/04/23	IE	SW6010D	
Vanadium	17.1	0.45		mg/Kg	1	05/04/23	IE	SW6010D	
Zinc	84.9	0.9		mg/Kg	1	05/04/23	IE	SW6010D	
Percent Solid	79			%		05/01/23	CV	SW846-%Solid	
Field Extraction	Completed					05/01/23		SW5035A	1
Mercury Digestion	Completed					05/02/23	/D	SW7471B	
Soil Extraction for SVOA	Completed					05/08/23	B/M	SW3546	

Ver 1

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: SB2 (6-8`)

Phoenix I.D.: CN95051

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Total Metals Digest	Completed						05/02/23	L/AG	SW3050B	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		5.5	1.1	ug/Kg	1	05/05/23	HM	SW8260C	
1,1,1-Trichloroethane	1.2	J	5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C	
1,1,2,2-Tetrachloroethane	ND		5.5	1.1	ug/Kg	1	05/05/23	HM	SW8260C	
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	1	05/05/23	HM	SW8260C	
1,1-Dichloroethane	ND		5.5	1.1	ug/Kg	1	05/05/23	HM	SW8260C	
1,1-Dichloroethene	ND		5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C	
1,1-Dichloropropene	ND		5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C	
1,2,3-Trichlorobenzene	ND		5.5	1.1	ug/Kg	1	05/05/23	HM	SW8260C	
1,2,3-Trichloropropane	ND		5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C	
1,2,4-Trichlorobenzene	ND		5.5	1.1	ug/Kg	1	05/05/23	HM	SW8260C	
1,2,4-Trimethylbenzene	ND		5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND		5.5	1.1	ug/Kg	1	05/05/23	HM	SW8260C	
1,2-Dibromoethane	ND		5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C	
1,2-Dichlorobenzene	ND		5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C	
1,2-Dichloroethane	ND		5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C	
1,2-Dichloropropane	ND		5.5	1.1	ug/Kg	1	05/05/23	HM	SW8260C	
1,3,5-Trimethylbenzene	ND		5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C	
1,3-Dichlorobenzene	ND		5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C	
1,3-Dichloropropane	ND		5.5	1.1	ug/Kg	1	05/05/23	HM	SW8260C	
1,4-Dichlorobenzene	ND		5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C	
2,2-Dichloropropane	ND		5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C	
2-Chlorotoluene	ND		5.5	1.1	ug/Kg	1	05/05/23	HM	SW8260C	
2-Hexanone	ND		28	5.5	ug/Kg	1	05/05/23	HM	SW8260C	
2-Isopropyltoluene	ND		5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C	1
4-Chlorotoluene	ND		5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C	
4-Methyl-2-pentanone	ND		28	5.5	ug/Kg	1	05/05/23	HM	SW8260C	
Acetone	15	JS	28	5.5	ug/Kg	1	05/05/23	HM	SW8260C	
Acrylonitrile	ND		11	1.1	ug/Kg	1	05/05/23	HM	SW8260C	
Benzene	ND		5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C	
Bromobenzene	ND		5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C	
Bromochloromethane	ND		5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C	
Bromodichloromethane	ND		5.5	1.1	ug/Kg	1	05/05/23	HM	SW8260C	
Bromoform	ND		5.5	1.1	ug/Kg	1	05/05/23	HM	SW8260C	
Bromomethane	ND		5.5	2.2	ug/Kg	1	05/05/23	HM	SW8260C	
Carbon Disulfide	ND		5.5	1.1	ug/Kg	1	05/05/23	HM	SW8260C	
Carbon tetrachloride	ND		5.5	1.1	ug/Kg	1	05/05/23	HM	SW8260C	
Chlorobenzene	ND		5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C	
Chloroethane	ND		5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C	
Chloroform	ND		5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C	
Chloromethane	ND		5.5	1.1	ug/Kg	1	05/05/23	HM	SW8260C	
cis-1,2-Dichloroethene	ND		5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C	
cis-1,3-Dichloropropene	ND		5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C	
Dibromochloromethane	ND		5.5	1.1	ug/Kg	1	05/05/23	HM	SW8260C	
Dibromomethane	ND		5.5	1.1	ug/Kg	1	05/05/23	HM	SW8260C	
Dichlorodifluoromethane	ND		5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C	
Ethylbenzene	ND		5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C	
Hexachlorobutadiene	ND		5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C	

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: SB2 (6-8`)

Phoenix I.D.: CN95051

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Isopropylbenzene	ND		5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C
m&p-Xylene	ND		5.5	1.1	ug/Kg	1	05/05/23	HM	SW8260C
Methyl Ethyl Ketone	ND		33	5.5	ug/Kg	1	05/05/23	HM	SW8260C
Methyl t-butyl ether (MTBE)	ND		11	1.1	ug/Kg	1	05/05/23	HM	SW8260C
Methylene chloride	ND		5.5	5.5	ug/Kg	1	05/05/23	HM	SW8260C
Naphthalene	ND		5.5	1.1	ug/Kg	1	05/05/23	HM	SW8260C
n-Butylbenzene	ND		5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C
n-Propylbenzene	ND		5.5	1.1	ug/Kg	1	05/05/23	HM	SW8260C
o-Xylene	ND		5.5	1.1	ug/Kg	1	05/05/23	HM	SW8260C
p-Isopropyltoluene	ND		5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C
sec-Butylbenzene	ND		5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C
Styrene	ND		5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C
tert-Butylbenzene	ND		5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C
Tetrachloroethene	ND		5.5	1.1	ug/Kg	1	05/05/23	HM	SW8260C
Tetrahydrofuran (THF)	4.0	J	11	2.8	ug/Kg	1	05/05/23	HM	SW8260C
Toluene	ND		5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C
trans-1,2-Dichloroethene	ND		5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C
trans-1,3-Dichloropropene	ND		5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C
trans-1,4-dichloro-2-butene	ND		11	2.8	ug/Kg	1	05/05/23	HM	SW8260C
Trichloroethene	ND		5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C
Trichlorofluoromethane	ND		5.5	1.1	ug/Kg	1	05/05/23	HM	SW8260C
Trichlorotrifluoroethane	ND		5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C
Vinyl chloride	ND		5.5	0.55	ug/Kg	1	05/05/23	HM	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	99				%	1	05/05/23	HM	70 - 130 %
% Bromofluorobenzene	89				%	1	05/05/23	HM	70 - 130 %
% Dibromofluoromethane	98				%	1	05/05/23	HM	70 - 130 %
% Toluene-d8	95				%	1	05/05/23	HM	70 - 130 %
1,4-dioxane									
1,4-dioxane	ND		83		ug/kg	1	05/05/23	HM	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	99				%	1	05/05/23	HM	70 - 130 %
% Bromofluorobenzene	89				%	1	05/05/23	HM	70 - 130 %
% Dibromofluoromethane	98				%	1	05/05/23	HM	70 - 130 %
% Toluene-d8	95				%	1	05/05/23	HM	70 - 130 %
Volatiles									
1,1,1,2-Tetrachloroethane	ND		22		ug/Kg	1	05/05/23	HM	SW8260C
Acrolein	ND		5.5		ug/Kg	1	05/05/23	HM	SW8260C
Acrylonitrile	ND		22		ug/Kg	1	05/05/23	HM	SW8260C
Tert-butyl alcohol	ND		110		ug/Kg	1	05/05/23	HM	SW8260C
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND		290	150	ug/Kg	1	05/09/23	KCA	SW8270D
1,2,4-Trichlorobenzene	ND		290	130	ug/Kg	1	05/09/23	KCA	SW8270D
1,2-Dichlorobenzene	ND		290	120	ug/Kg	1	05/09/23	KCA	SW8270D
1,2-Diphenylhydrazine	ND		290	140	ug/Kg	1	05/09/23	KCA	SW8270D
1,3-Dichlorobenzene	ND		290	120	ug/Kg	1	05/09/23	KCA	SW8270D
1,4-Dichlorobenzene	ND		290	120	ug/Kg	1	05/09/23	KCA	SW8270D

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: SB2 (6-8`)

Phoenix I.D.: CN95051

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,2'-Oxybis(1-Chloropropane)	ND		290	120	ug/Kg	1	05/09/23	KCA	SW8270D	1
2,4,5-Trichlorophenol	ND		290	230	ug/Kg	1	05/09/23	KCA	SW8270D	
2,4,6-Trichlorophenol	ND		210	130	ug/Kg	1	05/09/23	KCA	SW8270D	
2,4-Dichlorophenol	ND		210	150	ug/Kg	1	05/09/23	KCA	SW8270D	
2,4-Dimethylphenol	ND		290	100	ug/Kg	1	05/09/23	KCA	SW8270D	
2,4-Dinitrophenol	ND		290	290	ug/Kg	1	05/09/23	KCA	SW8270D	
2,4-Dinitrotoluene	ND		210	160	ug/Kg	1	05/09/23	KCA	SW8270D	
2,6-Dinitrotoluene	ND		210	130	ug/Kg	1	05/09/23	KCA	SW8270D	
2-Chloronaphthalene	ND		290	120	ug/Kg	1	05/09/23	KCA	SW8270D	
2-Chlorophenol	ND		290	120	ug/Kg	1	05/09/23	KCA	SW8270D	
2-Methylnaphthalene	ND		290	120	ug/Kg	1	05/09/23	KCA	SW8270D	
2-Methylphenol (o-cresol)	ND		290	200	ug/Kg	1	05/09/23	KCA	SW8270D	
2-Nitroaniline	ND		290	290	ug/Kg	1	05/09/23	KCA	SW8270D	
2-Nitrophenol	ND		290	260	ug/Kg	1	05/09/23	KCA	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		290	160	ug/Kg	1	05/09/23	KCA	SW8270D	1
3,3'-Dichlorobenzidine	ND		210	200	ug/Kg	1	05/09/23	KCA	SW8270D	
3-Nitroaniline	ND		420	830	ug/Kg	1	05/09/23	KCA	SW8270D	
4,6-Dinitro-2-methylphenol	ND		250	83	ug/Kg	1	05/09/23	KCA	SW8270D	
4-Bromophenyl phenyl ether	ND		290	120	ug/Kg	1	05/09/23	KCA	SW8270D	
4-Chloro-3-methylphenol	ND		290	150	ug/Kg	1	05/09/23	KCA	SW8270D	
4-Chloroaniline	ND		330	190	ug/Kg	1	05/09/23	KCA	SW8270D	
4-Chlorophenyl phenyl ether	ND		290	140	ug/Kg	1	05/09/23	KCA	SW8270D	
4-Nitroaniline	ND		420	140	ug/Kg	1	05/09/23	KCA	SW8270D	
4-Nitrophenol	ND		420	190	ug/Kg	1	05/09/23	KCA	SW8270D	
Acenaphthene	ND		290	130	ug/Kg	1	05/09/23	KCA	SW8270D	
Acenaphthylene	ND		290	120	ug/Kg	1	05/09/23	KCA	SW8270D	
Acetophenone	ND		290	130	ug/Kg	1	05/09/23	KCA	SW8270D	
Aniline	ND		330	330	ug/Kg	1	05/09/23	KCA	SW8270D	
Anthracene	ND		290	140	ug/Kg	1	05/09/23	KCA	SW8270D	
Benz(a)anthracene	360		290	140	ug/Kg	1	05/09/23	KCA	SW8270D	
Benzidine	ND		420	240	ug/Kg	1	05/09/23	KCA	SW8270D	
Benzo(a)pyrene	330		210	140	ug/Kg	1	05/09/23	KCA	SW8270D	
Benzo(b)fluoranthene	400		290	140	ug/Kg	1	05/09/23	KCA	SW8270D	
Benzo(ghi)perylene	170	J	290	130	ug/Kg	1	05/09/23	KCA	SW8270D	
Benzo(k)fluoranthene	160	J	290	140	ug/Kg	1	05/09/23	KCA	SW8270D	
Benzoic acid	ND		2100	830	ug/Kg	1	05/09/23	KCA	SW8270D	
Benzyl butyl phthalate	ND		290	110	ug/Kg	1	05/09/23	KCA	SW8270D	
Bis(2-chloroethoxy)methane	ND		290	110	ug/Kg	1	05/09/23	KCA	SW8270D	
Bis(2-chloroethyl)ether	ND		210	110	ug/Kg	1	05/09/23	KCA	SW8270D	
Bis(2-ethylhexyl)phthalate	ND		290	120	ug/Kg	1	05/09/23	KCA	SW8270D	
Carbazole	ND		210	170	ug/Kg	1	05/09/23	KCA	SW8270D	
Chrysene	370		290	140	ug/Kg	1	05/09/23	KCA	SW8270D	
Dibenz(a,h)anthracene	ND		210	130	ug/Kg	1	05/09/23	KCA	SW8270D	
Dibenzofuran	ND		290	120	ug/Kg	1	05/09/23	KCA	SW8270D	
Diethyl phthalate	ND		290	130	ug/Kg	1	05/09/23	KCA	SW8270D	
Dimethylphthalate	ND		290	130	ug/Kg	1	05/09/23	KCA	SW8270D	
Di-n-butylphthalate	ND		290	110	ug/Kg	1	05/09/23	KCA	SW8270D	
Di-n-octylphthalate	ND		290	110	ug/Kg	1	05/09/23	KCA	SW8270D	
Fluoranthene	690		290	130	ug/Kg	1	05/09/23	KCA	SW8270D	

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: SB2 (6-8`)

Phoenix I.D.: CN95051

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Fluorene	ND		290	140	ug/Kg	1	05/09/23	KCA	SW8270D
Hexachlorobenzene	ND		210	120	ug/Kg	1	05/09/23	KCA	SW8270D
Hexachlorobutadiene	ND		290	150	ug/Kg	1	05/09/23	KCA	SW8270D
Hexachlorocyclopentadiene	ND		290	130	ug/Kg	1	05/09/23	KCA	SW8270D
Hexachloroethane	ND		210	120	ug/Kg	1	05/09/23	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	190	J	290	140	ug/Kg	1	05/09/23	KCA	SW8270D
Isophorone	ND		210	120	ug/Kg	1	05/09/23	KCA	SW8270D
Naphthalene	ND		290	120	ug/Kg	1	05/09/23	KCA	SW8270D
Nitrobenzene	ND		210	150	ug/Kg	1	05/09/23	KCA	SW8270D
N-Nitrosodimethylamine	ND		290	120	ug/Kg	1	05/09/23	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND		210	130	ug/Kg	1	05/09/23	KCA	SW8270D
N-Nitrosodiphenylamine	ND		290	160	ug/Kg	1	05/09/23	KCA	SW8270D
Pentachloronitrobenzene	ND		290	150	ug/Kg	1	05/09/23	KCA	SW8270D
Pentachlorophenol	ND		250	160	ug/Kg	1	05/09/23	KCA	SW8270D
Phenanthrene	650		290	120	ug/Kg	1	05/09/23	KCA	SW8270D
Phenol	ND		290	130	ug/Kg	1	05/09/23	KCA	SW8270D
Pyrene	570		290	140	ug/Kg	1	05/09/23	KCA	SW8270D
Pyridine	ND		290	100	ug/Kg	1	05/09/23	KCA	SW8270D
QA/QC Surrogates									
% 2,4,6-Tribromophenol	68				%	1	05/09/23	KCA	30 - 130 %
% 2-Fluorobiphenyl	68				%	1	05/09/23	KCA	30 - 130 %
% 2-Fluorophenol	50				%	1	05/09/23	KCA	30 - 130 %
% Nitrobenzene-d5	68				%	1	05/09/23	KCA	30 - 130 %
% Phenol-d5	61				%	1	05/09/23	KCA	30 - 130 %
% Terphenyl-d14	63				%	1	05/09/23	KCA	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.
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:

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

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.

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

May 11, 2023

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

May 11, 2023

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:	TG	05/01/23	8:30
Location Code:	BRUSSEE	Received by:	CP	05/01/23	18:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN95050
Phoenix ID: CN95052

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: SB3 (3-5`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	0.47	0.41		mg/Kg	1	05/05/23	TH	SW6010D	
Aluminum	6430	41		mg/Kg	10	05/05/23	CPP	SW6010D	
Arsenic	5.83	0.82		mg/Kg	1	05/05/23	CPP	SW6010D	
Barium	119	0.8		mg/Kg	1	05/09/23	TH	SW6010D	
Beryllium	0.45	0.33		mg/Kg	1	05/05/23	CPP	SW6010D	
Calcium	5010	4.1		mg/Kg	1	05/05/23	CPP	SW6010D	
Cadmium	0.72	0.41		mg/Kg	1	05/05/23	CPP	SW6010D	
Cobalt	7.30	0.41		mg/Kg	1	05/05/23	CPP	SW6010D	
Chromium	12.9	0.41		mg/Kg	1	05/05/23	CPP	SW6010D	
Copper	57.3	0.8		mg/kg	1	05/05/23	CPP	SW6010D	
Iron	14500	41		mg/Kg	10	05/05/23	CPP	SW6010D	
Mercury	1.78	0.03		mg/Kg	2	05/02/23	AL1	SW7471B	
Potassium	837	8		mg/Kg	1	05/05/23	CPP	SW6010D	
Magnesium	1110	4.1		mg/Kg	1	05/05/23	CPP	SW6010D	
Manganese	170	0.41		mg/Kg	1	05/05/23	CPP	SW6010D	
Sodium	534	82		mg/Kg	10	05/05/23	CPP	SW6010D	
Nickel	16.7	0.41		mg/Kg	1	05/05/23	CPP	SW6010D	
Lead	1710	82		mg/Kg	100	05/09/23	TH	SW6010D	
Antimony	< 4.1	4.1		mg/Kg	1	05/05/23	CPP	SW6010D	
Selenium	< 1.6	1.6		mg/Kg	1	05/05/23	CPP	SW6010D	
Thallium	< 1.6	1.6		mg/Kg	1	05/05/23	CPP	SW6010D	
Vanadium	18.9	0.41		mg/Kg	1	05/05/23	CPP	SW6010D	
Zinc	66.4	0.8		mg/Kg	1	05/05/23	CPP	SW6010D	
Percent Solid	81			%		05/01/23	CV	SW846-%Solid	
Field Extraction	Completed					05/01/23		SW5035A	1
Mercury Digestion	Completed					05/02/23	/D	SW7471B	
Soil Extraction for SVOA	Completed					05/08/23	B/M	SW3546	

Ver 1

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: SB3 (3-5`)

Phoenix I.D.: CN95052

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Total Metals Digest	Completed					05/03/23	L/AG	SW3050B	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C	
1,1,1-Trichloroethane	ND	4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
1,1,2,2-Tetrachloroethane	ND	4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C	
1,1,2-Trichloroethane	ND	4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C	
1,1-Dichloroethane	ND	4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C	
1,1-Dichloroethene	ND	4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
1,1-Dichloropropene	ND	4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
1,2,3-Trichlorobenzene	ND	4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C	
1,2,3-Trichloropropane	ND	4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
1,2,4-Trichlorobenzene	ND	4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C	
1,2,4-Trimethylbenzene	ND	4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND	4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C	
1,2-Dibromoethane	ND	4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
1,2-Dichlorobenzene	ND	4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
1,2-Dichloroethane	ND	4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
1,2-Dichloropropane	ND	4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C	
1,3,5-Trimethylbenzene	ND	4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
1,3-Dichlorobenzene	ND	4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
1,3-Dichloropropane	ND	4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C	
1,4-Dichlorobenzene	ND	4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
2,2-Dichloropropane	ND	4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
2-Chlorotoluene	ND	4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C	
2-Hexanone	ND	22	4.4	ug/Kg	1	05/05/23	HM	SW8260C	
2-Isopropyltoluene	ND	4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	1
4-Chlorotoluene	ND	4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
4-Methyl-2-pentanone	ND	22	4.4	ug/Kg	1	05/05/23	HM	SW8260C	
Acetone	ND	22	4.4	ug/Kg	1	05/05/23	HM	SW8260C	
Acrylonitrile	ND	8.8	0.88	ug/Kg	1	05/05/23	HM	SW8260C	
Benzene	ND	4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
Bromobenzene	ND	4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
Bromochloromethane	ND	4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
Bromodichloromethane	ND	4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C	
Bromoform	ND	4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C	
Bromomethane	ND	4.4	1.8	ug/Kg	1	05/05/23	HM	SW8260C	
Carbon Disulfide	ND	4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C	
Carbon tetrachloride	ND	4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C	
Chlorobenzene	ND	4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
Chloroethane	ND	4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
Chloroform	ND	4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
Chloromethane	ND	4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C	
cis-1,2-Dichloroethene	ND	4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
cis-1,3-Dichloropropene	ND	4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
Dibromochloromethane	ND	4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C	
Dibromomethane	ND	4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C	
Dichlorodifluoromethane	ND	4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
Ethylbenzene	ND	4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
Hexachlorobutadiene	ND	4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	

Ver 1

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: SB3 (3-5`)

Phoenix I.D.: CN95052

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Isopropylbenzene	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C
m&p-Xylene	ND		4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C
Methyl Ethyl Ketone	ND		26	4.4	ug/Kg	1	05/05/23	HM	SW8260C
Methyl t-butyl ether (MTBE)	ND		8.8	0.88	ug/Kg	1	05/05/23	HM	SW8260C
Methylene chloride	ND		4.4	4.4	ug/Kg	1	05/05/23	HM	SW8260C
Naphthalene	1.0	J	4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C
n-Butylbenzene	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C
n-Propylbenzene	ND		4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C
o-Xylene	ND		4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C
p-Isopropyltoluene	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C
sec-Butylbenzene	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C
Styrene	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C
tert-Butylbenzene	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C
Tetrachloroethene	ND		4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C
Tetrahydrofuran (THF)	5.3	J	8.8	2.2	ug/Kg	1	05/05/23	HM	SW8260C
Toluene	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C
trans-1,2-Dichloroethene	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C
trans-1,3-Dichloropropene	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C
trans-1,4-dichloro-2-butene	ND		8.8	2.2	ug/Kg	1	05/05/23	HM	SW8260C
Trichloroethene	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C
Trichlorofluoromethane	ND		4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C
Trichlorotrifluoroethane	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C
Vinyl chloride	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	102				%	1	05/05/23	HM	70 - 130 %
% Bromofluorobenzene	90				%	1	05/05/23	HM	70 - 130 %
% Dibromofluoromethane	100				%	1	05/05/23	HM	70 - 130 %
% Toluene-d8	95				%	1	05/05/23	HM	70 - 130 %
1,4-dioxane									
1,4-dioxane	ND		66		ug/kg	1	05/05/23	HM	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	102				%	1	05/05/23	HM	70 - 130 %
% Bromofluorobenzene	90				%	1	05/05/23	HM	70 - 130 %
% Dibromofluoromethane	100				%	1	05/05/23	HM	70 - 130 %
% Toluene-d8	95				%	1	05/05/23	HM	70 - 130 %
Volatiles									
1,1,1,2-Tetrachloroethane	ND		18		ug/Kg	1	05/05/23	HM	SW8260C
Acrolein	ND		4.4		ug/Kg	1	05/05/23	HM	SW8260C
Acrylonitrile	ND		18		ug/Kg	1	05/05/23	HM	SW8260C
Tert-butyl alcohol	ND		88		ug/Kg	1	05/05/23	HM	SW8260C
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND		280	140	ug/Kg	1	05/09/23	KCA	SW8270D
1,2,4-Trichlorobenzene	ND		280	120	ug/Kg	1	05/09/23	KCA	SW8270D
1,2-Dichlorobenzene	ND		280	110	ug/Kg	1	05/09/23	KCA	SW8270D
1,2-Diphenylhydrazine	ND		280	130	ug/Kg	1	05/09/23	KCA	SW8270D
1,3-Dichlorobenzene	ND		280	120	ug/Kg	1	05/09/23	KCA	SW8270D
1,4-Dichlorobenzene	ND		280	120	ug/Kg	1	05/09/23	KCA	SW8270D

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: SB3 (3-5`)

Phoenix I.D.: CN95052

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,2'-Oxybis(1-Chloropropane)	ND		280	110	ug/Kg	1	05/09/23	KCA	SW8270D	1
2,4,5-Trichlorophenol	ND		280	220	ug/Kg	1	05/09/23	KCA	SW8270D	
2,4,6-Trichlorophenol	ND		200	130	ug/Kg	1	05/09/23	KCA	SW8270D	
2,4-Dichlorophenol	ND		200	140	ug/Kg	1	05/09/23	KCA	SW8270D	
2,4-Dimethylphenol	ND		280	100	ug/Kg	1	05/09/23	KCA	SW8270D	
2,4-Dinitrophenol	ND		280	280	ug/Kg	1	05/09/23	KCA	SW8270D	
2,4-Dinitrotoluene	ND		200	160	ug/Kg	1	05/09/23	KCA	SW8270D	
2,6-Dinitrotoluene	ND		200	130	ug/Kg	1	05/09/23	KCA	SW8270D	
2-Chloronaphthalene	ND		280	120	ug/Kg	1	05/09/23	KCA	SW8270D	
2-Chlorophenol	ND		280	120	ug/Kg	1	05/09/23	KCA	SW8270D	
2-Methylnaphthalene	160	J	280	120	ug/Kg	1	05/09/23	KCA	SW8270D	
2-Methylphenol (o-cresol)	ND		280	190	ug/Kg	1	05/09/23	KCA	SW8270D	
2-Nitroaniline	ND		280	280	ug/Kg	1	05/09/23	KCA	SW8270D	
2-Nitrophenol	ND		280	260	ug/Kg	1	05/09/23	KCA	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		280	160	ug/Kg	1	05/09/23	KCA	SW8270D	1
3,3'-Dichlorobenzidine	ND		200	190	ug/Kg	1	05/09/23	KCA	SW8270D	
3-Nitroaniline	ND		410	810	ug/Kg	1	05/09/23	KCA	SW8270D	
4,6-Dinitro-2-methylphenol	ND		240	81	ug/Kg	1	05/09/23	KCA	SW8270D	
4-Bromophenyl phenyl ether	ND		280	120	ug/Kg	1	05/09/23	KCA	SW8270D	
4-Chloro-3-methylphenol	ND		280	140	ug/Kg	1	05/09/23	KCA	SW8270D	
4-Chloroaniline	ND		330	190	ug/Kg	1	05/09/23	KCA	SW8270D	
4-Chlorophenyl phenyl ether	ND		280	140	ug/Kg	1	05/09/23	KCA	SW8270D	
4-Nitroaniline	ND		410	140	ug/Kg	1	05/09/23	KCA	SW8270D	
4-Nitrophenol	ND		410	180	ug/Kg	1	05/09/23	KCA	SW8270D	
Acenaphthene	250	J	280	120	ug/Kg	1	05/09/23	KCA	SW8270D	
Acenaphthylene	ND		280	110	ug/Kg	1	05/09/23	KCA	SW8270D	
Acetophenone	ND		280	130	ug/Kg	1	05/09/23	KCA	SW8270D	
Aniline	ND		330	330	ug/Kg	1	05/09/23	KCA	SW8270D	
Anthracene	440		280	130	ug/Kg	1	05/09/23	KCA	SW8270D	
Benz(a)anthracene	1100		280	140	ug/Kg	1	05/09/23	KCA	SW8270D	
Benzidine	ND		410	240	ug/Kg	1	05/09/23	KCA	SW8270D	
Benzo(a)pyrene	930		200	130	ug/Kg	1	05/09/23	KCA	SW8270D	
Benzo(b)fluoranthene	1100		280	140	ug/Kg	1	05/09/23	KCA	SW8270D	
Benzo(ghi)perylene	430		280	130	ug/Kg	1	05/09/23	KCA	SW8270D	
Benzo(k)fluoranthene	410		280	140	ug/Kg	1	05/09/23	KCA	SW8270D	
Benzoic acid	ND		2000	810	ug/Kg	1	05/09/23	KCA	SW8270D	
Benzyl butyl phthalate	ND		280	100	ug/Kg	1	05/09/23	KCA	SW8270D	
Bis(2-chloroethoxy)methane	ND		280	110	ug/Kg	1	05/09/23	KCA	SW8270D	
Bis(2-chloroethyl)ether	ND		200	110	ug/Kg	1	05/09/23	KCA	SW8270D	
Bis(2-ethylhexyl)phthalate	ND		280	120	ug/Kg	1	05/09/23	KCA	SW8270D	
Carbazole	190	J	200	160	ug/Kg	1	05/09/23	KCA	SW8270D	
Chrysene	1000		280	140	ug/Kg	1	05/09/23	KCA	SW8270D	
Dibenz(a,h)anthracene	160	J	200	130	ug/Kg	1	05/09/23	KCA	SW8270D	
Dibenzofuran	160	J	280	120	ug/Kg	1	05/09/23	KCA	SW8270D	
Diethyl phthalate	ND		280	130	ug/Kg	1	05/09/23	KCA	SW8270D	
Dimethylphthalate	ND		280	130	ug/Kg	1	05/09/23	KCA	SW8270D	
Di-n-butylphthalate	ND		280	110	ug/Kg	1	05/09/23	KCA	SW8270D	
Di-n-octylphthalate	ND		280	100	ug/Kg	1	05/09/23	KCA	SW8270D	
Fluoranthene	1800		280	130	ug/Kg	1	05/09/23	KCA	SW8270D	

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: SB3 (3-5`)

Phoenix I.D.: CN95052

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Fluorene	200	J	280	130	ug/Kg	1	05/09/23	KCA	SW8270D
Hexachlorobenzene	ND		200	120	ug/Kg	1	05/09/23	KCA	SW8270D
Hexachlorobutadiene	ND		280	150	ug/Kg	1	05/09/23	KCA	SW8270D
Hexachlorocyclopentadiene	ND		280	120	ug/Kg	1	05/09/23	KCA	SW8270D
Hexachloroethane	ND		200	120	ug/Kg	1	05/09/23	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	500		280	140	ug/Kg	1	05/09/23	KCA	SW8270D
Isophorone	ND		200	110	ug/Kg	1	05/09/23	KCA	SW8270D
Naphthalene	220	J	280	120	ug/Kg	1	05/09/23	KCA	SW8270D
Nitrobenzene	ND		200	140	ug/Kg	1	05/09/23	KCA	SW8270D
N-Nitrosodimethylamine	ND		280	110	ug/Kg	1	05/09/23	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND		200	130	ug/Kg	1	05/09/23	KCA	SW8270D
N-Nitrosodiphenylamine	ND		280	160	ug/Kg	1	05/09/23	KCA	SW8270D
Pentachloronitrobenzene	ND		280	150	ug/Kg	1	05/09/23	KCA	SW8270D
Pentachlorophenol	ND		240	150	ug/Kg	1	05/09/23	KCA	SW8270D
Phenanthrene	1900		280	120	ug/Kg	1	05/09/23	KCA	SW8270D
Phenol	ND		280	130	ug/Kg	1	05/09/23	KCA	SW8270D
Pyrene	1500		280	140	ug/Kg	1	05/09/23	KCA	SW8270D
Pyridine	ND		280	100	ug/Kg	1	05/09/23	KCA	SW8270D
QA/QC Surrogates									
% 2,4,6-Tribromophenol	61				%	1	05/09/23	KCA	30 - 130 %
% 2-Fluorobiphenyl	75				%	1	05/09/23	KCA	30 - 130 %
% 2-Fluorophenol	58				%	1	05/09/23	KCA	30 - 130 %
% Nitrobenzene-d5	77				%	1	05/09/23	KCA	30 - 130 %
% Phenol-d5	69				%	1	05/09/23	KCA	30 - 130 %
% Terphenyl-d14	60				%	1	05/09/23	KCA	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

May 11, 2023

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

May 11, 2023

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:	TG	05/01/23	9:15
Location Code:	BRUSSEE	Received by:	CP	05/01/23	18:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN95050
Phoenix ID: CN95053

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: SB4 (0-2`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.40	0.40		mg/Kg	1	05/05/23	CPP	SW6010D	
Aluminum	10100	40		mg/Kg	10	05/05/23	CPP	SW6010D	
Arsenic	9.55	0.81		mg/Kg	1	05/05/23	CPP	SW6010D	
Barium	141	0.8		mg/Kg	1	05/05/23	TH	SW6010D	
Beryllium	0.61	0.32		mg/Kg	1	05/05/23	CPP	SW6010D	
Calcium	10300	4.0		mg/Kg	1	05/05/23	CPP	SW6010D	
Cadmium	0.91	0.40		mg/Kg	1	05/05/23	CPP	SW6010D	
Cobalt	7.76	0.40		mg/Kg	1	05/05/23	CPP	SW6010D	
Chromium	17.1	0.40		mg/Kg	1	05/05/23	CPP	SW6010D	
Copper	79.5	0.8		mg/kg	1	05/05/23	CPP	SW6010D	
Iron	14200	40		mg/Kg	10	05/05/23	CPP	SW6010D	
Mercury	6.27	0.15		mg/Kg	10	05/02/23	AL1	SW7471B	
Potassium	1170	81		mg/Kg	10	05/05/23	CPP	SW6010D	
Magnesium	1850	4.0		mg/Kg	1	05/05/23	CPP	SW6010D	
Manganese	197	4.0		mg/Kg	10	05/05/23	CPP	SW6010D	
Sodium	689	8		mg/Kg	1	05/05/23	CPP	SW6010D	
Nickel	22.0	0.40		mg/Kg	1	05/05/23	CPP	SW6010D	
Lead	378	8.1		mg/Kg	10	05/05/23	TH	SW6010D	
Antimony	< 4.0	4.0		mg/Kg	1	05/05/23	CPP	SW6010D	
Selenium	< 1.6	1.6		mg/Kg	1	05/05/23	CPP	SW6010D	
Thallium	< 1.6	1.6		mg/Kg	1	05/05/23	CPP	SW6010D	
Vanadium	36.0	0.40		mg/Kg	1	05/05/23	CPP	SW6010D	
Zinc	155	0.8		mg/Kg	1	05/05/23	CPP	SW6010D	
Percent Solid	85			%		05/01/23	CV	SW846-%Solid	
Field Extraction	Completed					05/01/23		SW5035A	1
Mercury Digestion	Completed					05/02/23	/D	SW7471B	
Soil Extraction for SVOA	Completed					05/05/23	MO/P	SW3546	

Ver 1

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: SB4 (0-2`)

Phoenix I.D.: CN95053

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Total Metals Digest	Completed						05/03/23	L/AG	SW3050B	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		4.5	0.91	ug/Kg	1	05/05/23	HM	SW8260C	
1,1,1-Trichloroethane	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C	
1,1,2,2-Tetrachloroethane	ND		4.5	0.91	ug/Kg	1	05/05/23	HM	SW8260C	
1,1,2-Trichloroethane	ND		4.5	0.91	ug/Kg	1	05/05/23	HM	SW8260C	
1,1-Dichloroethane	ND		4.5	0.91	ug/Kg	1	05/05/23	HM	SW8260C	
1,1-Dichloroethene	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C	
1,1-Dichloropropene	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C	
1,2,3-Trichlorobenzene	ND		4.5	0.91	ug/Kg	1	05/05/23	HM	SW8260C	
1,2,3-Trichloropropane	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C	
1,2,4-Trichlorobenzene	ND		4.5	0.91	ug/Kg	1	05/05/23	HM	SW8260C	
1,2,4-Trimethylbenzene	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND		4.5	0.91	ug/Kg	1	05/05/23	HM	SW8260C	
1,2-Dibromoethane	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C	
1,2-Dichlorobenzene	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C	
1,2-Dichloroethane	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C	
1,2-Dichloropropane	ND		4.5	0.91	ug/Kg	1	05/05/23	HM	SW8260C	
1,3,5-Trimethylbenzene	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C	
1,3-Dichlorobenzene	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C	
1,3-Dichloropropane	ND		4.5	0.91	ug/Kg	1	05/05/23	HM	SW8260C	
1,4-Dichlorobenzene	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C	
2,2-Dichloropropane	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C	
2-Chlorotoluene	ND		4.5	0.91	ug/Kg	1	05/05/23	HM	SW8260C	
2-Hexanone	ND		23	4.5	ug/Kg	1	05/05/23	HM	SW8260C	
2-Isopropyltoluene	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C	1
4-Chlorotoluene	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C	
4-Methyl-2-pentanone	ND		23	4.5	ug/Kg	1	05/05/23	HM	SW8260C	
Acetone	19	JS	23	4.5	ug/Kg	1	05/05/23	HM	SW8260C	
Acrylonitrile	ND		9.1	0.91	ug/Kg	1	05/05/23	HM	SW8260C	
Benzene	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C	
Bromobenzene	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C	
Bromochloromethane	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C	
Bromodichloromethane	ND		4.5	0.91	ug/Kg	1	05/05/23	HM	SW8260C	
Bromoform	ND		4.5	0.91	ug/Kg	1	05/05/23	HM	SW8260C	
Bromomethane	ND		4.5	1.8	ug/Kg	1	05/05/23	HM	SW8260C	
Carbon Disulfide	ND		4.5	0.91	ug/Kg	1	05/05/23	HM	SW8260C	
Carbon tetrachloride	ND		4.5	0.91	ug/Kg	1	05/05/23	HM	SW8260C	
Chlorobenzene	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C	
Chloroethane	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C	
Chloroform	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C	
Chloromethane	ND		4.5	0.91	ug/Kg	1	05/05/23	HM	SW8260C	
cis-1,2-Dichloroethene	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C	
cis-1,3-Dichloropropene	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C	
Dibromochloromethane	ND		4.5	0.91	ug/Kg	1	05/05/23	HM	SW8260C	
Dibromomethane	ND		4.5	0.91	ug/Kg	1	05/05/23	HM	SW8260C	
Dichlorodifluoromethane	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C	
Ethylbenzene	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C	
Hexachlorobutadiene	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C	

Ver 1

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: SB4 (0-2`)

Phoenix I.D.: CN95053

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Isopropylbenzene	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C
m&p-Xylene	ND		4.5	0.91	ug/Kg	1	05/05/23	HM	SW8260C
Methyl Ethyl Ketone	ND		27	4.5	ug/Kg	1	05/05/23	HM	SW8260C
Methyl t-butyl ether (MTBE)	ND		9.1	0.91	ug/Kg	1	05/05/23	HM	SW8260C
Methylene chloride	ND		4.5	4.5	ug/Kg	1	05/05/23	HM	SW8260C
Naphthalene	ND		4.5	0.91	ug/Kg	1	05/05/23	HM	SW8260C
n-Butylbenzene	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C
n-Propylbenzene	ND		4.5	0.91	ug/Kg	1	05/05/23	HM	SW8260C
o-Xylene	ND		4.5	0.91	ug/Kg	1	05/05/23	HM	SW8260C
p-Isopropyltoluene	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C
sec-Butylbenzene	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C
Styrene	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C
tert-Butylbenzene	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C
Tetrachloroethene	ND		4.5	0.91	ug/Kg	1	05/05/23	HM	SW8260C
Tetrahydrofuran (THF)	2.4	J	9.1	2.3	ug/Kg	1	05/05/23	HM	SW8260C
Toluene	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C
trans-1,2-Dichloroethene	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C
trans-1,3-Dichloropropene	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C
trans-1,4-dichloro-2-butene	ND		9.1	2.3	ug/Kg	1	05/05/23	HM	SW8260C
Trichloroethene	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C
Trichlorofluoromethane	ND		4.5	0.91	ug/Kg	1	05/05/23	HM	SW8260C
Trichlorotrifluoroethane	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C
Vinyl chloride	ND		4.5	0.45	ug/Kg	1	05/05/23	HM	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100				%	1	05/05/23	HM	70 - 130 %
% Bromofluorobenzene	88				%	1	05/05/23	HM	70 - 130 %
% Dibromofluoromethane	99				%	1	05/05/23	HM	70 - 130 %
% Toluene-d8	94				%	1	05/05/23	HM	70 - 130 %
1,4-dioxane									
1,4-dioxane	ND		68		ug/kg	1	05/05/23	HM	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100				%	1	05/05/23	HM	70 - 130 %
% Bromofluorobenzene	88				%	1	05/05/23	HM	70 - 130 %
% Dibromofluoromethane	99				%	1	05/05/23	HM	70 - 130 %
% Toluene-d8	94				%	1	05/05/23	HM	70 - 130 %
Volatiles									
1,1,1,2-Tetrachloroethane	ND		18		ug/Kg	1	05/05/23	HM	SW8260C
Acrolein	ND		4.5		ug/Kg	1	05/05/23	HM	SW8260C
Acrylonitrile	ND		18		ug/Kg	1	05/05/23	HM	SW8260C
Tert-butyl alcohol	ND		91		ug/Kg	1	05/05/23	HM	SW8260C
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND		270	140	ug/Kg	1	05/06/23	HM	SW8270D
1,2,4-Trichlorobenzene	ND		270	120	ug/Kg	1	05/06/23	HM	SW8270D
1,2-Dichlorobenzene	ND		270	110	ug/Kg	1	05/06/23	HM	SW8270D
1,2-Diphenylhydrazine	ND		270	130	ug/Kg	1	05/06/23	HM	SW8270D
1,3-Dichlorobenzene	ND		270	110	ug/Kg	1	05/06/23	HM	SW8270D
1,4-Dichlorobenzene	ND		270	110	ug/Kg	1	05/06/23	HM	SW8270D

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: SB4 (0-2`)

Phoenix I.D.: CN95053

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,2'-Oxybis(1-Chloropropane)	ND		270	110	ug/Kg	1	05/06/23	HM	SW8270D	1
2,4,5-Trichlorophenol	ND		270	210	ug/Kg	1	05/06/23	HM	SW8270D	
2,4,6-Trichlorophenol	ND		190	120	ug/Kg	1	05/06/23	HM	SW8270D	
2,4-Dichlorophenol	ND		190	140	ug/Kg	1	05/06/23	HM	SW8270D	
2,4-Dimethylphenol	120	J	270	96	ug/Kg	1	05/06/23	HM	SW8270D	
2,4-Dinitrophenol	ND		270	270	ug/Kg	1	05/06/23	HM	SW8270D	
2,4-Dinitrotoluene	ND		190	150	ug/Kg	1	05/06/23	HM	SW8270D	
2,6-Dinitrotoluene	ND		190	120	ug/Kg	1	05/06/23	HM	SW8270D	
2-Chloronaphthalene	ND		270	110	ug/Kg	1	05/06/23	HM	SW8270D	
2-Chlorophenol	ND		270	110	ug/Kg	1	05/06/23	HM	SW8270D	
2-Methylnaphthalene	1400		270	120	ug/Kg	1	05/06/23	HM	SW8270D	
2-Methylphenol (o-cresol)	ND		270	180	ug/Kg	1	05/06/23	HM	SW8270D	
2-Nitroaniline	ND		270	270	ug/Kg	1	05/06/23	HM	SW8270D	
2-Nitrophenol	ND		270	250	ug/Kg	1	05/06/23	HM	SW8270D	
3&4-Methylphenol (m&p-cresol)	230	J	270	150	ug/Kg	1	05/06/23	HM	SW8270D	1
3,3'-Dichlorobenzidine	ND		190	180	ug/Kg	1	05/06/23	HM	SW8270D	
3-Nitroaniline	ND		390	770	ug/Kg	1	05/06/23	HM	SW8270D	
4,6-Dinitro-2-methylphenol	ND		230	77	ug/Kg	1	05/06/23	HM	SW8270D	
4-Bromophenyl phenyl ether	ND		270	110	ug/Kg	1	05/06/23	HM	SW8270D	
4-Chloro-3-methylphenol	ND		270	140	ug/Kg	1	05/06/23	HM	SW8270D	
4-Chloroaniline	ND		310	180	ug/Kg	1	05/06/23	HM	SW8270D	
4-Chlorophenyl phenyl ether	ND		270	130	ug/Kg	1	05/06/23	HM	SW8270D	
4-Nitroaniline	ND		390	130	ug/Kg	1	05/06/23	HM	SW8270D	
4-Nitrophenol	ND		390	180	ug/Kg	1	05/06/23	HM	SW8270D	
Acenaphthene	4400		270	120	ug/Kg	1	05/06/23	HM	SW8270D	
Acenaphthylene	620		270	110	ug/Kg	1	05/06/23	HM	SW8270D	
Acetophenone	ND		270	120	ug/Kg	1	05/06/23	HM	SW8270D	
Aniline	ND		310	310	ug/Kg	1	05/06/23	HM	SW8270D	
Anthracene	7600		270	130	ug/Kg	1	05/06/23	HM	SW8270D	
Benz(a)anthracene	16000		1400	650	ug/Kg	5	05/08/23	HM	SW8270D	
Benzidine	ND		390	230	ug/Kg	1	05/06/23	HM	SW8270D	
Benzo(a)pyrene	16000		970	630	ug/Kg	5	05/08/23	HM	SW8270D	
Benzo(b)fluoranthene	17000		1400	660	ug/Kg	5	05/08/23	HM	SW8270D	
Benzo(ghi)perylene	6800		270	130	ug/Kg	1	05/06/23	HM	SW8270D	
Benzo(k)fluoranthene	4900		270	130	ug/Kg	1	05/06/23	HM	SW8270D	
Benzoic acid	ND		1900	770	ug/Kg	1	05/06/23	HM	SW8270D	
Benzyl butyl phthalate	ND		270	100	ug/Kg	1	05/06/23	HM	SW8270D	
Bis(2-chloroethoxy)methane	ND		270	110	ug/Kg	1	05/06/23	HM	SW8270D	
Bis(2-chloroethyl)ether	ND		190	100	ug/Kg	1	05/06/23	HM	SW8270D	
Bis(2-ethylhexyl)phthalate	ND		270	110	ug/Kg	1	05/06/23	HM	SW8270D	
Carbazole	3300		190	150	ug/Kg	1	05/06/23	HM	SW8270D	
Chrysene	15000		1400	650	ug/Kg	5	05/08/23	HM	SW8270D	
Dibenz(a,h)anthracene	1600		190	130	ug/Kg	1	05/06/23	HM	SW8270D	
Dibenzofuran	3200		270	110	ug/Kg	1	05/06/23	HM	SW8270D	
Diethyl phthalate	ND		270	120	ug/Kg	1	05/06/23	HM	SW8270D	
Dimethylphthalate	ND		270	120	ug/Kg	1	05/06/23	HM	SW8270D	
Di-n-butylphthalate	ND		270	100	ug/Kg	1	05/06/23	HM	SW8270D	
Di-n-octylphthalate	ND		270	100	ug/Kg	1	05/06/23	HM	SW8270D	
Fluoranthene	38000		6800	3100	ug/Kg	25	05/09/23	HM	SW8270D	

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: SB4 (0-2`)

Phoenix I.D.: CN95053

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Fluorene	3200		270	130	ug/Kg	1	05/06/23	HM	SW8270D
Hexachlorobenzene	ND		190	110	ug/Kg	1	05/06/23	HM	SW8270D
Hexachlorobutadiene	ND		270	140	ug/Kg	1	05/06/23	HM	SW8270D
Hexachlorocyclopentadiene	ND		270	120	ug/Kg	1	05/06/23	HM	SW8270D
Hexachloroethane	ND		190	120	ug/Kg	1	05/06/23	HM	SW8270D
Indeno(1,2,3-cd)pyrene	7100		270	130	ug/Kg	1	05/06/23	HM	SW8270D
Isophorone	ND		190	110	ug/Kg	1	05/06/23	HM	SW8270D
Naphthalene	2800		270	110	ug/Kg	1	05/06/23	HM	SW8270D
Nitrobenzene	ND		190	140	ug/Kg	1	05/06/23	HM	SW8270D
N-Nitrosodimethylamine	ND		270	110	ug/Kg	1	05/06/23	HM	SW8270D
N-Nitrosodi-n-propylamine	ND		190	130	ug/Kg	1	05/06/23	HM	SW8270D
N-Nitrosodiphenylamine	ND		270	150	ug/Kg	1	05/06/23	HM	SW8270D
Pentachloronitrobenzene	ND		270	140	ug/Kg	1	05/06/23	HM	SW8270D
Pentachlorophenol	ND		230	150	ug/Kg	1	05/06/23	HM	SW8270D
Phenanthrene	45000		6800	2800	ug/Kg	25	05/09/23	HM	SW8270D
Phenol	160	J	270	120	ug/Kg	1	05/06/23	HM	SW8270D
Pyrene	34000		1400	670	ug/Kg	5	05/08/23	HM	SW8270D
Pyridine	ND		270	95	ug/Kg	1	05/06/23	HM	SW8270D
QA/QC Surrogates									
% 2,4,6-Tribromophenol	112				%	1	05/06/23	HM	30 - 130 %
% 2-Fluorobiphenyl	76				%	1	05/06/23	HM	30 - 130 %
% 2-Fluorophenol	57				%	1	05/06/23	HM	30 - 130 %
% Nitrobenzene-d5	88				%	1	05/06/23	HM	30 - 130 %
% Phenol-d5	71				%	1	05/06/23	HM	30 - 130 %
% Terphenyl-d14	59				%	1	05/06/23	HM	30 - 130 %
% 2,4,6-Tribromophenol (5x)	104				%	5	05/08/23	HM	30 - 130 %
% 2-Fluorobiphenyl (5x)	93				%	5	05/08/23	HM	30 - 130 %
% 2-Fluorophenol (5x)	74				%	5	05/08/23	HM	30 - 130 %
% Nitrobenzene-d5 (5x)	83				%	5	05/08/23	HM	30 - 130 %
% Phenol-d5 (5x)	84				%	5	05/08/23	HM	30 - 130 %
% Terphenyl-d14 (5x)	92				%	5	05/08/23	HM	30 - 130 %
% 2-Fluorobiphenyl (25x)	Diluted Out				%	25	05/09/23	HM	30 - 130 %
% Nitrobenzene-d5 (25x)	Diluted Out				%	25	05/09/23	HM	30 - 130 %
% Terphenyl-d14 (25x)	Diluted Out				%	25	05/09/23	HM	30 - 130 %

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: SB4 (0-2`)

Phoenix I.D.: CN95053

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:

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

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.

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

May 11, 2023

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

May 11, 2023

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:	TG	05/01/23	11:10
Location Code:	BRUSSEE	Received by:	CP	05/01/23	18:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN95050
Phoenix ID: CN95054

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: SB5 (3-5`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.38	0.38		mg/Kg	1	05/05/23	CPP	SW6010D	
Aluminum	6070	38		mg/Kg	10	05/05/23	CPP	SW6010D	
Arsenic	8.29	0.76		mg/Kg	1	05/05/23	CPP	SW6010D	
Barium	324	0.8		mg/Kg	1	05/05/23	TH	SW6010D	
Beryllium	0.44	0.31		mg/Kg	1	05/05/23	CPP	SW6010D	
Calcium	56000	38		mg/Kg	10	05/05/23	CPP	SW6010D	
Cadmium	0.81	0.38		mg/Kg	1	05/05/23	CPP	SW6010D	
Cobalt	6.54	0.38		mg/Kg	1	05/05/23	CPP	SW6010D	
Chromium	17.4	0.38		mg/Kg	1	05/05/23	CPP	SW6010D	
Copper	125	0.8		mg/kg	1	05/05/23	CPP	SW6010D	
Iron	11300	38		mg/Kg	10	05/05/23	CPP	SW6010D	
Mercury	0.66	0.03		mg/Kg	2	05/02/23	AL1	SW7471B	
Potassium	907	76		mg/Kg	10	05/05/23	CPP	SW6010D	
Magnesium	2200	3.8		mg/Kg	1	05/05/23	CPP	SW6010D	
Manganese	192	3.8		mg/Kg	10	05/05/23	CPP	SW6010D	
Sodium	417	8		mg/Kg	1	05/05/23	CPP	SW6010D	
Nickel	21.7	0.38		mg/Kg	1	05/05/23	CPP	SW6010D	
Lead	450	7.6		mg/Kg	10	05/05/23	TH	SW6010D	
Antimony	< 3.8	3.8		mg/Kg	1	05/05/23	CPP	SW6010D	
Selenium	< 1.5	1.5		mg/Kg	1	05/05/23	CPP	SW6010D	
Thallium	< 1.5	1.5		mg/Kg	1	05/05/23	CPP	SW6010D	
Vanadium	18.8	0.38		mg/Kg	1	05/05/23	CPP	SW6010D	
Zinc	237	7.6		mg/Kg	10	05/05/23	CPP	SW6010D	
Percent Solid	84			%		05/01/23	CV	SW846-%Solid	
Field Extraction	Completed					05/01/23		SW5035A	1
Mercury Digestion	Completed					05/02/23	/D	SW7471B	
Soil Extraction for SVOA	Completed					05/05/23	MO/P	SW3546	

Ver 1

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: SB5 (3-5`)

Phoenix I.D.: CN95054

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Total Metals Digest	Completed						05/03/23	L/AG	SW3050B	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C	
1,1,1-Trichloroethane	0.73	J	4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
1,1,2,2-Tetrachloroethane	ND		4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C	
1,1,2-Trichloroethane	ND		4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C	
1,1-Dichloroethane	ND		4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C	
1,1-Dichloroethene	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
1,1-Dichloropropene	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
1,2,3-Trichlorobenzene	ND		4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C	
1,2,3-Trichloropropane	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
1,2,4-Trichlorobenzene	ND		4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C	
1,2,4-Trimethylbenzene	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND		4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C	
1,2-Dibromoethane	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
1,2-Dichlorobenzene	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
1,2-Dichloroethane	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
1,2-Dichloropropane	ND		4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C	
1,3,5-Trimethylbenzene	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
1,3-Dichlorobenzene	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
1,3-Dichloropropane	ND		4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C	
1,4-Dichlorobenzene	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
2,2-Dichloropropane	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
2-Chlorotoluene	ND		4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C	
2-Hexanone	ND		22	4.4	ug/Kg	1	05/05/23	HM	SW8260C	
2-Isopropyltoluene	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	1
4-Chlorotoluene	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
4-Methyl-2-pentanone	ND		22	4.4	ug/Kg	1	05/05/23	HM	SW8260C	
Acetone	42	S	22	4.4	ug/Kg	1	05/05/23	HM	SW8260C	
Acrylonitrile	ND		8.8	0.88	ug/Kg	1	05/05/23	HM	SW8260C	
Benzene	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
Bromobenzene	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
Bromochloromethane	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
Bromodichloromethane	ND		4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C	
Bromoform	ND		4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C	
Bromomethane	ND		4.4	1.8	ug/Kg	1	05/05/23	HM	SW8260C	
Carbon Disulfide	ND		4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C	
Carbon tetrachloride	ND		4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C	
Chlorobenzene	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
Chloroethane	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
Chloroform	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
Chloromethane	ND		4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C	
cis-1,2-Dichloroethene	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
cis-1,3-Dichloropropene	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
Dibromochloromethane	ND		4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C	
Dibromomethane	ND		4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C	
Dichlorodifluoromethane	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
Ethylbenzene	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	
Hexachlorobutadiene	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C	

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: SB5 (3-5`)

Phoenix I.D.: CN95054

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Isopropylbenzene	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C
m&p-Xylene	ND		4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C
Methyl Ethyl Ketone	ND		26	4.4	ug/Kg	1	05/05/23	HM	SW8260C
Methyl t-butyl ether (MTBE)	ND		8.8	0.88	ug/Kg	1	05/05/23	HM	SW8260C
Methylene chloride	ND		4.4	4.4	ug/Kg	1	05/05/23	HM	SW8260C
Naphthalene	ND		4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C
n-Butylbenzene	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C
n-Propylbenzene	ND		4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C
o-Xylene	ND		4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C
p-Isopropyltoluene	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C
sec-Butylbenzene	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C
Styrene	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C
tert-Butylbenzene	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C
Tetrachloroethene	ND		4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C
Tetrahydrofuran (THF)	3.7	J	8.8	2.2	ug/Kg	1	05/05/23	HM	SW8260C
Toluene	0.44	J	4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C
trans-1,2-Dichloroethene	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C
trans-1,3-Dichloropropene	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C
trans-1,4-dichloro-2-butene	ND		8.8	2.2	ug/Kg	1	05/05/23	HM	SW8260C
Trichloroethene	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C
Trichlorofluoromethane	ND		4.4	0.88	ug/Kg	1	05/05/23	HM	SW8260C
Trichlorotrifluoroethane	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C
Vinyl chloride	ND		4.4	0.44	ug/Kg	1	05/05/23	HM	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	103				%	1	05/05/23	HM	70 - 130 %
% Bromofluorobenzene	88				%	1	05/05/23	HM	70 - 130 %
% Dibromofluoromethane	98				%	1	05/05/23	HM	70 - 130 %
% Toluene-d8	95				%	1	05/05/23	HM	70 - 130 %
1,4-dioxane									
1,4-dioxane	ND		66		ug/kg	1	05/05/23	HM	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	103				%	1	05/05/23	HM	70 - 130 %
% Bromofluorobenzene	88				%	1	05/05/23	HM	70 - 130 %
% Dibromofluoromethane	98				%	1	05/05/23	HM	70 - 130 %
% Toluene-d8	95				%	1	05/05/23	HM	70 - 130 %
Volatiles									
1,1,1,2-Tetrachloroethane	ND		18		ug/Kg	1	05/05/23	HM	SW8260C
Acrolein	ND		4.4		ug/Kg	1	05/05/23	HM	SW8260C
Acrylonitrile	ND		18		ug/Kg	1	05/05/23	HM	SW8260C
Tert-butyl alcohol	ND		88		ug/Kg	1	05/05/23	HM	SW8260C
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND		280	140	ug/Kg	1	05/06/23	KCA	SW8270D
1,2,4-Trichlorobenzene	ND		280	120	ug/Kg	1	05/06/23	KCA	SW8270D
1,2-Dichlorobenzene	ND		280	110	ug/Kg	1	05/06/23	KCA	SW8270D
1,2-Diphenylhydrazine	ND		280	130	ug/Kg	1	05/06/23	KCA	SW8270D
1,3-Dichlorobenzene	ND		280	120	ug/Kg	1	05/06/23	KCA	SW8270D
1,4-Dichlorobenzene	ND		280	120	ug/Kg	1	05/06/23	KCA	SW8270D

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: SB5 (3-5`)

Phoenix I.D.: CN95054

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,2'-Oxybis(1-Chloropropane)	ND		280	110	ug/Kg	1	05/06/23	KCA	SW8270D	1
2,4,5-Trichlorophenol	ND		280	220	ug/Kg	1	05/06/23	KCA	SW8270D	
2,4,6-Trichlorophenol	ND		200	130	ug/Kg	1	05/06/23	KCA	SW8270D	
2,4-Dichlorophenol	ND		200	140	ug/Kg	1	05/06/23	KCA	SW8270D	
2,4-Dimethylphenol	ND		280	98	ug/Kg	1	05/06/23	KCA	SW8270D	
2,4-Dinitrophenol	ND		280	280	ug/Kg	1	05/06/23	KCA	SW8270D	
2,4-Dinitrotoluene	ND		200	160	ug/Kg	1	05/06/23	KCA	SW8270D	
2,6-Dinitrotoluene	ND		200	120	ug/Kg	1	05/06/23	KCA	SW8270D	
2-Chloronaphthalene	ND		280	110	ug/Kg	1	05/06/23	KCA	SW8270D	
2-Chlorophenol	ND		280	110	ug/Kg	1	05/06/23	KCA	SW8270D	
2-Methylnaphthalene	ND		280	120	ug/Kg	1	05/06/23	KCA	SW8270D	
2-Methylphenol (o-cresol)	ND		280	190	ug/Kg	1	05/06/23	KCA	SW8270D	
2-Nitroaniline	ND		280	280	ug/Kg	1	05/06/23	KCA	SW8270D	
2-Nitrophenol	ND		280	250	ug/Kg	1	05/06/23	KCA	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		280	160	ug/Kg	1	05/06/23	KCA	SW8270D	1
3,3'-Dichlorobenzidine	ND		200	190	ug/Kg	1	05/06/23	KCA	SW8270D	
3-Nitroaniline	ND		390	790	ug/Kg	1	05/06/23	KCA	SW8270D	
4,6-Dinitro-2-methylphenol	ND		240	79	ug/Kg	1	05/06/23	KCA	SW8270D	
4-Bromophenyl phenyl ether	ND		280	120	ug/Kg	1	05/06/23	KCA	SW8270D	
4-Chloro-3-methylphenol	ND		280	140	ug/Kg	1	05/06/23	KCA	SW8270D	
4-Chloroaniline	ND		320	180	ug/Kg	1	05/06/23	KCA	SW8270D	
4-Chlorophenyl phenyl ether	ND		280	130	ug/Kg	1	05/06/23	KCA	SW8270D	
4-Nitroaniline	ND		390	130	ug/Kg	1	05/06/23	KCA	SW8270D	
4-Nitrophenol	ND		390	180	ug/Kg	1	05/06/23	KCA	SW8270D	
Acenaphthene	ND		280	120	ug/Kg	1	05/06/23	KCA	SW8270D	
Acenaphthylene	ND		280	110	ug/Kg	1	05/06/23	KCA	SW8270D	
Acetophenone	ND		280	120	ug/Kg	1	05/06/23	KCA	SW8270D	
Aniline	ND		320	320	ug/Kg	1	05/06/23	KCA	SW8270D	
Anthracene	140	J	280	130	ug/Kg	1	05/06/23	KCA	SW8270D	
Benz(a)anthracene	410		280	130	ug/Kg	1	05/06/23	KCA	SW8270D	
Benzidine	ND		390	230	ug/Kg	1	05/06/23	KCA	SW8270D	
Benzo(a)pyrene	420		200	130	ug/Kg	1	05/06/23	KCA	SW8270D	
Benzo(b)fluoranthene	490		280	130	ug/Kg	1	05/06/23	KCA	SW8270D	
Benzo(ghi)perylene	240	J	280	130	ug/Kg	1	05/06/23	KCA	SW8270D	
Benzo(k)fluoranthene	170	J	280	130	ug/Kg	1	05/06/23	KCA	SW8270D	
Benzoic acid	ND		2000	790	ug/Kg	1	05/06/23	KCA	SW8270D	
Benzyl butyl phthalate	ND		280	100	ug/Kg	1	05/06/23	KCA	SW8270D	
Bis(2-chloroethoxy)methane	ND		280	110	ug/Kg	1	05/06/23	KCA	SW8270D	
Bis(2-chloroethyl)ether	ND		200	110	ug/Kg	1	05/06/23	KCA	SW8270D	
Bis(2-ethylhexyl)phthalate	ND		280	110	ug/Kg	1	05/06/23	KCA	SW8270D	
Carbazole	ND		200	160	ug/Kg	1	05/06/23	KCA	SW8270D	
Chrysene	420		280	130	ug/Kg	1	05/06/23	KCA	SW8270D	
Dibenz(a,h)anthracene	ND		200	130	ug/Kg	1	05/06/23	KCA	SW8270D	
Dibenzofuran	ND		280	120	ug/Kg	1	05/06/23	KCA	SW8270D	
Diethyl phthalate	ND		280	120	ug/Kg	1	05/06/23	KCA	SW8270D	
Dimethylphthalate	ND		280	120	ug/Kg	1	05/06/23	KCA	SW8270D	
Di-n-butylphthalate	ND		280	100	ug/Kg	1	05/06/23	KCA	SW8270D	
Di-n-octylphthalate	ND		280	100	ug/Kg	1	05/06/23	KCA	SW8270D	
Fluoranthene	770		280	130	ug/Kg	1	05/06/23	KCA	SW8270D	

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: SB5 (3-5`)

Phoenix I.D.: CN95054

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Fluorene	ND		280	130	ug/Kg	1	05/06/23	KCA	SW8270D
Hexachlorobenzene	ND		200	120	ug/Kg	1	05/06/23	KCA	SW8270D
Hexachlorobutadiene	ND		280	140	ug/Kg	1	05/06/23	KCA	SW8270D
Hexachlorocyclopentadiene	ND		280	120	ug/Kg	1	05/06/23	KCA	SW8270D
Hexachloroethane	ND		200	120	ug/Kg	1	05/06/23	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	260	J	280	130	ug/Kg	1	05/06/23	KCA	SW8270D
Isophorone	ND		200	110	ug/Kg	1	05/06/23	KCA	SW8270D
Naphthalene	ND		280	110	ug/Kg	1	05/06/23	KCA	SW8270D
Nitrobenzene	ND		200	140	ug/Kg	1	05/06/23	KCA	SW8270D
N-Nitrosodimethylamine	ND		280	110	ug/Kg	1	05/06/23	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND		200	130	ug/Kg	1	05/06/23	KCA	SW8270D
N-Nitrosodiphenylamine	ND		280	150	ug/Kg	1	05/06/23	KCA	SW8270D
Pentachloronitrobenzene	ND		280	150	ug/Kg	1	05/06/23	KCA	SW8270D
Pentachlorophenol	ND		240	150	ug/Kg	1	05/06/23	KCA	SW8270D
Phenanthrene	630		280	110	ug/Kg	1	05/06/23	KCA	SW8270D
Phenol	ND		280	130	ug/Kg	1	05/06/23	KCA	SW8270D
Pyrene	680		280	140	ug/Kg	1	05/06/23	KCA	SW8270D
Pyridine	ND		280	97	ug/Kg	1	05/06/23	KCA	SW8270D
QA/QC Surrogates									
% 2,4,6-Tribromophenol	75				%	1	05/06/23	KCA	30 - 130 %
% 2-Fluorobiphenyl	73				%	1	05/06/23	KCA	30 - 130 %
% 2-Fluorophenol	55				%	1	05/06/23	KCA	30 - 130 %
% Nitrobenzene-d5	81				%	1	05/06/23	KCA	30 - 130 %
% Phenol-d5	67				%	1	05/06/23	KCA	30 - 130 %
% Terphenyl-d14	65				%	1	05/06/23	KCA	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:

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

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.

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

May 11, 2023

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

May 11, 2023

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:	TG	05/01/23	10:40
Location Code:	BRUSSEE	Received by:	CP	05/01/23	18:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN95050
Phoenix ID: CN95055

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: SB6 (1-3`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	0.59	0.41		mg/Kg	1	05/05/23	TH	SW6010D	
Aluminum	4610	41		mg/Kg	10	05/05/23	CPP	SW6010D	
Arsenic	54.4	0.83		mg/Kg	1	05/05/23	CPP	SW6010D	
Barium	1110	0.8		mg/Kg	1	05/05/23	TH	SW6010D	
Beryllium	0.46	0.33		mg/Kg	1	05/05/23	CPP	SW6010D	
Calcium	40000	41		mg/Kg	10	05/05/23	CPP	SW6010D	
Cadmium	3.27	0.41		mg/Kg	1	05/05/23	CPP	SW6010D	
Cobalt	6.75	0.41		mg/Kg	1	05/05/23	CPP	SW6010D	
Chromium	31.2	0.41		mg/Kg	1	05/05/23	CPP	SW6010D	
Copper	151	0.8		mg/kg	1	05/05/23	CPP	SW6010D	
Iron	16800	41		mg/Kg	10	05/05/23	CPP	SW6010D	
Mercury	1.35	0.03		mg/Kg	2	05/02/23	AL1	SW7471B	
Potassium	832	8		mg/Kg	1	05/05/23	CPP	SW6010D	
Magnesium	2520	4.1		mg/Kg	1	05/05/23	CPP	SW6010D	
Manganese	381	4.1		mg/Kg	10	05/05/23	CPP	SW6010D	
Sodium	217	8		mg/Kg	1	05/05/23	CPP	SW6010D	
Nickel	27.9	0.41		mg/Kg	1	05/05/23	CPP	SW6010D	
Lead	2610	83		mg/Kg	100	05/09/23	TH	SW6010D	
Antimony	8.0	4.1		mg/Kg	1	05/05/23	TH	SW6010D	
Selenium	< 1.7	1.7		mg/Kg	1	05/05/23	CPP	SW6010D	
Thallium	< 1.7	1.7		mg/Kg	1	05/05/23	CPP	SW6010D	
Vanadium	34.2	0.41		mg/Kg	1	05/05/23	CPP	SW6010D	
Zinc	2590	83		mg/Kg	100	05/09/23	TH	SW6010D	
Percent Solid	83			%		05/01/23	CV	SW846-%Solid	
Field Extraction	Completed					05/01/23		SW5035A	1
Mercury Digestion	Completed					05/02/23	/D	SW7471B	
Soil Extraction for SVOA	Completed					05/05/23	MO/P	SW3546	

Ver 1

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: SB6 (1-3`)

Phoenix I.D.: CN95055

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Total Metals Digest	Completed						05/03/23	L/AG	SW3050B	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		6.4	1.3	ug/Kg	1	05/05/23	HM	SW8260C	
1,1,1-Trichloroethane	ND		6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C	
1,1,2,2-Tetrachloroethane	ND		6.4	1.3	ug/Kg	1	05/05/23	HM	SW8260C	
1,1,2-Trichloroethane	ND		6.4	1.3	ug/Kg	1	05/05/23	HM	SW8260C	
1,1-Dichloroethane	ND		6.4	1.3	ug/Kg	1	05/05/23	HM	SW8260C	
1,1-Dichloroethene	ND		6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C	
1,1-Dichloropropene	ND		6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C	
1,2,3-Trichlorobenzene	ND		6.4	1.3	ug/Kg	1	05/05/23	HM	SW8260C	
1,2,3-Trichloropropane	ND		6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C	
1,2,4-Trichlorobenzene	ND		6.4	1.3	ug/Kg	1	05/05/23	HM	SW8260C	
1,2,4-Trimethylbenzene	ND		6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND		6.4	1.3	ug/Kg	1	05/05/23	HM	SW8260C	
1,2-Dibromoethane	ND		6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C	
1,2-Dichlorobenzene	ND		6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C	
1,2-Dichloroethane	ND		6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C	
1,2-Dichloropropane	ND		6.4	1.3	ug/Kg	1	05/05/23	HM	SW8260C	
1,3,5-Trimethylbenzene	ND		6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C	
1,3-Dichlorobenzene	ND		6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C	
1,3-Dichloropropane	ND		6.4	1.3	ug/Kg	1	05/05/23	HM	SW8260C	
1,4-Dichlorobenzene	ND		6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C	
2,2-Dichloropropane	ND		6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C	
2-Chlorotoluene	ND		6.4	1.3	ug/Kg	1	05/05/23	HM	SW8260C	
2-Hexanone	ND		32	6.4	ug/Kg	1	05/05/23	HM	SW8260C	
2-Isopropyltoluene	ND		6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C	1
4-Chlorotoluene	ND		6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C	
4-Methyl-2-pentanone	ND		32	6.4	ug/Kg	1	05/05/23	HM	SW8260C	
Acetone	33	S	32	6.4	ug/Kg	1	05/05/23	HM	SW8260C	
Acrylonitrile	ND		13	1.3	ug/Kg	1	05/05/23	HM	SW8260C	
Benzene	ND		6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C	
Bromobenzene	ND		6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C	
Bromochloromethane	ND		6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C	
Bromodichloromethane	ND		6.4	1.3	ug/Kg	1	05/05/23	HM	SW8260C	
Bromoform	ND		6.4	1.3	ug/Kg	1	05/05/23	HM	SW8260C	
Bromomethane	ND		6.4	2.6	ug/Kg	1	05/05/23	HM	SW8260C	
Carbon Disulfide	ND		6.4	1.3	ug/Kg	1	05/05/23	HM	SW8260C	
Carbon tetrachloride	ND		6.4	1.3	ug/Kg	1	05/05/23	HM	SW8260C	
Chlorobenzene	ND		6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C	
Chloroethane	ND		6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C	
Chloroform	ND		6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C	
Chloromethane	ND		6.4	1.3	ug/Kg	1	05/05/23	HM	SW8260C	
cis-1,2-Dichloroethene	ND		6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C	
cis-1,3-Dichloropropene	ND		6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C	
Dibromochloromethane	ND		6.4	1.3	ug/Kg	1	05/05/23	HM	SW8260C	
Dibromomethane	ND		6.4	1.3	ug/Kg	1	05/05/23	HM	SW8260C	
Dichlorodifluoromethane	ND		6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C	
Ethylbenzene	ND		6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C	
Hexachlorobutadiene	ND		6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C	

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: SB6 (1-3`)

Phoenix I.D.: CN95055

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Isopropylbenzene	ND	6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C
m&p-Xylene	ND	6.4	1.3	ug/Kg	1	05/05/23	HM	SW8260C
Methyl Ethyl Ketone	ND	39	6.4	ug/Kg	1	05/05/23	HM	SW8260C
Methyl t-butyl ether (MTBE)	ND	13	1.3	ug/Kg	1	05/05/23	HM	SW8260C
Methylene chloride	ND	6.4	6.4	ug/Kg	1	05/05/23	HM	SW8260C
Naphthalene	ND	6.4	1.3	ug/Kg	1	05/05/23	HM	SW8260C
n-Butylbenzene	ND	6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C
n-Propylbenzene	ND	6.4	1.3	ug/Kg	1	05/05/23	HM	SW8260C
o-Xylene	ND	6.4	1.3	ug/Kg	1	05/05/23	HM	SW8260C
p-Isopropyltoluene	ND	6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C
sec-Butylbenzene	ND	6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C
Styrene	ND	6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C
tert-Butylbenzene	ND	6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C
Tetrachloroethene	ND	6.4	1.3	ug/Kg	1	05/05/23	HM	SW8260C
Tetrahydrofuran (THF)	ND	13	3.2	ug/Kg	1	05/05/23	HM	SW8260C
Toluene	ND	6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C
trans-1,2-Dichloroethene	ND	6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C
trans-1,3-Dichloropropene	ND	6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C
trans-1,4-dichloro-2-butene	ND	13	3.2	ug/Kg	1	05/05/23	HM	SW8260C
Trichloroethene	ND	6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C
Trichlorofluoromethane	ND	6.4	1.3	ug/Kg	1	05/05/23	HM	SW8260C
Trichlorotrifluoroethane	ND	6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C
Vinyl chloride	ND	6.4	0.64	ug/Kg	1	05/05/23	HM	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101			%	1	05/05/23	HM	70 - 130 %
% Bromofluorobenzene	93			%	1	05/05/23	HM	70 - 130 %
% Dibromofluoromethane	100			%	1	05/05/23	HM	70 - 130 %
% Toluene-d8	95			%	1	05/05/23	HM	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	97		ug/kg	1	05/05/23	HM	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101			%	1	05/05/23	HM	70 - 130 %
% Bromofluorobenzene	93			%	1	05/05/23	HM	70 - 130 %
% Dibromofluoromethane	100			%	1	05/05/23	HM	70 - 130 %
% Toluene-d8	95			%	1	05/05/23	HM	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	26		ug/Kg	1	05/05/23	HM	SW8260C
Acrolein	ND	6.4		ug/Kg	1	05/05/23	HM	SW8260C
Acrylonitrile	ND	26		ug/Kg	1	05/05/23	HM	SW8260C
Tert-butyl alcohol	ND	130		ug/Kg	1	05/05/23	HM	SW8260C
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	280	140	ug/Kg	1	05/06/23	HM	SW8270D
1,2,4-Trichlorobenzene	ND	280	120	ug/Kg	1	05/06/23	HM	SW8270D
1,2-Dichlorobenzene	ND	280	110	ug/Kg	1	05/06/23	HM	SW8270D
1,2-Diphenylhydrazine	ND	280	130	ug/Kg	1	05/06/23	HM	SW8270D
1,3-Dichlorobenzene	ND	280	120	ug/Kg	1	05/06/23	HM	SW8270D
1,4-Dichlorobenzene	ND	280	120	ug/Kg	1	05/06/23	HM	SW8270D

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: SB6 (1-3`)

Phoenix I.D.: CN95055

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,2'-Oxybis(1-Chloropropane)	ND		280	110	ug/Kg	1	05/06/23	HM	SW8270D	1
2,4,5-Trichlorophenol	ND		280	220	ug/Kg	1	05/06/23	HM	SW8270D	
2,4,6-Trichlorophenol	ND		200	130	ug/Kg	1	05/06/23	HM	SW8270D	
2,4-Dichlorophenol	ND		200	140	ug/Kg	1	05/06/23	HM	SW8270D	
2,4-Dimethylphenol	ND		280	98	ug/Kg	1	05/06/23	HM	SW8270D	
2,4-Dinitrophenol	ND		280	280	ug/Kg	1	05/06/23	HM	SW8270D	
2,4-Dinitrotoluene	ND		200	160	ug/Kg	1	05/06/23	HM	SW8270D	
2,6-Dinitrotoluene	ND		200	120	ug/Kg	1	05/06/23	HM	SW8270D	
2-Chloronaphthalene	ND		280	110	ug/Kg	1	05/06/23	HM	SW8270D	
2-Chlorophenol	ND		280	110	ug/Kg	1	05/06/23	HM	SW8270D	
2-Methylnaphthalene	3100		280	120	ug/Kg	1	05/06/23	HM	SW8270D	
2-Methylphenol (o-cresol)	ND		280	190	ug/Kg	1	05/06/23	HM	SW8270D	
2-Nitroaniline	ND		280	280	ug/Kg	1	05/06/23	HM	SW8270D	
2-Nitrophenol	ND		280	250	ug/Kg	1	05/06/23	HM	SW8270D	
3&4-Methylphenol (m&p-cresol)	200	J	280	160	ug/Kg	1	05/06/23	HM	SW8270D	1
3,3'-Dichlorobenzidine	ND		200	190	ug/Kg	1	05/06/23	HM	SW8270D	
3-Nitroaniline	ND		390	790	ug/Kg	1	05/06/23	HM	SW8270D	
4,6-Dinitro-2-methylphenol	ND		240	79	ug/Kg	1	05/06/23	HM	SW8270D	
4-Bromophenyl phenyl ether	ND		280	120	ug/Kg	1	05/06/23	HM	SW8270D	
4-Chloro-3-methylphenol	ND		280	140	ug/Kg	1	05/06/23	HM	SW8270D	
4-Chloroaniline	ND		320	180	ug/Kg	1	05/06/23	HM	SW8270D	
4-Chlorophenyl phenyl ether	ND		280	130	ug/Kg	1	05/06/23	HM	SW8270D	
4-Nitroaniline	ND		390	130	ug/Kg	1	05/06/23	HM	SW8270D	
4-Nitrophenol	ND		390	180	ug/Kg	1	05/06/23	HM	SW8270D	
Acenaphthene	7600		280	120	ug/Kg	1	05/06/23	HM	SW8270D	
Acenaphthylene	1800		280	110	ug/Kg	1	05/06/23	HM	SW8270D	
Acetophenone	ND		280	120	ug/Kg	1	05/06/23	HM	SW8270D	
Aniline	ND		320	320	ug/Kg	1	05/06/23	HM	SW8270D	
Anthracene	14000		1400	650	ug/Kg	5	05/08/23	HM	SW8270D	
Benz(a)anthracene	21000		1400	660	ug/Kg	5	05/08/23	HM	SW8270D	
Benzidine	ND		390	230	ug/Kg	1	05/06/23	HM	SW8270D	
Benzo(a)pyrene	21000		980	640	ug/Kg	5	05/08/23	HM	SW8270D	
Benzo(b)fluoranthene	22000		1400	670	ug/Kg	5	05/08/23	HM	SW8270D	
Benzo(ghi)perylene	9400		1400	640	ug/Kg	5	05/08/23	HM	SW8270D	
Benzo(k)fluoranthene	5600		280	130	ug/Kg	1	05/06/23	HM	SW8270D	
Benzoic acid	ND		2000	790	ug/Kg	1	05/06/23	HM	SW8270D	
Benzyl butyl phthalate	ND		280	100	ug/Kg	1	05/06/23	HM	SW8270D	
Bis(2-chloroethoxy)methane	ND		280	110	ug/Kg	1	05/06/23	HM	SW8270D	
Bis(2-chloroethyl)ether	ND		200	110	ug/Kg	1	05/06/23	HM	SW8270D	
Bis(2-ethylhexyl)phthalate	510		280	110	ug/Kg	1	05/06/23	HM	SW8270D	
Carbazole	3600		200	160	ug/Kg	1	05/06/23	HM	SW8270D	
Chrysene	20000		1400	660	ug/Kg	5	05/08/23	HM	SW8270D	
Dibenz(a,h)anthracene	2200		200	130	ug/Kg	1	05/06/23	HM	SW8270D	
Dibenzofuran	4700		280	110	ug/Kg	1	05/06/23	HM	SW8270D	
Diethyl phthalate	ND		280	120	ug/Kg	1	05/06/23	HM	SW8270D	
Dimethylphthalate	ND		280	120	ug/Kg	1	05/06/23	HM	SW8270D	
Di-n-butylphthalate	ND		280	100	ug/Kg	1	05/06/23	HM	SW8270D	
Di-n-octylphthalate	ND		280	100	ug/Kg	1	05/06/23	HM	SW8270D	
Fluoranthene	46000		6900	3200	ug/Kg	25	05/09/23	HM	SW8270D	

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: SB6 (1-3`)

Phoenix I.D.: CN95055

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Fluorene	7100	280	130	ug/Kg	1	05/06/23	HM	SW8270D
Hexachlorobenzene	ND	200	110	ug/Kg	1	05/06/23	HM	SW8270D
Hexachlorobutadiene	ND	280	140	ug/Kg	1	05/06/23	HM	SW8270D
Hexachlorocyclopentadiene	ND	280	120	ug/Kg	1	05/06/23	HM	SW8270D
Hexachloroethane	ND	200	120	ug/Kg	1	05/06/23	HM	SW8270D
Indeno(1,2,3-cd)pyrene	10000	1400	650	ug/Kg	5	05/08/23	HM	SW8270D
Isophorone	ND	200	110	ug/Kg	1	05/06/23	HM	SW8270D
Naphthalene	6000	280	110	ug/Kg	1	05/06/23	HM	SW8270D
Nitrobenzene	ND	200	140	ug/Kg	1	05/06/23	HM	SW8270D
N-Nitrosodimethylamine	ND	280	110	ug/Kg	1	05/06/23	HM	SW8270D
N-Nitrosodi-n-propylamine	ND	200	130	ug/Kg	1	05/06/23	HM	SW8270D
N-Nitrosodiphenylamine	ND	280	150	ug/Kg	1	05/06/23	HM	SW8270D
Pentachloronitrobenzene	ND	280	150	ug/Kg	1	05/06/23	HM	SW8270D
Pentachlorophenol	ND	240	150	ug/Kg	1	05/06/23	HM	SW8270D
Phenanthrene	57000	6900	2800	ug/Kg	25	05/09/23	HM	SW8270D
Phenol	ND	280	130	ug/Kg	1	05/06/23	HM	SW8270D
Pyrene	41000	6900	3400	ug/Kg	25	05/09/23	HM	SW8270D
Pyridine	ND	280	97	ug/Kg	1	05/06/23	HM	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	112			%	1	05/06/23	HM	30 - 130 %
% 2-Fluorobiphenyl	72			%	1	05/06/23	HM	30 - 130 %
% 2-Fluorophenol	59			%	1	05/06/23	HM	30 - 130 %
% Nitrobenzene-d5	95			%	1	05/06/23	HM	30 - 130 %
% Phenol-d5	74			%	1	05/06/23	HM	30 - 130 %
% Terphenyl-d14	63			%	1	05/06/23	HM	30 - 130 %
% 2,4,6-Tribromophenol (5x)	111			%	5	05/08/23	HM	30 - 130 %
% 2-Fluorobiphenyl (5x)	83			%	5	05/08/23	HM	30 - 130 %
% 2-Fluorophenol (5x)	69			%	5	05/08/23	HM	30 - 130 %
% Nitrobenzene-d5 (5x)	77			%	5	05/08/23	HM	30 - 130 %
% Phenol-d5 (5x)	79			%	5	05/08/23	HM	30 - 130 %
% Terphenyl-d14 (5x)	82			%	5	05/08/23	HM	30 - 130 %
% 2-Fluorobiphenyl (25x)	Diluted Out			%	25	05/09/23	HM	30 - 130 %
% Nitrobenzene-d5 (25x)	Diluted Out			%	25	05/09/23	HM	30 - 130 %
% Terphenyl-d14 (25x)	Diluted Out			%	25	05/09/23	HM	30 - 130 %

Project ID: 172 THIRD AVENUE BROOKLYN
Client ID: SB6 (1-3`)

Phoenix I.D.: CN95055

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:

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

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.

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

May 11, 2023

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

NY # 11301

QA/QC Report

May 11, 2023

QA/QC Data

SDG I.D.: GCN95050

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 675588 (mg/kg), QC Sample No: CN95027 2X (CN95050, CN95051, CN95052, CN95053, CN95054, CN95055)														
Mercury - Soil	BRL	0.03	3.90	0.47	157	102	109	6.6	NC	NC	NC	70 - 130	30	r
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 675748 (mg/kg), QC Sample No: CN94956 (CN95050)														
ICP Metals - Soil														
Aluminum	BRL	5.0	9480	10700	12.1	110	117	6.2	NC			75 - 125	35	
Antimony	BRL	3.3	<3.1	<3.2	NC	108	118	8.8	88.7			75 - 125	35	
Arsenic	BRL	0.67	1.42	1.34	NC	98.6	108	9.1	95.1			75 - 125	35	
Barium	BRL	0.33	62.0	73.2	16.6	102	112	9.3	114			75 - 125	35	
Beryllium	BRL	0.27	<0.25	0.30	NC	99.4	109	9.2	89.5			75 - 125	35	
Cadmium	BRL	0.33	0.67	0.79	NC	96.0	107	10.8	95.9			75 - 125	35	
Calcium	BRL	5.0	6310	6680	5.70	102	112	9.3	NC			75 - 125	35	
Chromium	BRL	0.33	21.8	21.5	1.40	101	112	10.3	95.4			75 - 125	35	
Cobalt	BRL	0.33	10.2	11.1	8.50	98.7	108	9.0	95.9			75 - 125	35	
Copper	BRL	0.67	31.1	36.8	16.8	101	111	9.4	92.8			75 - 125	35	
Iron	BRL	5.0	20100	23800	16.9	102	109	6.6	NC			75 - 125	35	
Lead	BRL	0.33	12.7	9.04	33.7	93.4	102	8.8	97.9			75 - 125	35	
Magnesium	BRL	5.0	5090	6100	18.1	105	112	6.5	NC			75 - 125	35	
Manganese	BRL	0.33	253	363	35.7	99.0	104	4.9	>130			75 - 125	35	m,r
Nickel	BRL	0.33	13.5	16.0	16.9	98.7	109	9.9	97.0			75 - 125	35	
Potassium	BRL	5.0	1860	2240	18.5	103	109	5.7	>130			75 - 125	35	m
Selenium	BRL	1.3	<1.3	<1.3	NC	105	114	8.2	90.7			75 - 125	35	
Silver	BRL	0.33	<0.31	<0.32	NC	101	109	7.6	95.1			75 - 125	35	
Sodium	BRL	5.0	723	636	12.8	94.4	100	5.8	122			75 - 125	35	
Thallium	BRL	3.0	<2.8	<2.9	NC	98.5	107	8.3	93.4			75 - 125	35	
Vanadium	BRL	0.33	48.1	51.2	6.20	102	112	9.3	100			75 - 125	35	
Zinc	BRL	0.67	41.6	49.0	16.3	103	111	7.5	97.9			75 - 125	35	
Comment:														
Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.														
QA/QC Batch 675893 (mg/kg), QC Sample No: CN95052 (CN95052, CN95053, CN95054, CN95055)														
ICP Metals - Soil														
Aluminum	BRL	5.0	6430	6880	6.80	103	101	2.0	NC			75 - 125	35	
Antimony	BRL	3.3	<4.1	<4.0	NC	102	101	1.0	85.9			75 - 125	35	
Arsenic	BRL	0.67	5.83	6.66	13.3	97.1	95.5	1.7	93.1			75 - 125	35	
Barium	BRL	0.33	119	162	30.6	104	104	0.0	>130			75 - 125	35	m
Beryllium	BRL	0.27	0.45	0.58	NC	101	101	0.0	91.8			75 - 125	35	
Cadmium	BRL	0.33	0.72	0.71	NC	109	111	1.8	95.9			75 - 125	35	
Calcium	BRL	5.0	5010	4440	12.1				NC			75 - 125	35	
Chromium	BRL	0.33	12.9	12.9	0	102	102	0.0	95.3			75 - 125	35	
Cobalt	BRL	0.33	7.30	7.37	1.00	101	101	0.0	98.1			75 - 125	35	
Copper	BRL	0.67	57.3	59.0	2.90	97.4	94.2	3.3	103			75 - 125	35	

QA/QC Data

SDG I.D.: GCN95050

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Iron	BRL	5.0	14500	12900	11.7	93.6	89.4	4.6	NC			75 - 125	35	
Lead	BRL	0.33	1710	4310	86.4	95.0	92.4	2.8	>130			75 - 125	35	m,r
Magnesium	BRL	5.0	1110	1010	9.40	102	100	2.0	NC			75 - 125	35	
Manganese	BRL	0.33	170	163	4.20	97.7	97.4	0.3	90.3			75 - 125	35	
Nickel	BRL	0.33	16.7	15.0	10.7	102	104	1.9	99.1			75 - 125	35	
Potassium	BRL	5.0	837	696	18.4	97.2	95.7	1.6	105			75 - 125	35	
Selenium	BRL	1.3	<1.6	<1.6	NC	101	101	0.0	95.7			75 - 125	35	
Silver	BRL	0.33	0.47	<0.40	NC	95.2	91.2	4.3	91.2			75 - 125	35	
Sodium	BRL	5.0	534	698	26.6	95.9	93.1	3.0	NC			75 - 125	35	
Thallium	BRL	3.0	<1.6	<3.6	NC	102	102	0.0	89.1			75 - 125	35	
Vanadium	BRL	0.33	18.9	22.7	18.3	103	101	2.0	98.8			75 - 125	35	
Zinc	BRL	0.67	66.4	72.2	8.40	104	99.6	4.3	114			75 - 125	35	

Comment:

Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.

QA/QC Batch 675747 (mg/kg), QC Sample No: CN95974 (CN95051)

ICP Metals - Soil

Aluminum	1.0	5.0	1590	1600	0.60	107	102	4.8	NC			75 - 125	35	
Antimony	BRL	3.3	<3.7	<3.9	NC	107	102	4.8	98.4			75 - 125	35	
Arsenic	BRL	0.67	1.17	0.94	NC	103	97.7	5.3	95.4			75 - 125	35	
Barium	BRL	0.33	9.5	8.27	13.8	106	100	5.8	101			75 - 125	35	
Beryllium	BRL	0.27	<0.30	<0.31	NC	104	98.1	5.8	94.0			75 - 125	35	
Cadmium	BRL	0.33	<0.37	<0.39	NC	103	96.2	6.8	93.0			75 - 125	35	
Calcium	BRL	5.0	6830	5640	19.1	95.0	88.8	6.7	NC			75 - 125	35	
Chromium	BRL	0.33	4.54	4.31	5.20	104	99.3	4.6	97.8			75 - 125	35	
Cobalt	BRL	0.33	1.48	1.45	NC	103	97.3	5.7	96.2			75 - 125	35	
Copper	BRL	0.67	4.4	6.28	35.2	107	100	6.8	101			75 - 125	35	
Iron	BRL	5.0	4140	4740	13.5	98.5	93.2	5.5	NC			75 - 125	35	
Lead	BRL	0.33	2.9	3.02	NC	99.1	92.4	7.0	98.6			75 - 125	35	
Magnesium	BRL	5.0	839	645	26.1	109	100	8.6	NC			75 - 125	35	
Manganese	BRL	0.33	95.2	90.7	4.80	100	95.3	4.8	91.6			75 - 125	35	
Nickel	BRL	0.33	3.23	3.58	10.3	104	97.9	6.0	96.6			75 - 125	35	
Potassium	4.3	5.0	357	357	0	103	99.5	3.5	119			75 - 125	35	
Selenium	BRL	1.3	<1.5	<1.6	NC	106	102	3.8	98.4			75 - 125	35	
Silver	BRL	0.33	<0.37	<0.39	NC	105	97.9	7.0	98.2			75 - 125	35	
Sodium	2.9	5.0	96	90.9	5.50	101	92.4	8.9	116			75 - 125	35	
Thallium	BRL	3.0	<1.5	<3.5	NC	104	97.7	6.2	92.6			75 - 125	35	
Vanadium	BRL	0.33	5.35	4.56	15.9	105	100	4.9	98.2			75 - 125	35	
Zinc	BRL	0.67	27.0	27.5	1.80	109	101	7.6	97.2			75 - 125	35	

Comment:

Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.

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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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

May 11, 2023

QA/QC Data

SDG I.D.: GCN95050

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 676228 (ug/kg), QC Sample No: CN94969 (CN95050)											
Semivolatiles - Soil											
1,2,4,5-Tetrachlorobenzene	ND	230	74	71	4.1	63	67	6.2	40 - 140	30	
1,2,4-Trichlorobenzene	ND	230	73	64	13.1	62	65	4.7	40 - 140	30	
1,2-Dichlorobenzene	ND	180	70	57	20.5	58	63	8.3	40 - 140	30	
1,2-Diphenylhydrazine	ND	230	78	77	1.3	62	62	0.0	40 - 140	30	
1,3-Dichlorobenzene	ND	230	69	55	22.6	57	61	6.8	40 - 140	30	
1,4-Dichlorobenzene	ND	230	68	55	21.1	57	61	6.8	40 - 140	30	
2,2'-Oxybis(1-Chloropropane)	ND	230	78	67	15.2	66	71	7.3	40 - 140	30	
2,4,5-Trichlorophenol	ND	230	92	93	1.1	78	83	6.2	40 - 140	30	
2,4,6-Trichlorophenol	ND	130	94	94	0.0	79	82	3.7	30 - 130	30	
2,4-Dichlorophenol	ND	130	85	83	2.4	73	77	5.3	30 - 130	30	
2,4-Dimethylphenol	ND	230	82	79	3.7	73	76	4.0	30 - 130	30	
2,4-Dinitrophenol	ND	230	135	149	9.9	87	85	2.3	30 - 130	30	l
2,4-Dinitrotoluene	ND	130	85	92	7.9	77	79	2.6	30 - 130	30	
2,6-Dinitrotoluene	ND	130	80	86	7.2	72	78	8.0	40 - 140	30	
2-Chloronaphthalene	ND	230	79	77	2.6	66	69	4.4	40 - 140	30	
2-Chlorophenol	ND	230	79	72	9.3	66	71	7.3	30 - 130	30	
2-Methylnaphthalene	ND	230	77	74	4.0	63	68	7.6	40 - 140	30	
2-Methylphenol (o-cresol)	ND	230	76	74	2.7	64	68	6.1	40 - 140	30	
2-Nitroaniline	ND	330	100	119	17.4	80	80	0.0	40 - 140	30	
2-Nitrophenol	ND	230	92	92	0.0	90	99	9.5	40 - 140	30	
3&4-Methylphenol (m&p-cresol)	ND	230	83	81	2.4	69	74	7.0	30 - 130	30	
3,3'-Dichlorobenzidine	ND	130	58	84	36.6	40	25	46.2	40 - 140	30	m,r
3-Nitroaniline	ND	330	60	94	44.2	58	55	5.3	40 - 140	30	r
4,6-Dinitro-2-methylphenol	ND	230	112	126	11.8	83	87	4.7	30 - 130	30	
4-Bromophenyl phenyl ether	ND	230	86	84	2.4	71	74	4.1	40 - 140	30	
4-Chloro-3-methylphenol	ND	230	91	90	1.1	76	80	5.1	30 - 130	30	
4-Chloroaniline	ND	230	64	53	18.8	44	32	31.6	40 - 140	30	m,r
4-Chlorophenyl phenyl ether	ND	230	83	82	1.2	69	72	4.3	40 - 140	30	
4-Nitroaniline	ND	230	85	91	6.8	76	82	7.6	40 - 140	30	
4-Nitrophenol	ND	230	125	132	5.4	117	115	1.7	30 - 130	30	l
Acenaphthene	ND	230	83	82	1.2	70	74	5.6	30 - 130	30	
Acenaphthylene	ND	130	76	74	2.7	57	66	14.6	40 - 140	30	
Acetophenone	ND	230	73	67	8.6	60	65	8.0	40 - 140	30	
Aniline	ND	330	116	<10	NC	79	73	7.9	40 - 140	30	l
Anthracene	ND	230	84	83	1.2	67	72	7.2	40 - 140	30	
Benz(a)anthracene	ND	230	80	79	1.3	44	64	37.0	40 - 140	30	r
Benzidine	ND	330	<10	<10	NC	<10	<10	NC	40 - 140	30	l,m
Benzo(a)pyrene	ND	130	97	94	3.1	52	73	33.6	40 - 140	30	r
Benzo(b)fluoranthene	ND	160	87	84	3.5	36	67	60.2	40 - 140	30	m,r
Benzo(ghi)perylene	ND	230	91	88	3.4	48	59	20.6	40 - 140	30	
Benzo(k)fluoranthene	ND	230	82	80	2.5	51	66	25.6	40 - 140	30	

QA/QC Data

SDG I.D.: GCN95050

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Benzoic Acid	ND	670	109	120	9.6	100	112	11.3	30 - 130	30	
Benzyl butyl phthalate	ND	230	88	87	1.1	71	74	4.1	40 - 140	30	
Bis(2-chloroethoxy)methane	ND	230	75	72	4.1	63	67	6.2	40 - 140	30	
Bis(2-chloroethyl)ether	ND	130	78	63	21.3	63	68	7.6	40 - 140	30	
Bis(2-ethylhexyl)phthalate	ND	230	87	86	1.2	71	74	4.1	40 - 140	30	
Carbazole	ND	230	83	84	1.2	71	75	5.5	40 - 140	30	
Chrysene	ND	230	84	83	1.2	42	66	44.4	40 - 140	30	r
Dibenz(a,h)anthracene	ND	130	90	88	2.2	61	65	6.3	40 - 140	30	
Dibenzofuran	ND	230	81	80	1.2	67	71	5.8	40 - 140	30	
Diethyl phthalate	ND	230	84	84	0.0	69	72	4.3	40 - 140	30	
Dimethylphthalate	ND	230	86	86	0.0	69	72	4.3	40 - 140	30	
Di-n-butylphthalate	ND	670	88	86	2.3	70	74	5.6	40 - 140	30	
Di-n-octylphthalate	ND	230	99	98	1.0	81	85	4.8	40 - 140	30	
Fluoranthene	ND	230	86	85	1.2	32	68	72.0	40 - 140	30	m,r
Fluorene	ND	230	85	84	1.2	69	74	7.0	40 - 140	30	
Hexachlorobenzene	ND	130	82	80	2.5	66	70	5.9	40 - 140	30	
Hexachlorobutadiene	ND	230	74	63	16.1	64	68	6.1	40 - 140	30	
Hexachlorocyclopentadiene	ND	230	73	69	5.6	<10	<10	NC	40 - 140	30	m
Hexachloroethane	ND	130	69	56	20.8	55	54	1.8	40 - 140	30	
Indeno(1,2,3-cd)pyrene	ND	230	93	92	1.1	49	62	23.4	40 - 140	30	
Isophorone	ND	130	70	68	2.9	59	62	5.0	40 - 140	30	
Naphthalene	ND	230	72	65	10.2	58	63	8.3	40 - 140	30	
Nitrobenzene	ND	130	76	70	8.2	65	71	8.8	40 - 140	30	
N-Nitrosodimethylamine	ND	230	65	58	11.4	55	57	3.6	40 - 140	30	
N-Nitrosodi-n-propylamine	ND	130	74	70	5.6	62	65	4.7	40 - 140	30	
N-Nitrosodiphenylamine	ND	130	82	84	2.4	70	72	2.8	40 - 140	30	
Pentachloronitrobenzene	ND	230	88	89	1.1	74	61	19.3	40 - 140	30	
Pentachlorophenol	ND	230	99	97	2.0	85	91	6.8	30 - 130	30	
Phenanthrene	ND	130	83	82	1.2	66	79	17.9	40 - 140	30	
Phenol	ND	230	80	79	1.3	68	72	5.7	30 - 130	30	
Pyrene	ND	230	86	85	1.2	33	66	66.7	30 - 130	30	r
Pyridine	ND	230	62	<10	NC	43	<10	NC	40 - 140	30	l,m
% 2,4,6-Tribromophenol	87	%	94	92	2.2	79	79	0.0	30 - 130	30	
% 2-Fluorobiphenyl	72	%	78	75	3.9	65	68	4.5	30 - 130	30	
% 2-Fluorophenol	67	%	74	67	9.9	61	65	6.3	30 - 130	30	
% Nitrobenzene-d5	61	%	71	66	7.3	64	69	7.5	30 - 130	30	
% Phenol-d5	72	%	80	77	3.8	67	70	4.4	30 - 130	30	
% Terphenyl-d14	78	%	81	80	1.2	67	69	2.9	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 676385 (ug/kg), QC Sample No: CN95280 (CN95053, CN95054, CN95055)

Semivolatiles - Soil

1,2,4,5-Tetrachlorobenzene	ND	230	61	55	10.3	57	70	20.5	40 - 140	30	
1,2,4-Trichlorobenzene	ND	230	59	54	8.8	57	71	21.9	40 - 140	30	
1,2-Dichlorobenzene	ND	180	59	55	7.0	58	68	15.9	40 - 140	30	
1,2-Diphenylhydrazine	ND	230	82	75	8.9	76	81	6.4	40 - 140	30	
1,3-Dichlorobenzene	ND	230	56	52	7.4	55	64	15.1	40 - 140	30	
1,4-Dichlorobenzene	ND	230	58	54	7.1	57	67	16.1	40 - 140	30	
2,2'-Oxybis(1-Chloropropane)	ND	230	76	70	8.2	73	86	16.4	40 - 140	30	
2,4,5-Trichlorophenol	ND	230	84	76	10.0	80	83	3.7	40 - 140	30	
2,4,6-Trichlorophenol	ND	130	83	73	12.8	79	82	3.7	30 - 130	30	

QA/QC Data

SDG I.D.: GCN95050

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
2,4-Dichlorophenol	ND	130	71	64	10.4	68	82	18.7	30 - 130	30	
2,4-Dimethylphenol	ND	230	75	68	9.8	69	79	13.5	30 - 130	30	
2,4-Dinitrophenol	ND	230	92	77	17.8	83	90	8.1	30 - 130	30	
2,4-Dinitrotoluene	ND	130	110	98	11.5	101	105	3.9	30 - 130	30	
2,6-Dinitrotoluene	ND	130	84	75	11.3	79	81	2.5	40 - 140	30	
2-Chloronaphthalene	ND	230	75	69	8.3	73	77	5.3	40 - 140	30	
2-Chlorophenol	ND	230	69	61	12.3	65	76	15.6	30 - 130	30	
2-Methylnaphthalene	ND	230	67	61	9.4	63	78	21.3	40 - 140	30	
2-Methylphenol (o-cresol)	ND	230	79	70	12.1	73	83	12.8	40 - 140	30	
2-Nitroaniline	ND	330	133	126	5.4	124	125	0.8	40 - 140	30	
2-Nitrophenol	ND	230	77	71	8.1	76	93	20.1	40 - 140	30	
3&4-Methylphenol (m&p-cresol)	ND	230	86	75	13.7	78	86	9.8	30 - 130	30	
3,3'-Dichlorobenzidine	ND	130	81	82	1.2	70	67	4.4	40 - 140	30	
3-Nitroaniline	ND	330	92	91	1.1	91	96	5.3	40 - 140	30	
4,6-Dinitro-2-methylphenol	ND	230	92	77	17.8	83	90	8.1	30 - 130	30	
4-Bromophenyl phenyl ether	ND	230	82	73	11.6	75	80	6.5	40 - 140	30	
4-Chloro-3-methylphenol	ND	230	80	73	9.2	74	88	17.3	30 - 130	30	
4-Chloroaniline	ND	230	68	74	8.5	72	86	17.7	40 - 140	30	
4-Chlorophenyl phenyl ether	ND	230	81	71	13.2	73	78	6.6	40 - 140	30	
4-Nitroaniline	ND	230	94	84	11.2	87	92	5.6	40 - 140	30	
4-Nitrophenol	ND	230	82	71	14.4	34	33	3.0	30 - 130	30	
Acenaphthene	ND	230	75	68	9.8	70	76	8.2	30 - 130	30	
Acenaphthylene	ND	130	72	65	10.2	68	72	5.7	40 - 140	30	
Acetophenone	ND	230	75	64	15.8	68	78	13.7	40 - 140	30	
Aniline	ND	330	54	54	0.0	46	50	8.3	40 - 140	30	
Anthracene	ND	230	83	75	10.1	77	80	3.8	40 - 140	30	
Benz(a)anthracene	ND	230	83	73	12.8	75	79	5.2	40 - 140	30	
Benzidine	ND	330	<10	71	NC	12	<10	NC	40 - 140	30	l,m
Benzo(a)pyrene	ND	130	93	81	13.8	82	89	8.2	40 - 140	30	
Benzo(b)fluoranthene	ND	160	85	76	11.2	78	83	6.2	40 - 140	30	
Benzo(ghi)perylene	ND	230	86	77	11.0	76	81	6.4	40 - 140	30	
Benzo(k)fluoranthene	ND	230	80	72	10.5	73	78	6.6	40 - 140	30	
Benzoic Acid	ND	670	82	70	15.8	81	95	15.9	30 - 130	30	
Benzyl butyl phthalate	ND	230	85	75	12.5	77	84	8.7	40 - 140	30	
Bis(2-chloroethoxy)methane	ND	230	69	63	9.1	67	82	20.1	40 - 140	30	
Bis(2-chloroethyl)ether	ND	130	68	62	9.2	66	78	16.7	40 - 140	30	
Bis(2-ethylhexyl)phthalate	ND	230	82	74	10.3	73	79	7.9	40 - 140	30	
Carbazole	ND	230	83	75	10.1	76	80	5.1	40 - 140	30	
Chrysene	ND	230	85	78	8.6	77	82	6.3	40 - 140	30	
Dibenz(a,h)anthracene	ND	130	87	78	10.9	77	82	6.3	40 - 140	30	
Dibenzofuran	ND	230	81	72	11.8	75	80	6.5	40 - 140	30	
Diethyl phthalate	ND	230	83	74	11.5	75	80	6.5	40 - 140	30	
Dimethylphthalate	ND	230	83	74	11.5	74	79	6.5	40 - 140	30	
Di-n-butylphthalate	ND	670	86	77	11.0	77	82	6.3	40 - 140	30	
Di-n-octylphthalate	ND	230	84	74	12.7	72	78	8.0	40 - 140	30	
Fluoranthene	ND	230	79	72	9.3	73	78	6.6	40 - 140	30	
Fluorene	ND	230	85	74	13.8	77	83	7.5	40 - 140	30	
Hexachlorobenzene	ND	130	83	75	10.1	77	81	5.1	40 - 140	30	
Hexachlorobutadiene	ND	230	58	53	9.0	57	70	20.5	40 - 140	30	
Hexachlorocyclopentadiene	ND	230	53	42	23.2	46	58	23.1	40 - 140	30	
Hexachloroethane	ND	130	59	57	3.4	60	68	12.5	40 - 140	30	
Indeno(1,2,3-cd)pyrene	ND	230	90	80	11.8	81	85	4.8	40 - 140	30	
Isophorone	ND	130	65	59	9.7	61	74	19.3	40 - 140	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Naphthalene	ND	230	67	61	9.4	65	80	20.7	40 - 140	30	
Nitrobenzene	ND	130	76	69	9.7	72	84	15.4	40 - 140	30	
N-Nitrosodimethylamine	ND	230	54	48	11.8	53	61	14.0	40 - 140	30	
N-Nitrosodi-n-propylamine	ND	130	81	70	14.6	72	84	15.4	40 - 140	30	
N-Nitrosodiphenylamine	ND	130	79	71	10.7	70	72	2.8	40 - 140	30	
Pentachloronitrobenzene	ND	230	78	69	12.2	72	77	6.7	40 - 140	30	
Pentachlorophenol	ND	230	70	60	15.4	70	75	6.9	30 - 130	30	
Phenanthrene	ND	130	83	74	11.5	77	81	5.1	40 - 140	30	
Phenol	ND	230	83	73	12.8	77	89	14.5	30 - 130	30	
Pyrene	ND	230	78	70	10.8	72	77	6.7	30 - 130	30	
Pyridine	ND	230	41	39	5.0	39	47	18.6	40 - 140	30	l,m
% 2,4,6-Tribromophenol	75	%	98	90	8.5	91	98	7.4	30 - 130	30	
% 2-Fluorobiphenyl	56	%	75	68	9.8	71	76	6.8	30 - 130	30	
% 2-Fluorophenol	50	%	64	56	13.3	60	71	16.8	30 - 130	30	
% Nitrobenzene-d5	60	%	75	69	8.3	70	82	15.8	30 - 130	30	
% Phenol-d5	56	%	75	65	14.3	69	81	16.0	30 - 130	30	
% Terphenyl-d14	58	%	72	63	13.3	64	69	7.5	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 676683 (ug/kg), QC Sample No: CN99851 (CN95051, CN95052)

Semivolatiles - Soil

1,2,4,5-Tetrachlorobenzene	ND	230	57	55	3.6	43	39	9.8	40 - 140	30	m
1,2,4-Trichlorobenzene	ND	230	58	58	0.0	45	40	11.8	40 - 140	30	
1,2-Dichlorobenzene	ND	180	55	56	1.8	44	39	12.0	40 - 140	30	m
1,2-Diphenylhydrazine	ND	230	65	64	1.6	55	49	11.5	40 - 140	30	
1,3-Dichlorobenzene	ND	230	53	55	3.7	41	36	13.0	40 - 140	30	m
1,4-Dichlorobenzene	ND	230	54	56	3.6	43	37	15.0	40 - 140	30	m
2,2'-Oxybis(1-Chloropropane)	ND	230	65	65	0.0	56	49	13.3	40 - 140	30	
2,4,5-Trichlorophenol	ND	230	68	66	3.0	56	49	13.3	40 - 140	30	
2,4,6-Trichlorophenol	ND	130	66	64	3.1	56	50	11.3	30 - 130	30	
2,4-Dichlorophenol	ND	130	67	63	6.2	52	47	10.1	30 - 130	30	
2,4-Dimethylphenol	ND	230	65	60	8.0	54	49	9.7	30 - 130	30	
2,4-Dinitrophenol	ND	230	70	69	1.4	51	41	21.7	30 - 130	30	
2,4-Dinitrotoluene	ND	130	89	87	2.3	74	65	12.9	30 - 130	30	
2,6-Dinitrotoluene	ND	130	67	66	1.5	57	50	13.1	40 - 140	30	
2-Chloronaphthalene	ND	230	64	63	1.6	55	48	13.6	40 - 140	30	
2-Chlorophenol	ND	230	60	58	3.4	52	46	12.2	30 - 130	30	
2-Methylnaphthalene	ND	230	62	60	3.3	48	44	8.7	40 - 140	30	
2-Methylphenol (o-cresol)	ND	230	66	62	6.3	56	51	9.3	40 - 140	30	
2-Nitroaniline	ND	330	94	96	2.1	78	78	0.0	40 - 140	30	
2-Nitrophenol	ND	230	68	68	0.0	53	48	9.9	40 - 140	30	
3&4-Methylphenol (m&p-cresol)	ND	230	68	65	4.5	59	53	10.7	30 - 130	30	
3,3'-Dichlorobenzidine	ND	130	61	57	6.8	51	44	14.7	40 - 140	30	
3-Nitroaniline	ND	330	70	60	15.4	62	58	6.7	40 - 140	30	
4,6-Dinitro-2-methylphenol	ND	230	70	69	1.4	54	45	18.2	30 - 130	30	
4-Bromophenyl phenyl ether	ND	230	66	65	1.5	57	48	17.1	40 - 140	30	
4-Chloro-3-methylphenol	ND	230	71	68	4.3	54	49	9.7	30 - 130	30	
4-Chloroaniline	ND	230	61	54	12.2	50	48	4.1	40 - 140	30	
4-Chlorophenyl phenyl ether	ND	230	62	62	0.0	53	46	14.1	40 - 140	30	
4-Nitroaniline	ND	230	72	71	1.4	61	55	10.3	40 - 140	30	
4-Nitrophenol	ND	230	72	72	0.0	59	16	114.7	30 - 130	30	m,r

QA/QC Data

SDG I.D.: GCN95050

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Acenaphthene	ND	230	62	61	1.6	53	46	14.1	30 - 130	30	
Acenaphthylene	ND	130	60	61	1.7	53	47	12.0	40 - 140	30	
Acetophenone	ND	230	61	60	1.7	52	46	12.2	40 - 140	30	
Aniline	ND	330	33	90	92.7	40	38	5.1	40 - 140	30	l,m,r
Anthracene	ND	230	65	65	0.0	57	48	17.1	40 - 140	30	
Benz(a)anthracene	ND	230	64	63	1.6	54	46	16.0	40 - 140	30	
Benzidine	ND	330	<10	<10	NC	<10	11	NC	40 - 140	30	l,m
Benzo(a)pyrene	ND	130	72	71	1.4	61	50	19.8	40 - 140	30	
Benzo(b)fluoranthene	ND	160	67	66	1.5	58	47	21.0	40 - 140	30	
Benzo(ghi)perylene	ND	230	71	71	0.0	58	46	23.1	40 - 140	30	
Benzo(k)fluoranthene	ND	230	64	63	1.6	54	45	18.2	40 - 140	30	
Benzoic Acid	ND	670	81	80	1.2	60	53	12.4	30 - 130	30	
Benzyl butyl phthalate	ND	230	64	64	0.0	55	50	9.5	40 - 140	30	
Bis(2-chloroethoxy)methane	ND	230	67	66	1.5	53	48	9.9	40 - 140	30	
Bis(2-chloroethyl)ether	ND	130	63	67	6.2	51	45	12.5	40 - 140	30	
Bis(2-ethylhexyl)phthalate	ND	230	62	63	1.6	52	45	14.4	40 - 140	30	
Carbazole	ND	230	64	63	1.6	54	48	11.8	40 - 140	30	
Chrysene	ND	230	68	67	1.5	56	48	15.4	40 - 140	30	
Dibenz(a,h)anthracene	ND	130	72	70	2.8	60	47	24.3	40 - 140	30	
Dibenzofuran	ND	230	65	62	4.7	54	48	11.8	40 - 140	30	
Diethyl phthalate	ND	230	64	64	0.0	54	49	9.7	40 - 140	30	
Dimethylphthalate	ND	230	65	65	0.0	55	50	9.5	40 - 140	30	
Di-n-butylphthalate	ND	670	66	67	1.5	56	47	17.5	40 - 140	30	
Di-n-octylphthalate	ND	230	62	64	3.2	51	42	19.4	40 - 140	30	
Fluoranthene	ND	230	66	64	3.1	54	46	16.0	40 - 140	30	
Fluorene	ND	230	66	65	1.5	56	50	11.3	40 - 140	30	
Hexachlorobenzene	ND	130	65	67	3.0	55	45	20.0	40 - 140	30	
Hexachlorobutadiene	ND	230	57	57	0.0	45	39	14.3	40 - 140	30	m
Hexachlorocyclopentadiene	ND	230	45	46	2.2	29	18	46.8	40 - 140	30	m,r
Hexachloroethane	ND	130	54	56	3.6	43	38	12.3	40 - 140	30	m
Indeno(1,2,3-cd)pyrene	ND	230	73	73	0.0	61	47	25.9	40 - 140	30	
Isophorone	ND	130	61	61	0.0	49	44	10.8	40 - 140	30	
Naphthalene	ND	230	64	63	1.6	51	45	12.5	40 - 140	30	
Nitrobenzene	ND	130	64	63	1.6	55	49	11.5	40 - 140	30	
N-Nitrosodimethylamine	ND	230	44	44	0.0	34	30	12.5	40 - 140	30	m
N-Nitrosodi-n-propylamine	ND	130	63	63	0.0	55	48	13.6	40 - 140	30	
N-Nitrosodiphenylamine	ND	130	62	62	0.0	53	47	12.0	40 - 140	30	
Pentachloronitrobenzene	ND	230	59	57	3.4	50	41	19.8	40 - 140	30	
Pentachlorophenol	ND	230	57	55	3.6	52	45	14.4	30 - 130	30	
Phenanthrene	ND	130	66	66	0.0	56	48	15.4	40 - 140	30	
Phenol	ND	230	70	66	5.9	60	54	10.5	30 - 130	30	
Pyrene	ND	230	64	64	0.0	54	46	16.0	30 - 130	30	
Pyridine	ND	230	34	41	18.7	21	22	4.7	40 - 140	30	l,m
% 2,4,6-Tribromophenol	69	%	66	67	1.5	60	51	16.2	30 - 130	30	
% 2-Fluorobiphenyl	61	%	59	60	1.7	53	46	14.1	30 - 130	30	
% 2-Fluorophenol	56	%	53	53	0.0	47	40	16.1	30 - 130	30	
% Nitrobenzene-d5	65	%	60	61	1.7	52	46	12.2	30 - 130	30	
% Phenol-d5	63	%	62	61	1.6	54	48	11.8	30 - 130	30	
% Terphenyl-d14	65	%	56	57	1.8	47	39	18.6	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 Data

SDG I.D.: GCN95050

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 676296 (ug/kg), QC Sample No: CN97794 (CN95050, CN95051, CN95052, CN95053, CN95054, CN95055)											
Volatiles - Soil (Low Level)											
1,1,1,2-Tetrachloroethane	ND	5.0	104	104	0.0	98	109	10.6	70 - 130	30	
1,1,1-Trichloroethane	ND	5.0	97	97	0.0	96	105	9.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	3.0	99	98	1.0	94	106	12.0	70 - 130	30	
1,1,2-Trichloroethane	ND	5.0	98	98	0.0	90	101	11.5	70 - 130	30	
1,1-Dichloroethane	ND	5.0	94	95	1.1	91	100	9.4	70 - 130	30	
1,1-Dichloroethene	ND	5.0	93	92	1.1	90	98	8.5	70 - 130	30	
1,1-Dichloropropene	ND	5.0	100	99	1.0	96	106	9.9	70 - 130	30	
1,2,3-Trichlorobenzene	ND	5.0	95	95	0.0	79	84	6.1	70 - 130	30	
1,2,3-Trichloropropane	ND	5.0	96	96	0.0	90	102	12.5	70 - 130	30	
1,2,4-Trichlorobenzene	ND	5.0	92	90	2.2	80	84	4.9	70 - 130	30	
1,2,4-Trimethylbenzene	ND	1.0	98	97	1.0	97	106	8.9	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	5.0	111	109	1.8	98	109	10.6	70 - 130	30	
1,2-Dibromoethane	ND	5.0	103	104	1.0	96	106	9.9	70 - 130	30	
1,2-Dichlorobenzene	ND	5.0	96	96	0.0	91	99	8.4	70 - 130	30	
1,2-Dichloroethane	ND	5.0	96	96	0.0	91	99	8.4	70 - 130	30	
1,2-Dichloropropane	ND	5.0	94	95	1.1	89	99	10.6	70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0	99	99	0.0	98	109	10.6	70 - 130	30	
1,3-Dichlorobenzene	ND	5.0	95	94	1.1	90	99	9.5	70 - 130	30	
1,3-Dichloropropane	ND	5.0	102	103	1.0	97	106	8.9	70 - 130	30	
1,4-Dichlorobenzene	ND	5.0	93	93	0.0	90	98	8.5	70 - 130	30	
1,4-dioxane	ND	100	99	95	4.1	100	109	8.6	70 - 130	30	
2,2-Dichloropropane	ND	5.0	96	95	1.0	93	102	9.2	70 - 130	30	
2-Chlorotoluene	ND	5.0	99	98	1.0	97	107	9.8	70 - 130	30	
2-Hexanone	ND	25	99	96	3.1	74	85	13.8	70 - 130	30	
2-Isopropyltoluene	ND	5.0	100	99	1.0	98	108	9.7	70 - 130	30	
4-Chlorotoluene	ND	5.0	97	96	1.0	95	104	9.0	70 - 130	30	
4-Methyl-2-pentanone	ND	25	98	94	4.2	83	94	12.4	70 - 130	30	
Acetone	ND	10	83	81	2.4	74	81	9.0	70 - 130	30	
Acrolein	ND	25	83	82	1.2	23	27	16.0	70 - 130	30	m
Acrylonitrile	ND	5.0	94	94	0.0	80	87	8.4	70 - 130	30	
Benzene	ND	1.0	98	98	0.0	94	103	9.1	70 - 130	30	
Bromobenzene	ND	5.0	99	99	0.0	96	106	9.9	70 - 130	30	
Bromochloromethane	ND	5.0	98	100	2.0	93	102	9.2	70 - 130	30	
Bromodichloromethane	ND	5.0	98	99	1.0	90	100	10.5	70 - 130	30	
Bromoform	ND	5.0	110	109	0.9	94	103	9.1	70 - 130	30	
Bromomethane	ND	5.0	92	93	1.1	90	97	7.5	70 - 130	30	
Carbon Disulfide	ND	5.0	86	85	1.2	80	88	9.5	70 - 130	30	
Carbon tetrachloride	ND	5.0	100	95	5.1	96	105	9.0	70 - 130	30	
Chlorobenzene	ND	5.0	98	98	0.0	93	103	10.2	70 - 130	30	
Chloroethane	ND	5.0	90	88	2.2	87	96	9.8	70 - 130	30	
Chloroform	ND	5.0	94	95	1.1	92	101	9.3	70 - 130	30	
Chloromethane	ND	5.0	91	90	1.1	91	100	9.4	70 - 130	30	
cis-1,2-Dichloroethene	ND	5.0	100	99	1.0	93	102	9.2	70 - 130	30	
cis-1,3-Dichloropropene	ND	5.0	100	99	1.0	91	100	9.4	70 - 130	30	
Dibromochloromethane	ND	3.0	105	105	0.0	95	104	9.0	70 - 130	30	
Dibromomethane	ND	5.0	99	99	0.0	92	102	10.3	70 - 130	30	
Dichlorodifluoromethane	ND	5.0	92	91	1.1	106	115	8.1	70 - 130	30	
Ethylbenzene	ND	1.0	101	100	1.0	98	107	8.8	70 - 130	30	
Hexachlorobutadiene	ND	5.0	93	91	2.2	78	88	12.0	70 - 130	30	
Isopropylbenzene	ND	1.0	102	102	0.0	102	112	9.3	70 - 130	30	

QA/QC Data

SDG I.D.: GCN95050

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
m&p-Xylene	ND	2.0	100	99	1.0	98	106	7.8	70 - 130	30
Methyl ethyl ketone	ND	5.0	94	90	4.3	78	85	8.6	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	93	94	1.1	87	96	9.8	70 - 130	30
Methylene chloride	ND	5.0	86	85	1.2	81	89	9.4	70 - 130	30
Naphthalene	ND	5.0	109	108	0.9	92	99	7.3	70 - 130	30
n-Butylbenzene	ND	1.0	97	94	3.1	93	103	10.2	70 - 130	30
n-Propylbenzene	ND	1.0	98	98	0.0	98	109	10.6	70 - 130	30
o-Xylene	ND	2.0	101	100	1.0	97	106	8.9	70 - 130	30
p-Isopropyltoluene	ND	1.0	100	99	1.0	98	109	10.6	70 - 130	30
sec-Butylbenzene	ND	1.0	101	100	1.0	99	110	10.5	70 - 130	30
Styrene	ND	5.0	99	98	1.0	92	100	8.3	70 - 130	30
tert-butyl alcohol	ND	100	97	93	4.2	95	103	8.1	70 - 130	30
tert-Butylbenzene	ND	1.0	103	102	1.0	101	112	10.3	70 - 130	30
Tetrachloroethene	ND	5.0	96	94	2.1	93	102	9.2	70 - 130	30
Tetrahydrofuran (THF)	ND	5.0	92	91	1.1	81	92	12.7	70 - 130	30
Toluene	ND	1.0	98	98	0.0	93	103	10.2	70 - 130	30
trans-1,2-Dichloroethene	ND	5.0	85	84	1.2	83	90	8.1	70 - 130	30
trans-1,3-Dichloropropene	ND	5.0	100	100	0.0	91	101	10.4	70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	107	106	0.9	95	107	11.9	70 - 130	30
Trichloroethene	ND	5.0	99	98	1.0	94	103	9.1	70 - 130	30
Trichlorofluoromethane	ND	5.0	93	93	0.0	92	102	10.3	70 - 130	30
Trichlorotrifluoroethane	ND	5.0	85	83	2.4	84	93	10.2	70 - 130	30
Vinyl chloride	ND	5.0	92	91	1.1	90	99	9.5	70 - 130	30
% 1,2-dichlorobenzene-d4	99	%	99	99	0.0	98	98	0.0	70 - 130	30
% Bromofluorobenzene	94	%	98	98	0.0	96	96	0.0	70 - 130	30
% Dibromofluoromethane	99	%	100	99	1.0	98	99	1.0	70 - 130	30
% Toluene-d8	96	%	98	98	0.0	97	97	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.

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

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

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

Phyllis Shiller, Laboratory Director
May 11, 2023

Thursday, May 11, 2023

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

State: NY

Sample Criteria Exceedances Report

GCN95050 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CN95050	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	1800	290	1000	1000	ug/Kg
CN95050	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	1700	290	1000	1000	ug/Kg
CN95050	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	2000	290	1700	1700	ug/Kg
CN95050	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	940	290	500	500	ug/Kg
CN95050	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	1800	290	1000	1000	ug/Kg
CN95050	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	1800	200	1000	1000	ug/Kg
CN95050	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1700	290	1000	1000	ug/Kg
CN95050	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2000	290	1000	1000	ug/Kg
CN95050	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	940	290	500	500	ug/Kg
CN95050	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1800	200	1000	1000	ug/Kg
CN95050	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1800	290	1000	1000	ug/Kg
CN95050	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	2000	290	1000	1000	ug/Kg
CN95050	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2000	290	1000	1000	ug/Kg
CN95050	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1800	200	1000	1000	ug/Kg
CN95050	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1700	290	1000	1000	ug/Kg
CN95050	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	940	290	500	500	ug/Kg
CN95050	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1800	290	1000	1000	ug/Kg
CN95050	AS-SM	Arsenic	NY / 375-6.8 Metals / Ground Water Protection	31.1	0.87	16	16	mg/Kg
CN95050	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	31.1	0.87	16	16	mg/Kg
CN95050	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	31.1	0.87	16	16	mg/Kg
CN95050	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	31.1	0.87	13	13	mg/Kg
CN95050	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	75.8	0.9	50	50	mg/kg
CN95050	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.58	0.03	0.18	0.18	mg/Kg
CN95050	PB-SMDP	Lead	NY / 375-6.8 Metals / Ground Water Protection	1540	8.7	450	450	mg/Kg
CN95050	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	1540	8.7	400	400	mg/Kg
CN95050	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	1540	8.7	400	400	mg/Kg
CN95050	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	1540	8.7	63	63	mg/Kg
CN95050	SE-SMDP	Selenium	NY / 375-6.8 Metals / Ground Water Protection	31.6	1.7	4	4	mg/Kg
CN95050	SE-SMDP	Selenium	NY / 375-6.8 Metals / Unrestricted Use Soil	31.6	1.7	3.9	3.9	mg/Kg
CN95050	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	274	8.7	109	109	mg/Kg
CN95051	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	128	0.9	50	50	mg/kg
CN95051	HG-SM	Mercury	NY / 375-6.8 Metals / Ground Water Protection	0.85	0.03	0.73	0.73	mg/Kg
CN95051	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	0.85	0.03	0.81	0.81	mg/Kg
CN95051	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	0.85	0.03	0.81	0.81	mg/Kg
CN95051	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.85	0.03	0.18	0.18	mg/Kg
CN95051	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	248	9.0	63	63	mg/Kg
CN95052	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	1100	280	1000	1000	ug/Kg
CN95052	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1100	280	1000	1000	ug/Kg
CN95052	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	1100	280	1000	1000	ug/Kg
CN95052	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1100	280	1000	1000	ug/Kg

Thursday, May 11, 2023

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

State: NY

Sample Criteria Exceedances Report

GCN95050 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CN95052	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1100	280	1000	1000	ug/Kg
CN95052	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1100	280	1000	1000	ug/Kg
CN95052	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1100	280	1000	1000	ug/Kg
CN95052	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	57.3	0.8	50	50	mg/kg
CN95052	HG-SM	Mercury	NY / 375-6.8 Metals / Ground Water Protection	1.78	0.03	0.73	0.73	mg/Kg
CN95052	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	1.78	0.03	0.81	0.81	mg/Kg
CN95052	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	1.78	0.03	0.81	0.81	mg/Kg
CN95052	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.78	0.03	0.18	0.18	mg/Kg
CN95052	PB-SMDP	Lead	NY / 375-6.8 Metals / Ground Water Protection	1710	82	450	450	mg/Kg
CN95052	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	1710	82	400	400	mg/Kg
CN95052	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	1710	82	400	400	mg/Kg
CN95052	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	1710	82	63	63	mg/Kg
CN95053	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	17000	1400	1700	1700	ug/Kg
CN95053	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	16000	1400	1000	1000	ug/Kg
CN95053	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	15000	1400	1000	1000	ug/Kg
CN95053	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	4900	270	1700	1700	ug/Kg
CN95053	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	1600	190	330	330	ug/Kg
CN95053	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	15000	1400	1000	1000	ug/Kg
CN95053	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	4900	270	1000	1000	ug/Kg
CN95053	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	16000	970	1000	1000	ug/Kg
CN95053	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	16000	1400	1000	1000	ug/Kg
CN95053	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	7100	270	500	500	ug/Kg
CN95053	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	17000	1400	1000	1000	ug/Kg
CN95053	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	16000	1400	1000	1000	ug/Kg
CN95053	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	16000	970	1000	1000	ug/Kg
CN95053	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1600	190	330	330	ug/Kg
CN95053	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	17000	1400	1000	1000	ug/Kg
CN95053	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	15000	1400	3900	3900	ug/Kg
CN95053	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	7100	270	500	500	ug/Kg
CN95053	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	4900	270	3900	3900	ug/Kg
CN95053	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	17000	1400	1000	1000	ug/Kg
CN95053	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	16000	1400	1000	1000	ug/Kg
CN95053	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	16000	970	1000	1000	ug/Kg
CN95053	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4900	270	800	800	ug/Kg
CN95053	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	15000	1400	1000	1000	ug/Kg
CN95053	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	7100	270	500	500	ug/Kg
CN95053	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1600	190	330	330	ug/Kg
CN95053	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	79.5	0.8	50	50	mg/kg
CN95053	HG-SM	Mercury	NY / 375-6.8 Metals / Ground Water Protection	6.27	0.15	0.73	0.73	mg/Kg
CN95053	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	6.27	0.15	0.81	0.81	mg/Kg
CN95053	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	6.27	0.15	0.81	0.81	mg/Kg

Thursday, May 11, 2023

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

State: NY

Sample Criteria Exceedances Report

GCN95050 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CN95053	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	6.27	0.15	0.18	0.18	mg/Kg
CN95053	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	378	8.1	63	63	mg/Kg
CN95053	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	155	0.8	109	109	mg/Kg
CN95054	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	125	0.8	50	50	mg/kg
CN95054	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.66	0.03	0.18	0.18	mg/Kg
CN95054	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	450	7.6	400	400	mg/Kg
CN95054	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	450	7.6	400	400	mg/Kg
CN95054	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	450	7.6	63	63	mg/Kg
CN95054	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	237	7.6	109	109	mg/Kg
CN95055	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Ground Water Protection	10000	1400	8200	8200	ug/Kg
CN95055	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	20000	1400	1000	1000	ug/Kg
CN95055	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	21000	1400	1000	1000	ug/Kg
CN95055	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	5600	280	1700	1700	ug/Kg
CN95055	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	22000	1400	1700	1700	ug/Kg
CN95055	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	20000	1400	1000	1000	ug/Kg
CN95055	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	5600	280	1000	1000	ug/Kg
CN95055	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	22000	1400	1000	1000	ug/Kg
CN95055	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	2200	200	330	330	ug/Kg
CN95055	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	21000	980	1000	1000	ug/Kg
CN95055	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	10000	1400	500	500	ug/Kg
CN95055	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	21000	1400	1000	1000	ug/Kg
CN95055	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	20000	1400	3900	3900	ug/Kg
CN95055	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	10000	1400	500	500	ug/Kg
CN95055	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	2200	200	330	330	ug/Kg
CN95055	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	21000	1400	1000	1000	ug/Kg
CN95055	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	5600	280	3900	3900	ug/Kg
CN95055	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	22000	1400	1000	1000	ug/Kg
CN95055	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	21000	980	1000	1000	ug/Kg
CN95055	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5600	280	800	800	ug/Kg
CN95055	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	22000	1400	1000	1000	ug/Kg
CN95055	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	10000	1400	500	500	ug/Kg
CN95055	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	21000	1400	1000	1000	ug/Kg
CN95055	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2200	200	330	330	ug/Kg
CN95055	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	21000	980	1000	1000	ug/Kg
CN95055	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	20000	1400	1000	1000	ug/Kg
CN95055	AS-SM	Arsenic	NY / 375-6.8 Metals / Ground Water Protection	54.4	0.83	16	16	mg/Kg
CN95055	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	54.4	0.83	16	16	mg/Kg
CN95055	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	54.4	0.83	16	16	mg/Kg
CN95055	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	54.4	0.83	13	13	mg/Kg
CN95055	BA-SMDP	Barium	NY / 375-6.8 Metals / Ground Water Protection	1110	0.8	820	820	mg/Kg

Thursday, May 11, 2023

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

State: NY

Sample Criteria Exceedances Report

GCN95050 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CN95055	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential	1110	0.8	350	350	mg/Kg
CN95055	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential Restricted	1110	0.8	400	400	mg/Kg
CN95055	BA-SMDP	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	1110	0.8	350	350	mg/Kg
CN95055	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential	3.27	0.41	2.5	2.5	mg/Kg
CN95055	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	3.27	0.41	2.5	2.5	mg/Kg
CN95055	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	151	0.8	50	50	mg/kg
CN95055	HG-SM	Mercury	NY / 375-6.8 Metals / Ground Water Protection	1.35	0.03	0.73	0.73	mg/Kg
CN95055	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	1.35	0.03	0.81	0.81	mg/Kg
CN95055	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	1.35	0.03	0.81	0.81	mg/Kg
CN95055	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.35	0.03	0.18	0.18	mg/Kg
CN95055	PB-SMDP	Lead	NY / 375-6.8 Metals / Ground Water Protection	2610	83	450	450	mg/Kg
CN95055	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	2610	83	400	400	mg/Kg
CN95055	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	2610	83	400	400	mg/Kg
CN95055	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	2610	83	63	63	mg/Kg
CN95055	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Ground Water Protection	2590	83	2480	2480	mg/Kg
CN95055	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Residential	2590	83	2200	2200	mg/Kg
CN95055	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	2590	83	109	109	mg/Kg

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

May 11, 2023 SDG I.D.: GCN95050

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

SVOA Narration

CHEM06 05/05/23-1: CN95050

For 8270 full list, the DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.
For 8270 BN list, benzidine peak tailing was evaluated in the DFTPP tune and was found to be in control.

The following Initial Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.047 (0.1), Hexachlorobenzene 0.091 (0.1)
The following Initial Calibration compounds did not meet minimum response factors: 2-Nitrophenol 0.047 (0.05)

The following Continuing Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.042 (0.1), Hexachlorobenzene 0.092 (0.1), Pentachloronitrobenzene 0.046 (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%.

CHEM07 05/05/23-1: CN95053, CN95054, CN95055

For 8270 full list, the DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.
For 8270 BN list, benzidine peak tailing was evaluated in the DFTPP tune and was found to be in control.

The following Initial Calibration compounds did not meet recommended response factors: % 2,4,6-Tribromophenol 0.049 (0.05), Hexachlorobenzene 0.074 (0.1)
The following Initial Calibration compounds did not meet minimum response factors: % 2,4,6-Tribromophenol 0.049 (0.05)

The following Continuing Calibration compounds did not meet recommended response factors: Hexachlorobenzene 0.075 (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%.

CHEM07 05/08/23-1: CN95051, CN95052

For 8270 full list, the DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.
For 8270 BN list, benzidine peak tailing was evaluated in the DFTPP tune and was found to be in control.

The following Initial Calibration compounds did not meet recommended response factors: % 2,4,6-Tribromophenol 0.049 (0.05), Hexachlorobenzene 0.074 (0.1)
The following Initial Calibration compounds did not meet minimum response factors: % 2,4,6-Tribromophenol 0.049 (0.05)

The following Continuing Calibration compounds did not meet recommended response factors: Hexachlorobenzene 0.072 (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 05/04/23-2: CN95050, CN95051, CN95052, CN95053, CN95054, CN95055

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

May 11, 2023 SDG I.D.: GCN95050

The following Initial Calibration compounds did not meet RSD% criteria: Chloroethane 21% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.
The following Initial Calibration compounds did not meet recommended response factors: Acetone 0.085 (0.1), Acrolein 0.040 (0.05)
The following Initial Calibration compounds did not meet minimum response factors: Acrolein 0.040 (0.05)

The following Continuing Calibration compounds did not meet recommended response factors: Acrolein 0.033 (0.05)
The following Continuing Calibration compounds did not meet minimum response factors: Acrolein 0.040 (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%.

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NY Temperature Narration

May 11, 2023

SDG I.D.: GCN95050

The samples in this delivery group were received at 1.8°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Cooler: Yes ☐ No ☐
Coolant: IPK ☐ ICE ☐ No ☐
Temp 8 °C Pg 1 of 1

PHOENIX
Environmental Laboratories, Inc.

NY/NJ/PA 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:
☐ Phone:
☐ Fax:
☒ Email: file

Customer: Brussee Environmental Corp
Address: 14 Evans Lane, Miller Place NY

Project: 172 Third Avenue Brooklyn
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: Thomas Gallo Date: 5-1-23

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	GL Amber 8 oz. w/H3PO4	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 NAOH 250ml	PL HNO3 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
95050	SB1 (11-13')	S	5-1	10:00	X	X	X		3	1									
95051	SB2 (6-8')	S	5-1	11:50	X	X	X		3	1									
95052	SB3 (3-5')	S	5-1	8:30	X	X	X		3	1									
95053	SB4 (0-2')	S	5-1	9:15	X	X	X		3	1									
95054	SB5 (3-5')	S	5-1	11:10	X	X	X		3	1									
95055	SB6 (1-3')	S	5-1	10:40	X	X	X		3	1									

Relinquished by:	Accepted by:	Date:	Time:
		5/1/23	1439
		5/1/23	1558
		5/1/23	1820

Comments, Special Requirements or Regulations:

7-Day TAT

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

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

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

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 Scil non-restricted

State Samples Collected? NY

Wednesday, May 03, 2023

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

Project ID: 172 THIRD AVENUE
SDG ID: GCN95056
Sample ID#s: CN95056 - CN95058

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
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
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NY # 11301

Sample Id Cross Reference

May 03, 2023

SDG I.D.: GCN95056

Project ID: 172 THIRD AVENUE

Client Id	Lab Id	Matrix
SV3	CN95056	AIR
SV1	CN95057	AIR
SV2	CN95058	AIR

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 03, 2023

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:	TG	05/01/23	13:27
Location Code:	BRUSSEE	Received by:	CP	05/01/23	18:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	644				

Laboratory Data

SDG ID: GCN95056
Phoenix ID: CN95056

Project ID: 172 THIRD AVENUE
Client ID: SV3

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*	05/02/23	KCA	5	1
1,1,1-Trichloroethane	10.5	*0.917*	57.3	*5.00*	05/02/23	KCA	5	
1,1,2,2-Tetrachloroethane	ND	*0.729*	ND	*5.00*	05/02/23	KCA	5	
1,1,2-Trichloroethane	ND	*0.917*	ND	*5.00*	05/02/23	KCA	5	
1,1-Dichloroethane	ND	*1.24*	ND	*5.02*	05/02/23	KCA	5	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	05/02/23	KCA	5	
1,2,4-Trichlorobenzene	ND	*0.674*	ND	*5.00*	05/02/23	KCA	5	
1,2,4-Trimethylbenzene	ND	*1.02*	ND	*5.01*	05/02/23	KCA	5	
1,2-Dibromoethane(EDB)	ND	*0.651*	ND	*5.00*	05/02/23	KCA	5	
1,2-Dichlorobenzene	ND	*0.832*	ND	*5.00*	05/02/23	KCA	5	
1,2-Dichloroethane	ND	*1.24*	ND	*5.02*	05/02/23	KCA	5	
1,2-dichloropropane	ND	*1.08*	ND	*4.99*	05/02/23	KCA	5	
1,2-Dichlorotetrafluoroethane	ND	*0.716*	ND	*5.00*	05/02/23	KCA	5	
1,3,5-Trimethylbenzene	ND	*1.02*	ND	*5.01*	05/02/23	KCA	5	
1,3-Butadiene	ND	*2.26*	ND	*5.00*	05/02/23	KCA	5	
1,3-Dichlorobenzene	ND	*0.832*	ND	*5.00*	05/02/23	KCA	5	
1,4-Dichlorobenzene	ND	*0.832*	ND	*5.00*	05/02/23	KCA	5	
1,4-Dioxane	ND	*1.39*	ND	*5.01*	05/02/23	KCA	5	
2-Hexanone(MBK)	ND	*1.22*	ND	*4.99*	05/02/23	KCA	5	1
4-Ethyltoluene	ND	*1.02*	ND	*5.01*	05/02/23	KCA	5	1
4-Isopropyltoluene	ND	*0.911*	ND	*5.00*	05/02/23	KCA	5	1
4-Methyl-2-pentanone(MIBK)	2.31	*1.22*	9.46	*4.99*	05/02/23	KCA	5	
Acetone	117	*2.11*	278	*5.01*	05/02/23	KCA	5	
Acrylonitrile	ND	*2.31*	ND	*5.01*	05/02/23	KCA	5	
Benzene	2.22	*1.57*	7.09	*5.01*	05/02/23	KCA	5	
Benzyl chloride	ND	*0.966*	ND	*5.00*	05/02/23	KCA	5	

Project ID: 172 THIRD AVENUE
Client ID: SV3

Phoenix I.D.: CN95056

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.747*	ND	*5.00*	05/02/23	KCA	5	
Bromoform	ND	*0.484*	ND	*5.00*	05/02/23	KCA	5	
Bromomethane	ND	*1.29*	ND	*5.01*	05/02/23	KCA	5	
Carbon Disulfide	1.87	*1.61*	5.82	*5.01*	05/02/23	KCA	5	
Carbon Tetrachloride	0.185	*0.159*	1.16	*1.00*	05/02/23	KCA	5	
Chlorobenzene	ND	*1.09*	ND	*5.01*	05/02/23	KCA	5	
Chloroethane	ND	*1.90*	ND	*5.01*	05/02/23	KCA	5	
Chloroform	ND	*1.02*	ND	*4.98*	05/02/23	KCA	5	
Chloromethane	ND	*2.42*	ND	*4.99*	05/02/23	KCA	5	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	05/02/23	KCA	5	
cis-1,3-Dichloropropene	ND	*1.10*	ND	*4.99*	05/02/23	KCA	5	
Cyclohexane	ND	*1.45*	ND	*4.99*	05/02/23	KCA	5	
Dibromochloromethane	ND	*0.587*	ND	*5.00*	05/02/23	KCA	5	
Dichlorodifluoromethane	ND	*1.01*	ND	*4.99*	05/02/23	KCA	5	
Ethanol	8.20	*2.66*	15.4	*5.01*	05/02/23	KCA	5	1
Ethyl acetate	ND	*1.39*	ND	*5.01*	05/02/23	KCA	5	1
Ethylbenzene	1.55	*1.15*	6.73	*4.99*	05/02/23	KCA	5	
Heptane	18.7	*1.22*	76.6	*5.00*	05/02/23	KCA	5	
Hexachlorobutadiene	ND	*0.469*	ND	*5.00*	05/02/23	KCA	5	
Hexane	31.1	*1.42*	110	*5.00*	05/02/23	KCA	5	
Isopropylalcohol	2.20	*2.04*	5.40	*5.01*	05/02/23	KCA	5	
Isopropylbenzene	ND	*1.02*	ND	*5.01*	05/02/23	KCA	5	
m,p-Xylene	6.76	*1.15*	29.3	*4.99*	05/02/23	KCA	5	
Methyl Ethyl Ketone	7.35	*1.70*	21.7	*5.01*	05/02/23	KCA	5	
Methyl tert-butyl ether(MTBE)	ND	*1.39*	ND	*5.01*	05/02/23	KCA	5	
Methylene Chloride	ND	*4.32*	ND	*15.0*	05/02/23	KCA	5	
n-Butylbenzene	ND	*0.911*	ND	*5.00*	05/02/23	KCA	5	1
o-Xylene	1.64	*1.15*	7.12	*4.99*	05/02/23	KCA	5	
Propylene	ND	*2.91*	ND	*5.01*	05/02/23	KCA	5	1
sec-Butylbenzene	ND	*0.911*	ND	*5.00*	05/02/23	KCA	5	1
Styrene	1.37	*1.17*	5.83	*4.98*	05/02/23	KCA	5	
Tetrachloroethene	0.520	*0.184*	3.52	*1.25*	05/02/23	KCA	5	
Tetrahydrofuran	ND	*1.70*	ND	*5.01*	05/02/23	KCA	5	1
Toluene	4.99	*1.33*	18.8	*5.01*	05/02/23	KCA	5	
Trans-1,2-Dichloroethene	ND	*1.26*	ND	*4.99*	05/02/23	KCA	5	
trans-1,3-Dichloropropene	ND	*1.10*	ND	*4.99*	05/02/23	KCA	5	
Trichloroethene	ND	*0.185*	ND	*0.99*	05/02/23	KCA	5	
Trichlorofluoromethane	0.895	*0.891*	5.03	*5.00*	05/02/23	KCA	5	
Trichlorotrifluoroethane	ND	*0.653*	ND	*5.00*	05/02/23	KCA	5	
Vinyl Chloride	ND	*0.390*	ND	*1.00*	05/02/23	KCA	5	
QA/QC Surrogates/Internals								
% Bromofluorobenzene (5x)	102	*%*	102	*%*	05/02/23	KCA	5	
% IS-1,4-Difluorobenzene (5x)	103	*%*	103	*%*	05/02/23	KCA	5	
% IS-Bromochloromethane (5x)	100	*%*	100	*%*	05/02/23	KCA	5	
% IS-Chlorobenzene-d5 (5x)	105	*%*	105	*%*	05/02/23	KCA	5	

Project ID: 172 THIRD AVENUE
Client ID: SV3

Phoenix I.D.: CN95056

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

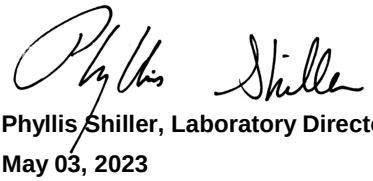
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

May 03, 2023

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

May 03, 2023

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:	TG	05/01/23	13:30
Location Code:	BRUSSEE	Received by:	CP	05/01/23	18:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	12858				

Laboratory Data

SDG ID: GCN95056
Phoenix ID: CN95057

Project ID: 172 THIRD AVENUE
Client ID: SV1

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*	05/02/23	KCA	5	1
1,1,1-Trichloroethane	7.40	*0.917*	40.3	*5.00*	05/02/23	KCA	5	
1,1,2,2-Tetrachloroethane	ND	*0.729*	ND	*5.00*	05/02/23	KCA	5	
1,1,2-Trichloroethane	ND	*0.917*	ND	*5.00*	05/02/23	KCA	5	
1,1-Dichloroethane	ND	*1.24*	ND	*5.02*	05/02/23	KCA	5	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	05/02/23	KCA	5	
1,2,4-Trichlorobenzene	ND	*0.674*	ND	*5.00*	05/02/23	KCA	5	
1,2,4-Trimethylbenzene	ND	*1.02*	ND	*5.01*	05/02/23	KCA	5	
1,2-Dibromoethane(EDB)	ND	*0.651*	ND	*5.00*	05/02/23	KCA	5	
1,2-Dichlorobenzene	ND	*0.832*	ND	*5.00*	05/02/23	KCA	5	
1,2-Dichloroethane	ND	*1.24*	ND	*5.02*	05/02/23	KCA	5	
1,2-dichloropropane	ND	*1.08*	ND	*4.99*	05/02/23	KCA	5	
1,2-Dichlorotetrafluoroethane	ND	*0.716*	ND	*5.00*	05/02/23	KCA	5	
1,3,5-Trimethylbenzene	ND	*1.02*	ND	*5.01*	05/02/23	KCA	5	
1,3-Butadiene	ND	*2.26*	ND	*5.00*	05/02/23	KCA	5	
1,3-Dichlorobenzene	ND	*0.832*	ND	*5.00*	05/02/23	KCA	5	
1,4-Dichlorobenzene	ND	*0.832*	ND	*5.00*	05/02/23	KCA	5	
1,4-Dioxane	ND	*1.39*	ND	*5.01*	05/02/23	KCA	5	
2-Hexanone(MBK)	ND	*1.22*	ND	*4.99*	05/02/23	KCA	5	1
4-Ethyltoluene	ND	*1.02*	ND	*5.01*	05/02/23	KCA	5	1
4-Isopropyltoluene	ND	*0.911*	ND	*5.00*	05/02/23	KCA	5	1
4-Methyl-2-pentanone(MIBK)	4.43	*1.22*	18.1	*4.99*	05/02/23	KCA	5	
Acetone	120	*2.11*	285	*5.01*	05/02/23	KCA	5	
Acrylonitrile	ND	*2.31*	ND	*5.01*	05/02/23	KCA	5	
Benzene	ND	*1.57*	ND	*5.01*	05/02/23	KCA	5	
Benzyl chloride	ND	*0.966*	ND	*5.00*	05/02/23	KCA	5	

Project ID: 172 THIRD AVENUE
Client ID: SV1

Phoenix I.D.: CN95057

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.747*	ND	*5.00*	05/02/23	KCA	5	
Bromoform	ND	*0.484*	ND	*5.00*	05/02/23	KCA	5	
Bromomethane	ND	*1.29*	ND	*5.01*	05/02/23	KCA	5	
Carbon Disulfide	ND	*1.61*	ND	*5.01*	05/02/23	KCA	5	
Carbon Tetrachloride	0.195	*0.159*	1.23	*1.00*	05/02/23	KCA	5	
Chlorobenzene	ND	*1.09*	ND	*5.01*	05/02/23	KCA	5	
Chloroethane	ND	*1.90*	ND	*5.01*	05/02/23	KCA	5	
Chloroform	ND	*1.02*	ND	*4.98*	05/02/23	KCA	5	
Chloromethane	ND	*2.42*	ND	*4.99*	05/02/23	KCA	5	
Cis-1,2-Dichloroethene	0.705	*0.252*	2.79	*1.00*	05/02/23	KCA	5	
cis-1,3-Dichloropropene	ND	*1.10*	ND	*4.99*	05/02/23	KCA	5	
Cyclohexane	ND	*1.45*	ND	*4.99*	05/02/23	KCA	5	
Dibromochloromethane	ND	*0.587*	ND	*5.00*	05/02/23	KCA	5	
Dichlorodifluoromethane	ND	*1.01*	ND	*4.99*	05/02/23	KCA	5	
Ethanol	10.4	*2.66*	19.6	*5.01*	05/02/23	KCA	5	1
Ethyl acetate	ND	*1.39*	ND	*5.01*	05/02/23	KCA	5	1
Ethylbenzene	2.26	*1.15*	9.8	*4.99*	05/02/23	KCA	5	
Heptane	6.09	*1.22*	24.9	*5.00*	05/02/23	KCA	5	
Hexachlorobutadiene	ND	*0.469*	ND	*5.00*	05/02/23	KCA	5	
Hexane	24.5	*1.42*	86.3	*5.00*	05/02/23	KCA	5	
Isopropylalcohol	ND	*2.04*	ND	*5.01*	05/02/23	KCA	5	
Isopropylbenzene	ND	*1.02*	ND	*5.01*	05/02/23	KCA	5	
m,p-Xylene	9.92	*1.15*	43.0	*4.99*	05/02/23	KCA	5	
Methyl Ethyl Ketone	8.90	*1.70*	26.2	*5.01*	05/02/23	KCA	5	
Methyl tert-butyl ether(MTBE)	ND	*1.39*	ND	*5.01*	05/02/23	KCA	5	
Methylene Chloride	ND	*4.32*	ND	*15.0*	05/02/23	KCA	5	
n-Butylbenzene	ND	*0.911*	ND	*5.00*	05/02/23	KCA	5	1
o-Xylene	2.36	*1.15*	10.2	*4.99*	05/02/23	KCA	5	
Propylene	ND	*2.91*	ND	*5.01*	05/02/23	KCA	5	1
sec-Butylbenzene	ND	*0.911*	ND	*5.00*	05/02/23	KCA	5	1
Styrene	1.28	*1.17*	5.45	*4.98*	05/02/23	KCA	5	
Tetrachloroethene	1.45	*0.184*	9.8	*1.25*	05/02/23	KCA	5	
Tetrahydrofuran	ND	*1.70*	ND	*5.01*	05/02/23	KCA	5	1
Toluene	8.95	*1.33*	33.7	*5.01*	05/02/23	KCA	5	
Trans-1,2-Dichloroethene	ND	*1.26*	ND	*4.99*	05/02/23	KCA	5	
trans-1,3-Dichloropropene	ND	*1.10*	ND	*4.99*	05/02/23	KCA	5	
Trichloroethene	0.810	*0.185*	4.35	*0.99*	05/02/23	KCA	5	
Trichlorofluoromethane	1.09	*0.891*	6.12	*5.00*	05/02/23	KCA	5	
Trichlorotrifluoroethane	ND	*0.653*	ND	*5.00*	05/02/23	KCA	5	
Vinyl Chloride	ND	*0.390*	ND	*1.00*	05/02/23	KCA	5	
QA/QC Surrogates/Internals								
% Bromofluorobenzene (5x)	104	*%*	104	*%*	05/02/23	KCA	5	
% IS-1,4-Difluorobenzene (5x)	97	*%*	97	*%*	05/02/23	KCA	5	
% IS-Bromochloromethane (5x)	94	*%*	94	*%*	05/02/23	KCA	5	
% IS-Chlorobenzene-d5 (5x)	99	*%*	99	*%*	05/02/23	KCA	5	

Project ID: 172 THIRD AVENUE
Client ID: SV1

Phoenix I.D.: CN95057

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

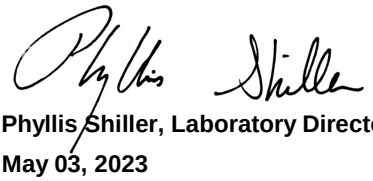
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

May 03, 2023

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 03, 2023

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:	TG	05/01/23	13:38
Location Code:	BRUSSEE	Received by:	CP	05/01/23	18:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	28592				

Laboratory Data

SDG ID: GCN95056
Phoenix ID: CN95058

Project ID: 172 THIRD AVENUE
Client ID: SV2

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*	05/02/23	KCA	5	1
1,1,1-Trichloroethane	13.8	*0.917*	75.2	*5.00*	05/02/23	KCA	5	
1,1,2,2-Tetrachloroethane	ND	*0.729*	ND	*5.00*	05/02/23	KCA	5	
1,1,2-Trichloroethane	ND	*0.917*	ND	*5.00*	05/02/23	KCA	5	
1,1-Dichloroethane	ND	*1.24*	ND	*5.02*	05/02/23	KCA	5	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	05/02/23	KCA	5	
1,2,4-Trichlorobenzene	ND	*0.674*	ND	*5.00*	05/02/23	KCA	5	
1,2,4-Trimethylbenzene	ND	*1.02*	ND	*5.01*	05/02/23	KCA	5	
1,2-Dibromoethane(EDB)	ND	*0.651*	ND	*5.00*	05/02/23	KCA	5	
1,2-Dichlorobenzene	ND	*0.832*	ND	*5.00*	05/02/23	KCA	5	
1,2-Dichloroethane	ND	*1.24*	ND	*5.02*	05/02/23	KCA	5	
1,2-dichloropropane	ND	*1.08*	ND	*4.99*	05/02/23	KCA	5	
1,2-Dichlorotetrafluoroethane	ND	*0.716*	ND	*5.00*	05/02/23	KCA	5	
1,3,5-Trimethylbenzene	ND	*1.02*	ND	*5.01*	05/02/23	KCA	5	
1,3-Butadiene	ND	*2.26*	ND	*5.00*	05/02/23	KCA	5	
1,3-Dichlorobenzene	ND	*0.832*	ND	*5.00*	05/02/23	KCA	5	
1,4-Dichlorobenzene	ND	*0.832*	ND	*5.00*	05/02/23	KCA	5	
1,4-Dioxane	ND	*1.39*	ND	*5.01*	05/02/23	KCA	5	
2-Hexanone(MBK)	ND	*1.22*	ND	*4.99*	05/02/23	KCA	5	1
4-Ethyltoluene	ND	*1.02*	ND	*5.01*	05/02/23	KCA	5	1
4-Isopropyltoluene	ND	*0.911*	ND	*5.00*	05/02/23	KCA	5	1
4-Methyl-2-pentanone(MIBK)	6.26	*1.22*	25.6	*4.99*	05/02/23	KCA	5	
Acetone	102	*2.11*	242	*5.01*	05/02/23	KCA	5	
Acrylonitrile	ND	*2.31*	ND	*5.01*	05/02/23	KCA	5	
Benzene	ND	*1.57*	ND	*5.01*	05/02/23	KCA	5	
Benzyl chloride	ND	*0.966*	ND	*5.00*	05/02/23	KCA	5	

Project ID: 172 THIRD AVENUE
Client ID: SV2

Phoenix I.D.: CN95058

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.747*	ND	*5.00*	05/02/23	KCA	5	
Bromoform	ND	*0.484*	ND	*5.00*	05/02/23	KCA	5	
Bromomethane	ND	*1.29*	ND	*5.01*	05/02/23	KCA	5	
Carbon Disulfide	ND	*1.61*	ND	*5.01*	05/02/23	KCA	5	
Carbon Tetrachloride	ND	*0.159*	ND	*1.00*	05/02/23	KCA	5	
Chlorobenzene	ND	*1.09*	ND	*5.01*	05/02/23	KCA	5	
Chloroethane	ND	*1.90*	ND	*5.01*	05/02/23	KCA	5	
Chloroform	ND	*1.02*	ND	*4.98*	05/02/23	KCA	5	
Chloromethane	ND	*2.42*	ND	*4.99*	05/02/23	KCA	5	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	05/02/23	KCA	5	
cis-1,3-Dichloropropene	ND	*1.10*	ND	*4.99*	05/02/23	KCA	5	
Cyclohexane	ND	*1.45*	ND	*4.99*	05/02/23	KCA	5	
Dibromochloromethane	ND	*0.587*	ND	*5.00*	05/02/23	KCA	5	
Dichlorodifluoromethane	ND	*1.01*	ND	*4.99*	05/02/23	KCA	5	
Ethanol	13.5	*2.66*	25.4	*5.01*	05/02/23	KCA	5	1
Ethyl acetate	ND	*1.39*	ND	*5.01*	05/02/23	KCA	5	1
Ethylbenzene	1.89	*1.15*	8.20	*4.99*	05/02/23	KCA	5	
Heptane	ND	*1.22*	ND	*5.00*	05/02/23	KCA	5	
Hexachlorobutadiene	ND	*0.469*	ND	*5.00*	05/02/23	KCA	5	
Hexane	ND	*1.42*	ND	*5.00*	05/02/23	KCA	5	
Isopropylalcohol	8.32	*2.04*	20.4	*5.01*	05/02/23	KCA	5	
Isopropylbenzene	ND	*1.02*	ND	*5.01*	05/02/23	KCA	5	
m,p-Xylene	8.24	*1.15*	35.8	*4.99*	05/02/23	KCA	5	
Methyl Ethyl Ketone	26.9	*1.70*	79.3	*5.01*	05/02/23	KCA	5	
Methyl tert-butyl ether(MTBE)	ND	*1.39*	ND	*5.01*	05/02/23	KCA	5	
Methylene Chloride	ND	*4.32*	ND	*15.0*	05/02/23	KCA	5	
n-Butylbenzene	ND	*0.911*	ND	*5.00*	05/02/23	KCA	5	1
o-Xylene	2.07	*1.15*	8.98	*4.99*	05/02/23	KCA	5	
Propylene	ND	*2.91*	ND	*5.01*	05/02/23	KCA	5	1
sec-Butylbenzene	ND	*0.911*	ND	*5.00*	05/02/23	KCA	5	1
Styrene	1.47	*1.17*	6.26	*4.98*	05/02/23	KCA	5	
Tetrachloroethene	1.25	*0.184*	8.47	*1.25*	05/02/23	KCA	5	
Tetrahydrofuran	ND	*1.70*	ND	*5.01*	05/02/23	KCA	5	1
Toluene	6.32	*1.33*	23.8	*5.01*	05/02/23	KCA	5	
Trans-1,2-Dichloroethene	ND	*1.26*	ND	*4.99*	05/02/23	KCA	5	
trans-1,3-Dichloropropene	ND	*1.10*	ND	*4.99*	05/02/23	KCA	5	
Trichloroethene	ND	*0.185*	ND	*0.99*	05/02/23	KCA	5	
Trichlorofluoromethane	5.29	*0.891*	29.7	*5.00*	05/02/23	KCA	5	
Trichlorotrifluoroethane	ND	*0.653*	ND	*5.00*	05/02/23	KCA	5	
Vinyl Chloride	ND	*0.390*	ND	*1.00*	05/02/23	KCA	5	
QA/QC Surrogates/Internals								
% Bromofluorobenzene (5x)	106	*%*	106	*%*	05/02/23	KCA	5	
% IS-1,4-Difluorobenzene (5x)	95	*%*	95	*%*	05/02/23	KCA	5	
% IS-Bromochloromethane (5x)	94	*%*	94	*%*	05/02/23	KCA	5	
% IS-Chlorobenzene-d5 (5x)	94	*%*	94	*%*	05/02/23	KCA	5	

Ver 1

Project ID: 172 THIRD AVENUE
Client ID: SV2

Phoenix I.D.: CN95058

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

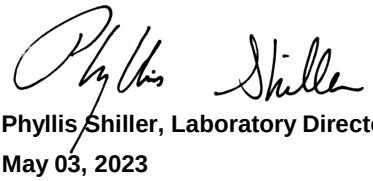
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

May 03, 2023

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

NY # 11301

Canister Sampling Information

May 03, 2023

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

Location Code: BRUSSEE

SDG I.D.: GCN95056

Project ID: 172 THIRD AVENUE

						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
SV3	CN95056	644	6.0L	2925	04/29/23	-30	-9	43	43	0.0	-28	-8	05/01/23 11:47	05/01/23 13:27
SV1	CN95057	12858	6.0L	10684	04/29/23	-30	-9	45	45	0.0	-28	-7	05/01/23 11:51	05/01/23 13:30
SV2	CN95058	28592	6.0L	10669	04/29/23	-30	-8	45	45	0.0	-29	-8	05/01/23 11:54	05/01/23 13:38

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

NY # 11301

QA/QC Report

May 03, 2023

QA/QC Data

SDG I.D.: GCN95056

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 675623 (ppbv), QC Sample No: CN93169 (CN95056 (5X) , CN95057 (5X) , CN95058 (5X))												
Volatiles												
1,1,1,2-Tetrachloroethane	ND	0.038	ND	0.26	100	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.250	ND	1.36	101	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.010	ND	0.07	94	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.010	ND	0.05	97	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.075	ND	0.30	95	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.010	ND	0.04	110	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.027	ND	0.20	124	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.250	ND	1.23	104	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.010	ND	0.08	97	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.050	ND	0.30	108	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.010	ND	0.04	107	0.08	0.10	0.020	0.024	NC	70 - 130	25
1,2-dichloropropane	ND	0.010	ND	0.05	93	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.250	ND	1.75	102	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.250	ND	1.23	99	ND	ND	ND	ND	NC	70 - 130	25
1,3-Butadiene	ND	0.250	ND	0.55	98	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.050	ND	0.30	112	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.040	ND	0.24	97	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.065	ND	0.23	96	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.250	ND	1.02	112	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.250	ND	1.23	104	ND	ND	ND	ND	NC	70 - 130	25
4-Isopropyltoluene	ND	0.250	ND	1.37	101	ND	ND	ND	ND	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.250	ND	1.02	108	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	0.375	ND	0.89	109	35.4	37.5	14.9	15.8	5.9	70 - 130	25
Acrylonitrile	ND	0.250	ND	0.54	103	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.100	ND	0.32	88	0.54	0.52	0.169	0.164	NC	70 - 130	25
Benzyl chloride	ND	0.250	ND	1.29	109	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.010	ND	0.07	104	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.075	ND	0.77	109	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.070	ND	0.27	97	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.250	ND	0.78	98	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.043	ND	0.27	105	0.44	0.45	0.070	0.071	NC	70 - 130	25
Chlorobenzene	ND	0.100	ND	0.46	95	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.250	ND	0.66	90	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.100	ND	0.49	99	ND	ND	ND	ND	NC	70 - 130	25
Chloromethane	ND	0.250	ND	0.52	104	0.95	1.02	0.462	0.494	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.100	ND	0.40	97	2.10	2.28	0.531	0.575	8.0	70 - 130	25
cis-1,3-Dichloropropene	ND	0.050	ND	0.23	94	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.250	ND	0.86	86	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.010	ND	0.09	105	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.250	ND	1.24	103	2.18	2.31	0.442	0.468	NC	70 - 130	25
Ethanol	ND	0.375	ND	0.71	135	30.9	31.3	16.4	16.6	1.2	70 - 130	25

QA/QC Data

SDG I.D.: GCN95056

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	0.250	ND	0.90	69	ND	ND	ND	ND	NC	70 - 130	25	I
Ethylbenzene	ND	0.250	ND	1.08	94	ND	ND	ND	ND	NC	70 - 130	25	
Heptane	ND	0.250	ND	1.02	105	ND	ND	ND	ND	NC	70 - 130	25	
Hexachlorobutadiene	ND	0.010	ND	0.11	125	ND	ND	ND	ND	NC	70 - 130	25	
Hexane	ND	0.225	ND	0.79	95	0.93	0.99	0.264	0.280	NC	70 - 130	25	
Isopropylalcohol	ND	0.375	ND	0.92	152	76.9 E	81.3	31.3 E	33.1	5.6	70 - 130	25	I
Isopropylbenzene	ND	0.250	ND	1.23	100	ND	ND	ND	ND	NC	70 - 130	25	
m,p-Xylene	ND	0.500	ND	2.17	98	ND	ND	ND	ND	NC	70 - 130	25	
Methyl Ethyl Ketone	ND	0.225	ND	0.66	99	7.19	7.46	2.44	2.53	3.6	70 - 130	25	
Methyl tert-butyl ether(MTBE)	ND	0.250	ND	0.90	97	ND	ND	ND	ND	NC	70 - 130	25	
Methylene Chloride	ND	1.50	ND	5.21	110	ND	ND	ND	ND	NC	70 - 130	25	
n-Butylbenzene	ND	0.250	ND	1.37	99	ND	ND	ND	ND	NC	70 - 130	25	
o-Xylene	ND	0.250	ND	1.08	93	ND	ND	ND	ND	NC	70 - 130	25	
Propylene	ND	0.250	ND	0.43	106	ND	ND	ND	ND	NC	70 - 130	25	
sec-Butylbenzene	ND	0.250	ND	1.37	100	ND	ND	ND	ND	NC	70 - 130	25	
Styrene	ND	0.100	ND	0.43	97	ND	ND	ND	ND	NC	70 - 130	25	
Tetrachloroethene	ND	0.050	ND	0.34	96	22.6	24.3	3.33	3.58	7.2	70 - 130	25	
Tetrahydrofuran	ND	0.250	ND	0.74	100	1.93	1.95	0.655	0.663	NC	70 - 130	25	
Toluene	ND	0.250	ND	0.94	93	2.74	2.87	0.727	0.763	NC	70 - 130	25	
Trans-1,2-Dichloroethene	ND	0.100	ND	0.40	101	ND	ND	ND	ND	NC	70 - 130	25	
trans-1,3-Dichloropropene	ND	0.250	ND	1.13	98	ND	ND	ND	ND	NC	70 - 130	25	
Trichloroethene	ND	0.025	ND	0.13	96	0.89	0.88	0.165	0.163	1.2	70 - 130	25	
Trichlorofluoromethane	ND	0.250	ND	1.40	111	ND	ND	ND	ND	NC	70 - 130	25	
Trichlorotrifluoroethane	ND	0.250	ND	1.91	104	ND	ND	ND	ND	NC	70 - 130	25	
Vinyl Chloride	ND	0.010	ND	0.03	97	ND	ND	ND	ND	NC	70 - 130	25	
% Bromofluorobenzene	102	%	102	%	98	103	103	103	103	NC	70 - 130	25	
% IS-1,4-Difluorobenzene	99	%	99	%	100	103	100	103	100	NC	60 - 140	25	
% IS-Bromochloromethane	98	%	98	%	100	106	101	106	101	NC	60 - 140	25	
% IS-Chlorobenzene-d5	102	%	102	%	107	103	101	103	101	NC	60 - 140	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
May 03, 2023

Wednesday, May 03, 2023

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCN95056 - 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

May 03, 2023 SDG I.D.: GCN95056

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

AIRSIM

CHEM20 05/01/23-1: CN95056, CN95057, CN95058

The following Continuing Calibration compounds did not meet % deviation criteria: 1,2,4-Trichlorobenzene(sim) 77%H (30%), Hexachlorobutadiene(sim) 43%H (30%), Isopropylalcohol 34%H (30%)
The following Continuing Calibration compounds did not meet Maximum % deviation criteria: 1,2,4-Trichlorobenzene(sim) 77%H (30%), Hexachlorobutadiene(sim) 43%H (30%), Isopropylalcohol 34%H (30%)

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

BRUSSEE

860-645-1102

email: greg@phoenixlabs.com

P.O. #

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

Report to:	Tom Gallo	**Project Name:**	172 Third Avenue
Customer:	Brussee Environmental Corp	**Invoice to:**	BEC
Address:	14 Evans Lane		
14654	Miller Place, NY 11764	**Sampled by:**	Thomas Gallo

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		
95056	SV3	644	6.0L	-30	-9	2925	43	11:47	13:27	5-1	-28	-8		X		X		
	Did Not Use	352 ★	6.0L	-30		10590	45											
95057	SV1	12858	6.0L	-30	-9	10684	45	11:51	13:30	5-1	-28	-7		X		X		
95058	SV2	28592	6.0L	-30	-8	10669	45	11:54	13:38	5-1	-29	-8		X		X		

Relinquished by:	Accepted by:	Date:	Time:
		5/1/23	1439
		5/1/23	1558

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: _____

State Where Samples Collected: NY 5/1/23 18:20

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

(4) - 6.0L 2 hr, 12ft Tubing, 4 Connectors
★ Recd Can 352 Unused (KM)

Turnaround Time:
- 1 Day* ☐
- 2 Day* ☐
- 3 Day* ☐
- 4 Day* ☐
- 5 Day* ☐
- Standard ☒

*SURCHARGES MAY APPLY

Requested Criteria: (Please Circle)

CT:	MA:	NJ:	NY:	PA:	VT:
TAC I/C TAC RES SVVC I/C SVVC RES GWV I/C GWV CES	**Indoor Air:** Residential Ind/Commercial **Soil Gas:** Residential Ind/Commercial	**Indoor Air:** Residential Ind/Commercial **Soil Gas:** Residential Ind/Commercial	Vapor Intrusion	**Indoor Air** Residential Non-residential	**Indoor Air** Residential Industrial **Sub-slab** Residential Industrial