Phase II Environmental Site Assessment

Location:

5149 County Route 113
Town of Greenwich, Washinton County, New York 12834

Prepared for:

Jim Nolan
Town Supervisor
Town of Greenwich, New York
2 Academy Street
Greenwich, New York 12834

LaBella Project No. 2233938

December 15, 2023

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4 British American Boulevard | Latham, NY 12110 | p 518-273-0055

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1.0 INTRODUCTION

LaBella Associates, D.P.C. ("LaBella") was retained by the Town of Greenwich (Client) to conduct a Phase II Environmental Site Assessment (ESA) at the property located at 5149 County Route 113, Town of Greenwich, Washington County, NY hereinafter referred to as the "Site" (see **Figure 1**). This work was conducted following LaBella's August 1, 2023, *Phase I Environmental Site Assessment* for the Site.

The Site is a (±)3.28-acre commercial property that is currently developed with three structures used for storage by Hudson Crossing Park, Inc. LaBella understands that the Site is being redeveloped as a year-round community center with administrative, classroom, and event space, multiple small office buildings, and a construction equipment warehouse/storage yard. Exterior areas of the Site consist of wooded land, maintained yard areas, concrete sidewalks, and a gravel parking lot. The property is bounded by: single-family residential properties to the north, southeast, and south; County Route 113 to the northeast and east; and, the Hudson River to the west.

1.1 Limitations & Exceptions

The findings of this Phase II ESA are based on the scope of work and project objectives as stated in LaBella Proposal dated August 18, 2023.

Work associated with this Phase II ESA was performed in accordance with generally accepted environmental engineering and environmental contracting practices for this region. LaBella Associates, D.P.C., makes no other warranty or representation, either expressed or implied, nor is one intended to be included as part of its services, proposals, contracts, or reports.

Phase II ESAs are screening level assessments to assess specific potential environmental concerns identified at a site and are not an exhaustive assessment of environmental conditions on a property. The Phase II ESA is not intended to delineate the nature and extent of contamination at the site, nor address complex geological settings, the fate and transport characteristics of certain hazardous substances. physical limitations imposed by the location of utilities and other man-made objects, and the limitations of assessment technologies.

In addition, LaBella cannot provide guarantees, certifications, or warranties that the property is or is not free of environmental impairment or other regulated solid wastes. The Client shall be aware that the data and representative samples from any given soil sampling point or monitoring well may represent conditions that apply only at that particular location, and such conditions may not necessarily apply to the general Site as a whole.

1.2 Background/ Objective

LaBella's August 1, 2023, Phase I ESA for the Site identified the following recognized environmental condition (REC) and significant data gap (SDG). The objective for this Phase II ESA was to investigate Site subsurface soil and groundwater quality relative to the REC and SDG.

1. **REC**: The Subject Property was used as a portion of the former Adirondack School of Northeastern New York between the 1980s and 2010s. According to available information, the structure located at the northwestern portion of the Site was used as classrooms for photograph development, carpentry, stained-glass making, painting & drawing, and print making activities. Chemicals associated with photograph development, unknown waste storage and disposal activities, and discharges to a private septic system from the classroom building may have impacted the environmental integrity of the Site.

2. **SDG**: The Site was developed with the existing buildings in circa 1942. According to Daryl Damas (current occupant), on-site structures have been heated via natural gas, propane, and/or fuel oil and a 275-gallon fuel oil aboveground storage tank (AST) was formerly located near the western corner of the barn building. Additional former heating systems for the on-site buildings are unknown.

This Phase II ESA investigation was completed consistent with the scope of services specified in our proposal (authorized on September 28, 2023) and included the following: a geophysical survey of the subject Property, advancement of three (3) soil borings; and collection of three (3) soil samples submitted for laboratory analysis. Labella's methods, observations, results, conclusions, and recommendations are included in the following sections. Supporting documentation is attached.

2.0 FIELD INVESTIGATION

2.1 Geophysical Survey and Results

On October 16, 2023, LaBella conducted a geophysical survey (subsurface utility mark out) using ground penetrating radar (GPR) and magnetometry technologies to explore for anomalies indicative of potential underground storage tanks (USTs) or backfilled excavations and to locate nearby subsurface utilities and structures to aid in the safe placement of soil borings.

One anomaly suggestive of a potential UST was identified along the northwest perimeter of the barn building. Detailed results of the geophysical survey are shown on **Figure 2**.

Note: LaBella makes an attempt to locate the underground utilities and subsurface structures in the investigation area; however, not all utilities and structures are detectable. It should be understood that the only way to confirm the identity of a detected utility is to expose the feature through careful excavation. Caution should be taken when drilling or excavating.

2.2 Subsurface Soil Investigation

Prior to the initiation of subsurface work, LaBella submitted a location request to *UDig New York* to locate utilities in the areas near the property boundaries.

2.2.1 Soil Borings

On October 24,2023, Core Down Drilling of Brewster, New York, advanced three (3) soil borings at the Site under direct supervision of a LaBella environmental professional. Soil borings SB-01 through SB-03 were extended at downgradient locations relative to the classroom building, the septic system's leach field, and near the subsurface anomaly, respectively. Soil boring locations are depicted on **Figure 3**.

Soil borings were extended using a track-mounted Geoprobe® Systems Model 54DT direct-push sampling system to 16-feet (ft) below ground surface (bgs) and were strategically placed at a safe distance away from the existing subsurface features. The use of direct-push technology allowed for continuous sampling, observation, and characterization of overburden soils. Samples were collected using a MacroCore® sampler equipped with disposable polyethylene sleeves. Soil cores were retrieved in 4-foot sections and are cut from the polyethylene sleeves for observation and sampling. The MacroCore® sampler was decontaminated between boring locations using an Alconox detergent and potable water solution followed by a potable water rinse.

Soils extracted from borings were continuously assessed from the ground surface to the bottom of each boring. LaBella personnel visually and physically examined soil samples and recorded observations of the general lithology, visible layering, evidence of non-native fill/historic fill materials, indications of chemical or other staining, odors, and other distinctive features. Portions of the soil from borings were field screened for the presence of volatile organic compounds (VOCs) using a photoionization detector (PID) equipped with a 10.6 electronvolt (eV) lamp. Groundwater was not encountered during this investigation. Soil boring logs were completed for each soil boring and are included in **Appendix 1**.

2.2.2 Soil Sampling

Three (3) soil samples (one from each boring/investigation area) were selected for the laboratory analyses. The table below summarizes sample identifications, areas/locations, depths, laboratory analyses. Soil samples were submitted for analysis under standard Chain of Custody procedures to Phoenix Environmental Laboratories (Phoenix) of Manchester, Connecticut, a New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP) certified laboratory.

Table A: Sample Location and Analysis Summary

Sample IDs	Exploration Area and Location	Soil Sample Depth (ft bgs)	Laboratory Analyses
SB-01 (6-7ft)	REC: Downgradient of former classroom building (with historical photograph developing activities and unknown waste storage/disposal methods) and the septic system leach field.	6 to 7	TCL VOCs, TCL SVOCs, TAL Metals
SB-02 (8-10ft)		8 to 10	
SB-03 (14-15ft)	SDG: Downgradient of anomaly adjacent to the barn building. Former heating systems of the on-site buildings are unknown.	14 to 15	CP-51 VOCs, CP-51 SVOCs

- New York State Department of Environmental Conservation (NYSDEC) Part 375 Target Compound List (TCL) VOCs and NYSDEC Commissioner Policy 51 (CP-51) list VOCs via USEPA Method 8260,
- NYSDEC Part 375 TCL semi-volatile organic compounds (SVOCs) and CP-51 list SVOCs via USEPA Method 8270
- Target Analyte List (TAL) metals via USEPA Methods 6010 and 7471.

3.0 FINDINGS

3.1 Site Geology and Hydrology

Soil borings were advanced to a maximum depth of 16 feet bgs. Non-native materials encountered at the Site consisted of topsoil to approximately 0.5 feet bgs at the three soil borings. Soils at the Site generally consisted of silty sands with fine gravel, underlain by gravel-sand-silt mixtures. Bedrock and groundwater were not encountered in the borings. Groundwater is assumed to flow in a southern/southwestern direction, towards the Hudson River. Soil Boring Logs are included as **Appendix 1** and the soil boring locations are shown on **Figure 3**.

3.2 Field Screening Results

No visual or olfactory evidence of impairment including petroleum odors or stained soil were observed in soil borings SB-01 through SB-03. PID measurements were less than 1 part per million (ppm) in three soil borings.

3.3 Laboratory Analytical Results

Laboratory data was reviewed, tabulated, and compared to applicable NYSDEC standards, criteria, and guidance (SCGs). An analytical results summary table is attached (**Table 1**). Detected

concentrations of VOCs and SVOCs, and TAL metals were compared 6 NYCRR Part 375-6.8 Unrestricted Use Soil Cleanup Objectives (UUSCOs). Although applicable to sites in a NYSDEC remediation program, the soil results were also compared to the Part 375 Residential Use SCOs (RUSCOs) to provide an additional point of reference for property evaluations. The laboratory report is attached as **Appendix 2**.

- No TCL VOCs or SVOCs were detected above laboratory method detection limits (MDLs) in SB-01(6-7ft) or SB-02(7-8ft) and no CP-51 VOCs or SVOCs were detected above the MDLs in SB-03 (14-15ft). No PID readings greater than 1.0 part per million were recorded during fieldwork activities.

- Nickel and zinc were detected at concentrations exceeding their UUSCOs in soil boring SB-02(8-10ft); however, their detected concentrations did not exceed corresponding RUSCOs. Other TAL metals were detected at trace levels (less than the UUSCOs) or were not detected above laboratory method detection limits (MDLs).

4.0 CONCLUSIONS AND RECOMMENDATIONS

LaBella was retained by the Town of Greenwich to conduct a Phase II ESA at the Subject Property located at 5149 County Route 113, Town of Greenwich, Washington County, New York. The Phase II ESA consisted of a geophysical survey of the Subject Property, advancement of three (3) soil borings; and collection of three (3) soil samples submitted for laboratory analyses.

The geophysical survey identified evidence of one (1) anomaly suggestive of a potential UST east of the barn building. The septic system, subsurface utilities (water, electrical, communications, and gas lines) were also identified.

No visual or olfactory evidence of a chemical or petroleum release were observed in the three soil borings, and no VOCs or SVOCs were detected above laboratory method detection limits in corresponding soil samples SB-01(6-7ft), SB-02(7-8ft), and SB-03(14-15ft). Analytical results for metals at boring SB-01 were either non-detect or below UUSCOs. Although zinc and nickel concentrations at SB-02 exceeded their respective UUSCOs, these concentrations did not exceed their respective RUSCOs do not require remediation. Based on the collected data, the former Site use as the Adirondack School of Northeastern New York (REC) is no longer considered a REC. Potential future Site redevelopment that disturbs the Subject property soil should ensure that material is properly managed. We note that these metals mean that the soil does not meet the definition of clean fill and it cannot be transported off-Site for unrestricted use.

This investigation resolved the SDG and did not identify a REC associated with the anomaly near the barn. However, LaBella recommends that this anomaly be uncovered (i.e., daylighted) to determine if it is an underground storage tank (UST) for petroleum. If a UST is confirmed, it should be removed consistent with NYSDEC criteria.

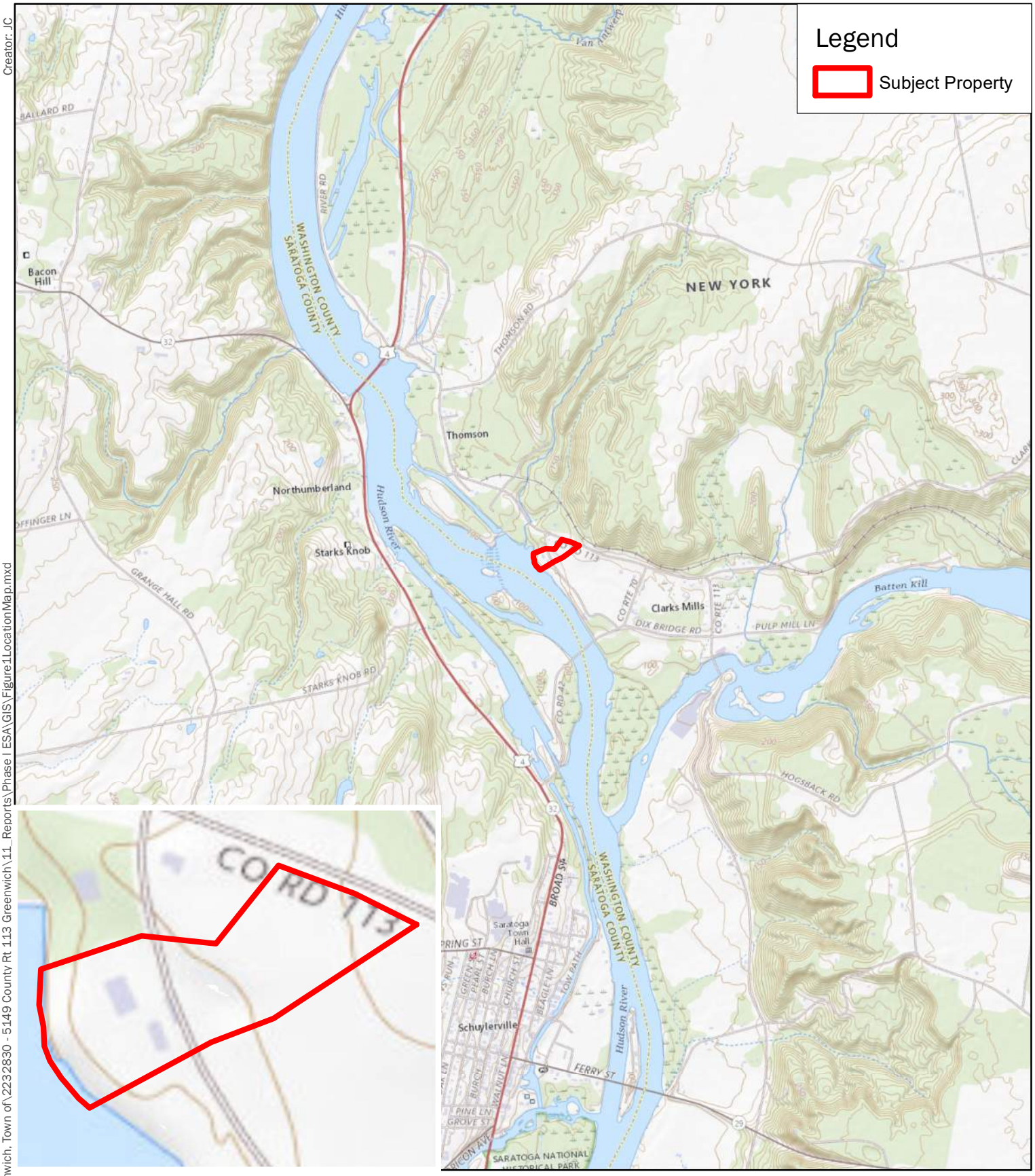
If different subsurface conditions are discovered during Site redevelopment (e.g., impacted soil, debris, tank, etc.), that material should also be handled and disposed of properly, with reporting to the NYSDEC as warranted.

5.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

Report Prepared By:

Branson Fields – LaBella Associates
Environmental Scientist – Project Manager

FIGURES



Source:
Washington County 2023 Tax Parcel Dataset;
US Topo. 2018 - USGSTopo (MapServer)
Layer: USGS TNM Topo Base Map. Accessed 19 July 2023

0 1,000 2,000 Feet

1 inch = 2,000 feet

N

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Town of Greenwich

Town of Greenwich Hudson Riverside Park
5149 County Route 113
Town of Greenwich
Washington County, NY

LaBella Project No: 2232830
Date: 8/1/2023

Location Map

FIGURE #1

Path: \\cash.lab\u\Projects\Greenwich, Town of\2232830 - 5149 County Rt 113 Greenwich\11_Reports\Phase I ESA\GIS\Figure1LocationMap.mxd

Creator: JC

Figure 2 - Geophysical Survey

LEGEND

ALL UTILTIES ARE INDICATED WITH DOTTED AND DASHED LINES. PLEASE SEE BELOW COLOR CODE FOR LINE DESIGNATION.

UTILITY COLOR CODE

- ELECTRIC
- GAS (INCLUDES ALL GASSES LIQUID OR NON LIQUID)
- POTABLE WATER
- SEWER/ DRAINAGE
- TEMPORARY SURVEY
- (WHITE) DEFINED WORK ZONE
- NON POTABLE WATER/ IRRIGATION/ SLURRY LINES
- COMMUNICATIONS/ ALARM/ SIGNAL

LaBella Associates

Source:
Washington County 2023 Tax Parcel Dataset;
NYS Department of Transportation 2022
Simplified Street Dataset; ARCGIS Basemap
Layer Orthophotograph dated March 2021.

0 50 100 Feet

1 inch = 100 feet

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Town
of Greenwich

Town of Greenwich Hudson
Riverside Park
5149 County Route 113
Town of Greenwich
Washington County, NY

LaBella Project No: 2233938
Date: 11/30/2023

Soil Boring Location Map

FIGURE #3

Creator: BWF

Path: B:\GLOBAL\Projects\Greenwich, Town of\2233938 - 5149 CR 113 P2ESA\06_Drawings\Environmental\Figure3_SB Locations.mxd

TABLE

Table 1
Soil Sample Laboratory Analytical Results Summary
5149 County Route 113
Town of Greenwich, New York
LaBella Project No. 2233938

Sample Location	**NYSDEC Part 375-6 Soil Cleanup Objectives**			Downgradient "Classroom" Building	Downgradient Septic Leach Field	Downgradient Anomaly, "Barn" Building
LaBella Sample ID (depth)	CP-51 Soil - Gas/Fuel Oil	Unrestricted Use	**Residential Use**	SB-01 (6-7FT)	SB-02 (7-8FT)	SB-03 (14-15FT)
Lab Sample ID				CP33746	CP33747	CP33748
Collection Date				10/24/2023	10/24/20230	10/24/2023
Matrix				Soil	Soil	Soil
Compound				Results		
Miscellaneous/Inorganics	%			%		
Percent Solid	~	~	~	77	87	89
Metals, Total	mg/kg			mg/kg		
Aluminum	~	~	~	17,100	32,600	NT
Antimony	~			ND	ND	NT
Arsenic	~	13	16	4.08	4.93	NT
Barium	~	350	350	122	90.5	NT
Beryllium	~	7.2	14	0.82	0.97	NT
Cadmium	~	2.5	2.5	0.91	1.99	NT
Calcium	~	~	~	4,900	1,380	NT
Chromium	~	30	30	18.3	10.8	NT
Cobalt	~	~	~	11.4	15	NT
Copper	~	50	270	15.1	36.6	NT
Iron	~			33,600	69,100	NT
Lead	~	63	400	9	11.6	NT
Magnesium	~			4,260	11,200	NT
Manganese	~	1,600	2,000	340	1,140	NT
Mercury	~	0.18	0.81	ND	ND	NT
Nickel	~	30	140	17.2	55.9	NT
Potassium	~	~	~	1,390	620	NT
Selenium	~	3.9	36	ND	ND	NT
Silver	~	2	36	ND	ND	NT
Sodium	~	~	~	263	28.2	NT
Thallium	~	~	~	ND	ND	NT
Vanadium	~	~	~	36.6	23.2	NT
Zinc	~	109	2,200	73.5	174	NT
Volatiles- STARS/CP-51 By SW8260D	mg/kg			mg/kg		
1,2,4-Trimethylbenzene	3.6	3.6	47	NT	NT	ND
1,3,5-Trimethylbenzene	8.4	8.4	47	NT	NT	ND
Benzene	0.06	0.06	2.9	NT	NT	ND
Ethylbenzene	1	1	30	NT	NT	ND
Isopropylbenzene	2.3	~	~	NT	NT	ND
m&p-Xylene	~	~	~	NT	NT	ND
Methyl t-Butyl Ether (MTBE)	0.93	0.93	62	NT	NT	ND
Naphthalene	12	12	100	NT	NT	ND
n-Butylbenzene	12	12	100	NT	NT	ND
n-Propylbenzene	3.9	3.9	100	NT	NT	ND
o-Xylene	~	~	~	NT	NT	ND
p-Isopropyltoluene	10	~	~	NT	NT	ND
sec-Butylbenzene	11	11	100	NT	NT	ND
tert-Butylbenzene	5.9	5.9	100	NT	NT	ND
Toluene	0.7	0.7	100	NT	NT	ND
Total Xylenes	0.26	0.26		NT	NT	ND
Volatiles (TCL) By SW8260D	mg/kg			mg/kg		
1,1,1-Trichloroethane	~	0.68	100	ND	ND	NT
1,1,2,2-Tetrachloroethane	~	~	~	ND	ND	NT
1,1,2-Trichloroethane	~	~	~	ND	ND	NT
1,1-Dichloroethane	~	0.27	19	ND	ND	NT
1,1-Dichloroethene	~	0.33	100	ND	ND	NT
1,2,3-Trichlorobenzene	~	~	~	ND	ND	NT
1,2,4-Trichlorobenzene	~	~	~	ND	ND	NT
1,2-Dibromo-3-chloropropane	~	~	~	ND	ND	NT
1,2-Dibromoethane	~	~	~	ND	ND	NT
1,2-Dichlorobenzene	~	1.1	100	ND	ND	NT
1,2-Dichloroethane	~	0.02	2.3	ND	ND	NT
1,2-Dichloropropane	~	~	~	ND	ND	NT
1,3-Dichlorobenzene	~	2.4	17	ND	ND	NT
1,4-Dichlorobenzene	~	1.8	9.8	ND	ND	NT
2-Hexanone	~	~	~	ND	ND	NT
4-Methyl-2-pentanone	~	~	~	ND	ND	NT
Acetone	~	0.05	100	ND	ND	NT
Benzene	0.06	0.06	2.9	ND	ND	NT
Bromochloromethane	~	~	~	ND	ND	NT
Bromodichloromethane	~	~	~	ND	ND	NT
Bromoform	~	~	~	ND	ND	NT
Bromomethane	~	~	~	ND	ND	NT
Carbon Disulfide	~	~	~	ND	ND	NT
Carbon tetrachloride	~	0.76	1.4	ND	ND	NT
Chlorobenzene	~	1.1	100	ND	ND	NT
Chloroethane	~	~	~	ND	ND	NT
Chloroform	~	0.37	10	ND	ND	NT
Chloromethane	~	~	~	ND	ND	NT
cis-1,2-Dichloroethene	~	0.25	59	ND	ND	NT
cis-1,3-Dichloropropene	~	~	~	ND	ND	NT
Cyclohexane	~	~	~	ND	ND	NT
Dibromochloromethane	~	~	~	ND	ND	NT
Dichlorodifluoromethane	~	~	~	ND	ND	NT
Ethylbenzene	1	1	30	ND	ND	NT
Isopropylbenzene	2.3	~	~	ND	ND	NT
m&p-Xylene	~	~	~	ND	ND	NT
Methyl ethyl ketone	~	0.12	100	ND	ND	NT
Methyl t-butyl ether (MTBE)	0.93	0.93	62	ND	ND	NT
Methylacetate	~	~	~	ND	ND	NT
Methylcyclohexane	~	~	~	ND	ND	NT
Methylene chloride	~	0.05	51	ND	ND	NT
o-Xylene	~	~	~	ND	ND	NT
Styrene	~	~	~	ND	ND	NT
Tetrachloroethene	~	1.3	5.5	ND	ND	NT
Toluene	0.7	0.7	100	ND	ND	NT
Total Xylenes	0.26	0.26	~	ND	ND	NT
trans-1,2-Dichloroethene	~	0.19	100	ND	ND	NT
trans-1,3-Dichloropropene	~	~	~	ND	ND	NT
Trichloroethene	~	0.47	10	ND	ND	NT
Trichlorofluoromethane	~	~	~	ND	ND	NT
Trichlorotrifluoroethane	~	~	~	ND	ND	NT
Vinyl chloride	~	0.02	0.21	ND	ND	NT

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Soil Sample Laboratory Analytical Results Summary
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Town of Greenwich, New York
LaBella Project No. 2233938

Sample Location	**NYSDEC Part 375-6 Soil Cleanup Objectives**			Downgradient "Classroom" Building	Downgradient Septic Leach Field	Downgradient Anomaly, "Barn" Building
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Lab Sample ID				CP33746	CP33747	CP33748
Collection Date				10/24/2023	10/24/20230	10/24/2023
Matrix				Soil	Soil	Soil
Compound				Results		
Semivolatiles-STARS/CP-51 By SW8270D	mg/kg			mg/kg		
Acenaphthene	20	20	100	NT	NT	ND
Acenaphthylene	100	100	100	NT	NT	ND
Anthracene	100	100	100	NT	NT	ND
Benz(a)anthracene	1	1	1	NT	NT	ND
Benzo(a)pyrene	1	1	1	NT	NT	ND
Benzo(b)fluoranthene	1	1	1	NT	NT	ND
Benzo(ghi)perylene	100	100	100	NT	NT	ND
Benzo(k)fluoranthene	0.8	0.8	1	NT	NT	ND
Chrysene	1	1	1	NT	NT	ND
Dibenz(a,h)anthracene	0.33	0.33	0.33	NT	NT	ND
Fluoranthene	100	100	100	NT	NT	ND
Fluorene	30	30	100	NT	NT	ND
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	NT	NT	ND
Naphthalene	12	12	100	NT	NT	ND
Phenanthrene	100	100	100	NT	NT	ND
Pyrene	100	100	100	NT	NT	ND
Semivolatiles By SW8270D	mg/kg			mg/kg		
1,1-Biphenyl	~	~	~	ND	ND	NT
1,2,4,5-Tetrachlorobenzene	~	~	~	ND	ND	NT
2,2'-Oxybis(1-Chloropropane)	~	~	~	ND	ND	NT
2,3,4,6-tetrachlorophenol	~	~	~	ND	ND	NT
2,4,5-Trichlorophenol	~	~	~	ND	ND	NT
2,4,6-Trichlorophenol	~	~	~	ND	ND	NT
2,4-Dichlorophenol	~	~	~	ND	ND	NT
2,4-Dimethylphenol	~	~	~	ND	ND	NT
2,4-Dinitrophenol	~	~	~	ND	ND	NT
2,4-Dinitrotoluene	~	~	~	ND	ND	NT
2,6-Dinitrotoluene	~	~	~	ND	ND	NT
2-Chloronaphthalene	~	~	~	ND	ND	NT
2-Chlorophenol	~	~	~	ND	ND	NT
2-Methylnaphthalene	~	~	~	ND	ND	NT
2-Methylphenol (o-cresol)	~	0.33	100	ND	ND	NT
2-Nitroaniline	~	~	~	ND	ND	NT
2-Nitrophenol	~	~	~	ND	ND	NT
3&4-Methylphenol (m&p-cresol)	~	~	~	ND	ND	NT
3,3'-Dichlorobenzidine	~	~	~	ND	ND	NT
3-Nitroaniline	~	~	~	ND	ND	NT
4,6-Dinitro-2-methylphenol	~	~	~	ND	ND	NT
4-Bromophenyl phenyl ether	~	~	~	ND	ND	NT
4-Chloro-3-methylphenol	~	~	~	ND	ND	NT
4-Chloroaniline	~	~	~	ND	ND	NT
4-Chlorophenyl phenyl ether	~	~	~	ND	ND	NT
4-Nitroaniline	~	~	~	ND	ND	NT
4-Nitrophenol	~	~	~	ND	ND	NT
Acenaphthene	20	20	100	ND	ND	NT
Acenaphthylene	100	100	100	ND	ND	NT
Acetophenone	~	~	~	ND	ND	NT
Anthracene	100	100	100	ND	ND	NT
Atrazine	~	~	~	ND	ND	NT
Benz(a)anthracene	1	1	1	ND	ND	NT
Benzaldehyde	~	~	~	ND	ND	NT
Benzo(a)pyrene	1	1	1	ND	ND	NT
Benzo(b)fluoranthene	1	1	1	ND	ND	NT
Benzo(ghi)perylene	100	100	100	ND	ND	NT
Benzo(k)fluoranthene	0.8	0.8	1	ND	ND	NT
Benzyl butyl phthalate	~	~	~	ND	ND	NT
Bis(2-chloroethoxy)methane	~	~	~	ND	ND	NT
Bis(2-chloroethyl)ether	~	~	~	ND	ND	NT
Bis(2-ethylhexyl)phthalate	~	~	~	ND	ND	NT
Caprolactam	~	~	~	ND	ND	NT
Carbazole	~	~	~	ND	ND	NT
Chrysene	1	1	1	ND	ND	NT
Dibenz(a,h)anthracene	0.33	0.33	0.33	ND	ND	NT
Dibenzofuran	~	7	14	ND	ND	NT
Diethyl phthalate	~	~	~	ND	ND	NT
Dimethylphthalate	~	~	~	ND	ND	NT
Di-n-butylphthalate	~	~	~	ND	ND	NT
Di-n-octylphthalate	~	~	~	ND	ND	NT
Fluoranthene	100	100	100	ND	ND	NT
Fluorene	30	30	100	ND	ND	NT
Hexachlorobenzene	~	0.33	0.33	ND	ND	NT
Hexachlorobutadiene	~	~	~	ND	ND	NT
Hexachlorocyclopentadiene	~	~	~	ND	ND	NT
Hexachloroethane	~	~	~	ND	ND	NT
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	ND	ND	NT
Isophorone	~	~	~	ND	ND	NT
Naphthalene	12	12	100	ND	ND	NT
Nitrobenzene	~	~	~	ND	ND	NT
N-Nitrosodimethylamine	~	~	~	ND	ND	NT
N-Nitrosodi-n-propylamine	~	~	~	ND	ND	NT
N-Nitrosodiphenylamine	~	~	~	ND	ND	NT
Pentachlorophenol	~	0.8	2.4	ND	ND	NT
Phenanthrene	100	100	100	ND	ND	NT
Phenol	~	0.33	100	ND	ND	NT
Pyrene	100	100	100	ND	ND	NT
1,4-dioxane By SW8260D	mg/kg			mg/kg		
1,4-dioxane	~	0.1	9.8	ND	ND	NT

Notes:
Exceedances of NYSDEC Part 375-6 soil cleanup objectives (SCOs) are formatted consistent with the SCO column headers.
mg/kg= millgrams per kilogram or parts per million (ppm)
% - percentage
ND - analyte not detected at or above the level indicated.
NT - Indicates the analyte was not a target for this sample
~ - Indicates that no regulatory limit has been established for this analyte.

LaBella
Powered by partnership.

APPENDIX 1

Soil Boring Logs

LaBella Powered by partnership. Soil Boring Log 4 British American Boulevard, Latham, NY	**PROJECT** Phase II Environmental Site Assessment 5149 County Route 113 Town of Greenwich, Washington County, New York	**BORING:** SB - 01 **SHEET** 1 of 1 **JOB:** 2233938 **CHKD BY:** BF **DATE:** 10/24/2023

CONTRACTOR: Core Down Drilling	BORING LOCATION: Rear/Downgradient of "Classroom" Building		TIME: 09:15 TO 09:45
DRILLER: Joe Bellucci	GROUND SURFACE ELEVATION NA		DATUM: NA
LABELLA REPRESENTATIVE: Branson Fields	START DATE: 10/24/23	END DATE: 10/24/23	WEATHER: M.Cloudy, ~40deg.F
TYPE OF DRILL RIG: Geoprobe 54DT		DRIVE SAMPLER TYPE: Macrocore	
AUGER SIZE AND TYPE: NA		INSIDE DIAMETER: 2-inch	
OVERBURDEN SAMPLING METHOD: Direct Push		OTHER: 4-feet core intervals	

DEPTH (FEET BGS)	SAMPLE: SAMPLE RECOVERY (INCHES)	SAMPLE: SAMPLE NO. AND DEPTH	SAMPLE: STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	36/48	No. 01 0 to 4-ft. bgs	Topsoil	6" Topsoil with vegetation	<1	Soil Sample: SB-01(6to7ft) 9:55
1			SM	30" Very loose, light brown, silty sand (vf-m), dry, non-plastic, NOSOI.		
2						
3						
4	30/48	No. 02 4 to 8-ft. bgs	SM	6" Same as above, NOSOI.	<1	
5				12" Same as above, moist, NOSOI.		
6				12" Very loose, light brown, silty sand (f-c) with gravel (A), moist, non-plastic, NOSOI.		
7						
8	24/48	No. 03 8 to 12 ft. bgs.	GM	24" Very loose, light brown, silty gravel (SA) with sand (f-c), moist, non-plastic, NOSOI.	<1	
9						
10						
11						
12	24/48	No. 04 12 to 16-ft. bgs	GM	24" Same as above, NOSOI	<1	
13						
14						
15						
16				End of Boring at 16-ft. bgs.		
17						
18						
19						
20						
21						
22						
23						
24						
25						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
					na	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface	and = 35 - 50%	C = Coarse	R = Rounded
NA = Not Applicable	some = 20 - 35%	M = Medium	A = Angular
	little = 10 - 20%	F = Fine	SR = Subrounded
	trace = 1 - 10%	VF = Very Fine	SA = Subangular

LaBella Powered by partnership. Soil Boring Log 4 British American Boulevard, Latham, NY	**PROJECT** Phase II Environmental Site Assessment 5149 County Route 113 Town of Greenwich, Washington County, New York	**BORING:** SB - 02 **SHEET** 1 of 1 **JOB:** 2233938 **CHKD BY:** BF **DATE:** 10/24/2023

CONTRACTOR:	Core Down Drilling	BORING LOCATION: South/Downgradient of Septic Leach Field		TIME:	10:00 TO 10:30
DRILLER:	Joe Bellucci	GROUND SURFACE ELEVATION	NA	DATUM:	NA
LABELLA REPRESENTATIVE: Branson Fields		START DATE: 10/24/23	END DATE: 10/24/23	WEATHER:	M.Cloudy, ~40deg.F

TYPE OF DRILL RIG: Geoprobe 54DT	DRIVE SAMPLER TYPE: Macrocore
AUGER SIZE AND TYPE: NA	INSIDE DIAMETER: 2-inch
OVERBURDEN SAMPLING METHOD: Direct Push	OTHER: 4-feet core intervals

DEPTH (FEET BGS)	SAMPLE: SAMPLE RECOVERY (INCHES)	SAMPLE: SAMPLE NO. AND DEPTH	SAMPLE: STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	39/48	No. 01 0 to 4-ft. bgs	Topsoil	6" Topsoil with vegetation	<1	Soil Sample: SB-02(7-8ft) 10:45
1			SM	33" Very loose, light brown, silty sand (vf-m), dry, non-plastic, NOSOI.		
2						
3						
4	30/48	No. 02 4 to 8-ft. bgs	SM	21" Same as above, moist, NOSOI.	<1	
5						
6			SM	9" Very loose, light brown, silty sand (f-c) with gravel (A); moist, non-plastic, NOSOI.		
7						
8	25/48	No. 03 8 to 12 ft. bgs.	GM	25" Very loose, dark brown, silty gravel (SR) with sand (f-m), moist, non-plastic, NOSOI.	<1	
9						
10						
11						
12	24/48	No. 04 12 to 16-ft. bgs	GM	24" Very loose, red/orange, silty gravel (SR), moist, non-plastic, little sand (f-m), NOSOI	<1	
13						
14						
15						
16				End of Boring at 16-ft. bgs.		
17						
18						
19						
20						
21						
22						
23						
24						
25						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
					na	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface	and = 35 - 50%	C = Coarse	R = Rounded
NA = Not Applicable	some = 20 - 35%	M = Medium	A = Angular
	little = 10 - 20%	F = Fine	SR = Subrounded
	trace = 1 - 10%	VF = Very Fine	SA = Subangular

LaBella Powered by partnership. Soil Boring Log 4 British American Boulevard, Latham, NY	**PROJECT** Phase II Environmental Site Assessment 5149 County Route 113 Town of Greenwich, Washington County, New York	**BORING:** SB - 03 **SHEET** 1 of _1 **JOB:** 2233938 **CHKD BY:** BF **DATE:** 10/24/2023

CONTRACTOR: Core Down Drilling	BORING LOCATION: South/Downgradient of Anomaly Adjacent "Barn" Building	TIME:	11:00 TO 11:30
DRILLER: Joe Bellucci	GROUND SURFACE ELEVATION NA	DATUM:	NA
LABELLA REPRESENTATIVE: Branson Fields	START DATE: 10/24/23 END DATE: 10/24/2023	WEATHER:	M.Cloudy, ~40deg.F
TYPE OF DRILL RIG: Geoprobe 54DT	DRIVE SAMPLER TYPE: Macrocore		
AUGER SIZE AND TYPE: NA	INSIDE DIAMETER: 2-inch		
OVERBURDEN SAMPLING METHOD: Direct Push	OTHER: 4-feet core intervals		

DEPTH (FEET BGS)	SAMPLE: SAMPLE RECOVERY (INCHES)	SAMPLE: SAMPLE NO. AND DEPTH	SAMPLE: STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	26/48	No. 01 0 to 4-ft. bgs	Topsoil	6" Topsoil with vegetation	<1	Soil Sample: SB-03(14-15ft) 11:45
1			SM	20" Very loose, light brown, silty sand (vf-c) with gravel (A), dry, non-plastic, NOSOI.		
2						
3						
4	38/48	No. 02 4 to 8-ft. bgs	SM	21" Same as above, moist, NOSOI.	<1	
5						
6			SM	17" Very loose, light brown, silty sand (f-c) with gravel (A), moist, non-plastic, NOSOI.		
7						
8	38/48	No. 03 8 to 12 ft. bgs.	SM	8" Very loose, dark brown, silty sand (f-c), moist, little gravel (A) non-plastic, NOSOI.	<1	
9			GM	30" Very loose, dark brown/red, silty gravel (A) with sand (f-c), moist, non-plastic, NOSOI.		
10						
11						
12	38/48	No. 04 12 to 16-ft. bgs	GM	38" Very loose, red/orange, silty gravel (A/SR), moist, non-plastic, little sand (f-c), NOSOI	<1	
13						
14						
15						
16				End of Boring at 16-ft. bgs.		
17						
18						
19						
20						
21						
22						
23						
24						
25						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
					na	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface	and = 35 - 50%	C = Coarse	R = Rounded
NA = Not Applicable	some = 20 - 35%	M = Medium	A = Angular
	little = 10 - 20%	F = Fine	SR = Subrounded
	trace = 1 - 10%	VF = Very Fine	SA = Subangular

APPENDIX 2

Laboratory Analytical Report

PHOENIX
Environmental Laboratories, Inc.

Thursday, November 09, 2023

Attn: Branson Fields
Labella Assosiates
4 British American Blvd
Latham, NY 12110

Project ID: T.GREENWICH-5149 CR 113
SDG ID: GCP33746
Sample ID#s: CP33746 - CP33748

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

November 09, 2023

SDG I.D.: GCP33746

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

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Sample Id Cross Reference

November 09, 2023

SDG I.D.: GCP33746

Project ID: T.GREENWICH-5149 CR 113

Client Id	Lab Id	Matrix
SB-01 (6-7FT)	CP33746	SOIL
SB-02 (7-8FT)	CP33747	SOIL
SB-03 (14-15FT)	CP33748	SOIL

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 09, 2023

FOR: Attn: Branson Fields
Labella Assosiates
4 British American Blvd
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	BF	10/24/23	9:55
Location Code:	LABELLA-LATHAM	Received by:	SR1	10/25/23	17:06
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2233938				

Laboratory Data

SDG ID: GCP33746
Phoenix ID: CP33746

Project ID: T.GREENWICH-5149 CR 113
Client ID: SB-01 (6-7FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.44	0.44	mg/Kg	1	10/31/23	IE	SW6010D
Aluminum	17100	67	mg/Kg	10	10/31/23	IE	SW6010D
Arsenic	4.08	0.89	mg/Kg	1	10/31/23	IE	SW6010D
Barium	122	0.44	mg/Kg	1	10/31/23	IE	SW6010D
Beryllium	0.82	0.36	mg/Kg	1	10/31/23	IE	SW6010D
Calcium	4900	6.7	mg/Kg	1	10/31/23	IE	SW6010D
Cadmium	0.91	0.44	mg/Kg	1	10/31/23	IE	SW6010D
Cobalt	11.4	0.44	mg/Kg	1	10/31/23	IE	SW6010D
Chromium	18.3	0.44	mg/Kg	1	10/31/23	IE	SW6010D
Copper	15.1	0.9	mg/kg	1	10/31/23	IE	SW6010D
Iron	33600	67	mg/Kg	10	10/31/23	IE	SW6010D
Mercury	< 0.03	0.03	mg/Kg	2	10/26/23	AL1	SW7471B
Potassium	1390	67	mg/Kg	10	10/31/23	IE	SW6010D
Magnesium	4260	6.7	mg/Kg	1	10/31/23	IE	SW6010D
Manganese	340	4.4	mg/Kg	10	10/31/23	IE	SW6010D
Sodium	263	6.7	mg/Kg	1	10/31/23	IE	SW6010D
Nickel	17.2	0.44	mg/Kg	1	10/31/23	IE	SW6010D
Lead	9.00	0.44	mg/Kg	1	10/31/23	IE	SW6010D
Antimony	< 4.4	4.4	mg/Kg	1	10/31/23	IE	SW6010D
Selenium	< 1.8	1.8	mg/Kg	1	10/31/23	IE	SW6010D
Thallium	< 4.0	4.0	mg/Kg	1	10/31/23	IE	SW6010D
Vanadium	36.6	0.44	mg/Kg	1	10/31/23	IE	SW6010D
Zinc	73.5	0.9	mg/Kg	1	10/31/23	IE	SW6010D
Percent Solid	77		%		10/25/23	CV	SW846-%Solid
Mercury Digestion	Completed				10/26/23	AL/AL	SW7471B
Soil Extraction for SVOA	Completed				10/30/23	B/A	SW3546
Total Metals Digest	Completed				10/26/23	B/AG	SW3050B

Project ID: T.GREENWICH-5149 CR 113
Client ID: SB-01 (6-7FT)

Phoenix I.D.: CP33746

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Volatiles (TCL)							
1,1,1-Trichloroethane	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
1,1,2-Trichloroethane	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
1,1-Dichloroethane	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
1,1-Dichloroethene	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
1,2-Dibromoethane	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
1,2-Dichlorobenzene	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
1,2-Dichloroethane	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
1,2-Dichloropropane	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
1,3-Dichlorobenzene	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
1,4-Dichlorobenzene	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
2-Hexanone	ND	0.028	mg/Kg	1	10/26/23	JLI	SW8260D
4-Methyl-2-pentanone	ND	0.028	mg/Kg	1	10/26/23	JLI	SW8260D
Acetone	ND	0.05	mg/Kg	1	10/26/23	JLI	SW8260D
Benzene	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
Bromochloromethane	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
Bromodichloromethane	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
Bromoform	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
Bromomethane	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
Carbon Disulfide	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
Carbon tetrachloride	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
Chlorobenzene	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
Chloroethane	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
Chloroform	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
Chloromethane	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
cis-1,2-Dichloroethene	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
cis-1,3-Dichloropropene	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
Cyclohexane	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
Dibromochloromethane	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
Dichlorodifluoromethane	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
Ethylbenzene	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
Isopropylbenzene	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
m&p-Xylene	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
Methyl ethyl ketone	ND	0.034	mg/Kg	1	10/26/23	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	0.011	mg/Kg	1	10/26/23	JLI	SW8260D
Methylacetate	ND	0.0045	mg/Kg	1	10/26/23	JLI	SW8260D
Methylcyclohexane	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
Methylene chloride	ND	0.028	mg/Kg	1	10/26/23	JLI	SW8260D
o-Xylene	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
Styrene	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
Tetrachloroethene	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
Toluene	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
Total Xylenes	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
trans-1,2-Dichloroethene	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D
trans-1,3-Dichloropropene	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D

Ver 1

Project ID: T.GREENWICH-5149 CR 113
Client ID: SB-01 (6-7FT)

Phoenix I.D.: CP33746

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Trichloroethene	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D	
Trichlorofluoromethane	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D	
Trichlorotrifluoroethane	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D	
Vinyl chloride	ND	0.0056	mg/Kg	1	10/26/23	JLI	SW8260D	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	96		%	1	10/26/23	JLI	70 - 130 %	
% Bromofluorobenzene	94		%	1	10/26/23	JLI	70 - 130 %	
% Dibromofluoromethane	96		%	1	10/26/23	JLI	70 - 130 %	
% Toluene-d8	91		%	1	10/26/23	JLI	70 - 130 %	
1,4-dioxane								
1,4-dioxane	ND	0.084	mg/Kg	1	10/26/23	JLI	SW8260D	
Semivolatiles								
1,1-Biphenyl	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D	
1,2,4,5-Tetrachlorobenzene	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D	1
2,3,4,6-tetrachlorophenol	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D	
2,4,5-Trichlorophenol	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D	
2,4,6-Trichlorophenol	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D	
2,4-Dichlorophenol	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D	
2,4-Dimethylphenol	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D	
2,4-Dinitrophenol	ND	0.67	mg/Kg	1	10/30/23	KCA	SW8270D	
2,4-Dinitrotoluene	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D	
2,6-Dinitrotoluene	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D	
2-Chloronaphthalene	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D	
2-Chlorophenol	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D	
2-Methylnaphthalene	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D	
2-Methylphenol (o-cresol)	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D	
2-Nitroaniline	ND	0.67	mg/Kg	1	10/30/23	KCA	SW8270D	
2-Nitrophenol	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	0.42	mg/Kg	1	10/30/23	KCA	SW8270D	1
3,3'-Dichlorobenzidine	ND	0.5	mg/Kg	1	10/30/23	KCA	SW8270D	
3-Nitroaniline	ND	0.67	mg/Kg	1	10/30/23	KCA	SW8270D	
4,6-Dinitro-2-methylphenol	ND	1.2	mg/Kg	1	10/30/23	KCA	SW8270D	
4-Bromophenyl phenyl ether	ND	0.42	mg/Kg	1	10/30/23	KCA	SW8270D	
4-Chloro-3-methylphenol	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D	
4-Chloroaniline	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D	
4-Chlorophenyl phenyl ether	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D	
4-Nitroaniline	ND	0.67	mg/Kg	1	10/30/23	KCA	SW8270D	
4-Nitrophenol	ND	1.2	mg/Kg	1	10/30/23	KCA	SW8270D	
Acenaphthene	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D	
Acenaphthylene	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D	
Acetophenone	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D	
Anthracene	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D	
Atrazine	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D	
Benz(a)anthracene	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D	
Benzaldehyde	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D	
Benzo(a)pyrene	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D	
Benzo(b)fluoranthene	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D	

Project ID: T.GREENWICH-5149 CR 113
Client ID: SB-01 (6-7FT)

Phoenix I.D.: CP33746

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Benzo(ghi)perylene	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D
Benzo(k)fluoranthene	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D
Benzyl butyl phthalate	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	0.42	mg/Kg	1	10/30/23	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D
Caprolactam	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D
Carbazole	ND	0.42	mg/Kg	1	10/30/23	KCA	SW8270D
Chrysene	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D
Dibenz(a,h)anthracene	ND	0.21	mg/Kg	1	10/30/23	KCA	SW8270D
Dibenzofuran	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D
Diethyl phthalate	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D
Dimethylphthalate	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D
Di-n-butylphthalate	ND	0.84	mg/Kg	1	10/30/23	KCA	SW8270D
Di-n-octylphthalate	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D
Fluoranthene	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D
Fluorene	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D
Hexachlorobenzene	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D
Hexachlorobutadiene	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D
Hexachlorocyclopentadiene	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D
Hexachloroethane	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D
Isophorone	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D
Naphthalene	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D
Nitrobenzene	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D
N-Nitrosodimethylamine	ND	0.42	mg/Kg	1	10/30/23	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	0.21	mg/Kg	1	10/30/23	KCA	SW8270D
N-Nitrosodiphenylamine	ND	0.42	mg/Kg	1	10/30/23	KCA	SW8270D
Pentachlorophenol	ND	0.42	mg/Kg	1	10/30/23	KCA	SW8270D
Phenanthrene	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D
Phenol	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D
Pyrene	ND	0.29	mg/Kg	1	10/30/23	KCA	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	71		%	1	10/30/23	KCA	30 - 130 %
% 2-Fluorobiphenyl	62		%	1	10/30/23	KCA	30 - 130 %
% 2-Fluorophenol	59		%	1	10/30/23	KCA	30 - 130 %
% Nitrobenzene-d5	56		%	1	10/30/23	KCA	30 - 130 %
% Phenol-d5	60		%	1	10/30/23	KCA	30 - 130 %
% Terphenyl-d14	67		%	1	10/30/23	KCA	30 - 130 %
SVOA Library Search Top 15	Completed				11/08/23	E	

Project ID: T.GREENWICH-5149 CR 113

Client ID: SB-01 (6-7FT)

Phoenix I.D.: CP33746

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

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

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

Comments:

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

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

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

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

Phyllis Shiller, Laboratory Director

November 09, 2023

Reviewed and Released by: Phyllis Shiller, Laboratory Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 09, 2023

FOR: Attn: Branson Fields
Labella Assosiates
4 British American Blvd
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	BF	10/24/23	10:45
Location Code:	LABELLA-LATHAM	Received by:	SR1	10/25/23	17:06
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2233938				

Laboratory Data

SDG ID: GCP33746
Phoenix ID: CP33747

Project ID: T.GREENWICH-5149 CR 113
Client ID: SB-02 (7-8FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.39	0.39	mg/Kg	1	10/31/23	IE	SW6010D
Aluminum	32600	5800	mg/Kg	1000	11/07/23	TH	SW6010D
Arsenic	4.93	0.78	mg/Kg	1	10/31/23	IE	SW6010D
Barium	90.5	0.39	mg/Kg	1	10/31/23	IE	SW6010D
Beryllium	0.97	0.31	mg/Kg	1	10/31/23	IE	SW6010D
Calcium	1380	5.8	mg/Kg	1	10/31/23	IE	SW6010D
Cadmium	1.99	0.39	mg/Kg	1	10/31/23	IE	SW6010D
Cobalt	15.0	0.39	mg/Kg	1	10/31/23	IE	SW6010D
Chromium	10.8	0.39	mg/Kg	1	10/31/23	IE	SW6010D
Copper	36.6	0.8	mg/kg	1	10/31/23	IE	SW6010D
Iron	69100	58	mg/Kg	10	10/31/23	IE	SW6010D
Mercury	< 0.03	0.03	mg/Kg	2	10/26/23	AL1	SW7471B
Potassium	620	5.8	mg/Kg	1	10/31/23	IE	SW6010D
Magnesium	11200	58	mg/Kg	10	10/31/23	IE	SW6010D
Manganese	1140	3.9	mg/Kg	10	10/31/23	IE	SW6010D
Sodium	28.2	5.8	mg/Kg	1	10/31/23	IE	SW6010D
Nickel	55.9	0.39	mg/Kg	1	10/31/23	IE	SW6010D
Lead	11.6	0.39	mg/Kg	1	10/31/23	IE	SW6010D
Antimony	< 3.9	3.9	mg/Kg	1	10/31/23	IE	SW6010D
Selenium	< 1.6	1.6	mg/Kg	1	10/31/23	IE	SW6010D
Thallium	< 3.5	3.5	mg/Kg	1	10/31/23	IE	SW6010D
Vanadium	23.2	0.39	mg/Kg	1	10/31/23	IE	SW6010D
Zinc	174	7.8	mg/Kg	10	10/31/23	IE	SW6010D
Percent Solid	87		%		10/25/23	CV	SW846-%Solid
Mercury Digestion	Completed				10/26/23	AL/AL	SW7471B
Soil Extraction for SVOA	Completed				10/30/23	B/A	SW3546
Total Metals Digest	Completed				10/26/23	B/AG	SW3050B

Ver 1

Project ID: T.GREENWICH-5149 CR 113
Client ID: SB-02 (7-8FT)

Phoenix I.D.: CP33747

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Volatiles (TCL)							
1,1,1-Trichloroethane	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
1,1,2-Trichloroethane	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
1,1-Dichloroethane	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
1,1-Dichloroethene	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
1,2-Dibromoethane	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
1,2-Dichlorobenzene	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
1,2-Dichloroethane	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
1,2-Dichloropropane	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
1,3-Dichlorobenzene	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
1,4-Dichlorobenzene	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
2-Hexanone	ND	0.017	mg/Kg	1	10/26/23	JLI	SW8260D
4-Methyl-2-pentanone	ND	0.017	mg/Kg	1	10/26/23	JLI	SW8260D
Acetone	ND	0.034	mg/Kg	1	10/26/23	JLI	SW8260D
Benzene	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
Bromochloromethane	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
Bromodichloromethane	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
Bromoform	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
Bromomethane	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
Carbon Disulfide	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
Carbon tetrachloride	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
Chlorobenzene	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
Chloroethane	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
Chloroform	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
Chloromethane	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
cis-1,2-Dichloroethene	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
cis-1,3-Dichloropropene	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
Cyclohexane	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
Dibromochloromethane	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
Dichlorodifluoromethane	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
Ethylbenzene	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
Isopropylbenzene	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
m&p-Xylene	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
Methyl ethyl ketone	ND	0.021	mg/Kg	1	10/26/23	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	0.0069	mg/Kg	1	10/26/23	JLI	SW8260D
Methylacetate	ND	0.0028	mg/Kg	1	10/26/23	JLI	SW8260D
Methylcyclohexane	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
Methylene chloride	ND	0.017	mg/Kg	1	10/26/23	JLI	SW8260D
o-Xylene	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
Styrene	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
Tetrachloroethene	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
Toluene	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
Total Xylenes	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
trans-1,2-Dichloroethene	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D
trans-1,3-Dichloropropene	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D

Ver 1

Project ID: T.GREENWICH-5149 CR 113
Client ID: SB-02 (7-8FT)

Phoenix I.D.: CP33747

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Trichloroethene	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D	
Trichlorofluoromethane	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D	
Trichlorotrifluoroethane	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D	
Vinyl chloride	ND	0.0034	mg/Kg	1	10/26/23	JLI	SW8260D	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	97		%	1	10/26/23	JLI	70 - 130 %	
% Bromofluorobenzene	94		%	1	10/26/23	JLI	70 - 130 %	
% Dibromofluoromethane	96		%	1	10/26/23	JLI	70 - 130 %	
% Toluene-d8	91		%	1	10/26/23	JLI	70 - 130 %	
1,4-dioxane								
1,4-dioxane	ND	0.052	mg/Kg	1	10/26/23	JLI	SW8260D	
Semivolatiles								
1,1-Biphenyl	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D	
1,2,4,5-Tetrachlorobenzene	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D	1
2,3,4,6-tetrachlorophenol	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D	
2,4,5-Trichlorophenol	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D	
2,4,6-Trichlorophenol	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D	
2,4-Dichlorophenol	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D	
2,4-Dimethylphenol	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D	
2,4-Dinitrophenol	ND	0.6	mg/Kg	1	10/30/23	KCA	SW8270D	
2,4-Dinitrotoluene	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D	
2,6-Dinitrotoluene	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D	
2-Chloronaphthalene	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D	
2-Chlorophenol	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D	
2-Methylnaphthalene	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D	
2-Methylphenol (o-cresol)	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D	
2-Nitroaniline	ND	0.6	mg/Kg	1	10/30/23	KCA	SW8270D	
2-Nitrophenol	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	0.37	mg/Kg	1	10/30/23	KCA	SW8270D	1
3,3'-Dichlorobenzidine	ND	0.45	mg/Kg	1	10/30/23	KCA	SW8270D	
3-Nitroaniline	ND	0.6	mg/Kg	1	10/30/23	KCA	SW8270D	
4,6-Dinitro-2-methylphenol	ND	1.1	mg/Kg	1	10/30/23	KCA	SW8270D	
4-Bromophenyl phenyl ether	ND	0.37	mg/Kg	1	10/30/23	KCA	SW8270D	
4-Chloro-3-methylphenol	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D	
4-Chloroaniline	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D	
4-Chlorophenyl phenyl ether	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D	
4-Nitroaniline	ND	0.6	mg/Kg	1	10/30/23	KCA	SW8270D	
4-Nitrophenol	ND	1.1	mg/Kg	1	10/30/23	KCA	SW8270D	
Acenaphthene	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D	
Acenaphthylene	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D	
Acetophenone	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D	
Anthracene	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D	
Atrazine	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D	
Benz(a)anthracene	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D	
Benzaldehyde	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D	
Benzo(a)pyrene	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D	
Benzo(b)fluoranthene	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D	

Project ID: T.GREENWICH-5149 CR 113
Client ID: SB-02 (7-8FT)

Phoenix I.D.: CP33747

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Benzo(ghi)perylene	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D
Benzo(k)fluoranthene	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D
Benzyl butyl phthalate	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg	1	10/30/23	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D
Caprolactam	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D
Carbazole	ND	0.37	mg/Kg	1	10/30/23	KCA	SW8270D
Chrysene	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D
Dibenz(a,h)anthracene	ND	0.19	mg/Kg	1	10/30/23	KCA	SW8270D
Dibenzofuran	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D
Diethyl phthalate	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D
Dimethylphthalate	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D
Di-n-butylphthalate	ND	0.75	mg/Kg	1	10/30/23	KCA	SW8270D
Di-n-octylphthalate	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D
Fluoranthene	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D
Fluorene	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D
Hexachlorobenzene	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D
Hexachlorobutadiene	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D
Hexachlorocyclopentadiene	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D
Hexachloroethane	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D
Isophorone	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D
Naphthalene	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D
Nitrobenzene	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D
N-Nitrosodimethylamine	ND	0.37	mg/Kg	1	10/30/23	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	0.19	mg/Kg	1	10/30/23	KCA	SW8270D
N-Nitrosodiphenylamine	ND	0.37	mg/Kg	1	10/30/23	KCA	SW8270D
Pentachlorophenol	ND	0.37	mg/Kg	1	10/30/23	KCA	SW8270D
Phenanthrene	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D
Phenol	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D
Pyrene	ND	0.26	mg/Kg	1	10/30/23	KCA	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	71		%	1	10/30/23	KCA	30 - 130 %
% 2-Fluorobiphenyl	61		%	1	10/30/23	KCA	30 - 130 %
% 2-Fluorophenol	58		%	1	10/30/23	KCA	30 - 130 %
% Nitrobenzene-d5	55		%	1	10/30/23	KCA	30 - 130 %
% Phenol-d5	60		%	1	10/30/23	KCA	30 - 130 %
% Terphenyl-d14	68		%	1	10/30/23	KCA	30 - 130 %
SVOA Library Search Top 15	Completed				11/08/23	E	

Project ID: T.GREENWICH-5149 CR 113

Client ID: SB-02 (7-8FT)

Phoenix I.D.: CP33747

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

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

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

Comments:

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

November 09, 2023

Reviewed and Released by: Phyllis Shiller, Laboratory Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 09, 2023

FOR: Attn: Branson Fields
Labella Assosiates
4 British American Blvd
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	BF	10/24/23	11:45
Location Code:	LABELLA-LATHAM	Received by:	SR1	10/25/23	17:06
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2233938				

Laboratory Data

SDG ID: GCP33746
Phoenix ID: CP33748

Project ID: T.GREENWICH-5149 CR 113
Client ID: SB-03 (14-15FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	89		%		10/25/23	CV	SW846-%Solid
Soil Extraction for SVOA PAH	Completed				10/27/23	H/JDW	SW3546
Volatiles- STARS/CP-51							
1,2,4-Trimethylbenzene	ND	0.00093	mg/Kg	1	10/26/23	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	0.00093	mg/Kg	1	10/26/23	JLI	SW8260D
Benzene	ND	0.0019	mg/Kg	1	10/26/23	JLI	SW8260D
Ethylbenzene	ND	0.0019	mg/Kg	1	10/26/23	JLI	SW8260D
Isopropylbenzene	ND	0.00093	mg/Kg	1	10/26/23	JLI	SW8260D
m&p-Xylene	ND	0.0019	mg/Kg	1	10/26/23	JLI	SW8260D
Methyl t-Butyl Ether (MTBE)	ND	0.00093	mg/Kg	1	10/26/23	JLI	SW8260D
Naphthalene	ND	0.00093	mg/Kg	1	10/26/23	JLI	SW8260D
n-Butylbenzene	ND	0.00093	mg/Kg	1	10/26/23	JLI	SW8260D
n-Propylbenzene	ND	0.00093	mg/Kg	1	10/26/23	JLI	SW8260D
o-Xylene	ND	0.0019	mg/Kg	1	10/26/23	JLI	SW8260D
p-Isopropyltoluene	ND	0.00093	mg/Kg	1	10/26/23	JLI	SW8260D
sec-Butylbenzene	ND	0.00093	mg/Kg	1	10/26/23	JLI	SW8260D
tert-Butylbenzene	ND	0.00093	mg/Kg	1	10/26/23	JLI	SW8260D
Toluene	ND	0.0019	mg/Kg	1	10/26/23	JLI	SW8260D
Total Xylenes	ND	0.0019	mg/Kg	1	10/26/23	JLI	SW8260D
QA/QC Surrogates							
% 1,2-Dichlorobenzene-d4	100		%	1	10/26/23	JLI	70 - 130 %
% Bromofluorobenzene	96		%	1	10/26/23	JLI	70 - 130 %
% Dibromofluoromethane	98		%	1	10/26/23	JLI	70 - 130 %
% Toluene-d8	98		%	1	10/26/23	JLI	70 - 130 %

Project ID: T.GREENWICH-5149 CR 113
Client ID: SB-03 (14-15FT)

Phoenix I.D.: CP33748

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Semivolatiles-STARS/CP-51							
Acenaphthene	ND	0.26	mg/Kg	1	10/29/23	KCA	SW8270D
Acenaphthylene	ND	0.26	mg/Kg	1	10/29/23	KCA	SW8270D
Anthracene	ND	0.26	mg/Kg	1	10/29/23	KCA	SW8270D
Benz(a)anthracene	ND	0.26	mg/Kg	1	10/29/23	KCA	SW8270D
Benzo(a)pyrene	ND	0.26	mg/Kg	1	10/29/23	KCA	SW8270D
Benzo(b)fluoranthene	ND	0.26	mg/Kg	1	10/29/23	KCA	SW8270D
Benzo(ghi)perylene	ND	0.26	mg/Kg	1	10/29/23	KCA	SW8270D
Benzo(k)fluoranthene	ND	0.26	mg/Kg	1	10/29/23	KCA	SW8270D
Chrysene	ND	0.26	mg/Kg	1	10/29/23	KCA	SW8270D
Dibenz(a,h)anthracene	ND	0.26	mg/Kg	1	10/29/23	KCA	SW8270D
Fluoranthene	ND	0.26	mg/Kg	1	10/29/23	KCA	SW8270D
Fluorene	ND	0.26	mg/Kg	1	10/29/23	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.26	mg/Kg	1	10/29/23	KCA	SW8270D
Naphthalene	ND	0.26	mg/Kg	1	10/29/23	KCA	SW8270D
Phenanthrene	ND	0.26	mg/Kg	1	10/29/23	KCA	SW8270D
Pyrene	ND	0.26	mg/Kg	1	10/29/23	KCA	SW8270D
QA/QC Surrogates							
% 2-Fluorobiphenyl	57		%	1	10/29/23	KCA	30 - 130 %
% Nitrobenzene-d5	57		%	1	10/29/23	KCA	30 - 130 %
% Terphenyl-d14	61		%	1	10/29/23	KCA	30 - 130 %

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:

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
November 09, 2023
Reviewed and Released by: Phyllis Shiller, Laboratory Director

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID
SB-01 (6-7FT)

Lab Name: Phoenix Environmental Labs Client: LABELLA-LATHAM

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCP33746

Matrix:(soil/water) SOIL Lab Sample ID: CP33746

Sample wt/vol: 15.46 (g/mL) g Lab File ID: 1030_13.D

Level: (low/med) Low Date Received: 10/25/23

% Moisture: not dec. 23 decanted:(Y/N) NA Date Extracted: 10/30/23

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 10/30/2023

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 1 (uL)

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	2.716	2400	JNA
023676-09-7	Benzoic acid, 4-ethoxy-, ethyl est	6.470	1500	JNC
052078-56-5	11-Tricosene	7.557	790	JN
018435-45-5	1-Nonadecene	9.079	960	JN

FORM I SEMIVOA-TIC

A - Indicates that the tentatively identified compound is a suspected aldol condensation product. Aldol condensation products are produced during the extraction process.
C - Indicates that the tentatively identified compound is a suspected prep artifact produced during extraction process.
Q - For TICS, this compound was quantitated using a calibration curve. This compound is part of the instrument method, but not part of the client target list.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID
SB-02 (7-8FT)

Lab Name: Phoenix Environmental Labs Client: LABELLA-LATHAM

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCP33746

Matrix:(soil/water) SOIL Lab Sample ID: CP33747

Sample wt/vol: 15.38 (g/mL) g Lab File ID: 1030_14.D

Level: (low/med) Low Date Received: 10/25/23

% Moisture: not dec. 13 decanted:(Y/N) NA Date Extracted: 10/30/23

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 10/30/2023

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 1 (uL)

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	2.716	2100	JNA
023676-09-7	Benzoic acid, 4-ethoxy-, ethyl est	6.470	950	JNC
018435-45-5	1-Nonadecene	9.079	630	JN
000301-02-0	9-Octadecenamide, (Z)-	9.890	510	JNC

FORM I SEMIVOA-TIC

A - Indicates that the tentatively identified compound is a suspected aldol condensation product. Aldol condensation products are produced during the extraction process.
C - Indicates that the tentatively identified compound is a suspected prep artifact produced during extraction process.
Q - For TICS, this compound was quantitated using a calibration curve. This compound is part of the instrument method, but not part of the client target list.

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

NY # 11301

QA/QC Report

November 09, 2023

QA/QC Data

SDG I.D.: GCP33746

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 703610 (mg/kg), QC Sample No: CP33802 2X (CP33746, CP33747)														
Mercury - Soil	BRL	0.03	<0.03	<0.03	NC	123	122	0.8	91.4	94.9	3.8	70 - 130	30	
Comment:														
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.														
QA/QC Batch 703536 (mg/kg), QC Sample No: CP33454 (CP33746, CP33747)														
ICP Metals - Soil														
Aluminum	BRL	5.0	11900	11200	6.10	105	102	2.9	NC			75 - 125	35	
Antimony	BRL	3.3	5.8	5.0	NC	111	112	0.9	86.0			75 - 125	35	
Arsenic	BRL	0.67	13.0	11.1	15.8	100	97.1	2.9	98.1			75 - 125	35	
Barium	BRL	0.33	141	130	8.10	102	99.7	2.3	94.2			75 - 125	35	
Beryllium	BRL	0.27	0.52	0.47	NC	98.3	93.6	4.9	97.0			75 - 125	35	
Cadmium	BRL	0.33	5.33	3.84	32.5	105	98.5	6.4	97.9			75 - 125	35	
Calcium	BRL	5.0	6710	4780	33.6	101	96.5	4.6	NC			75 - 125	35	
Chromium	BRL	0.33	69.4	78.9	12.8	102	99.5	2.5	92.1			75 - 125	35	
Cobalt	BRL	0.33	11.4	9.69	16.2	101	98.8	2.2	98.2			75 - 125	35	
Copper	BRL	0.67	134	133	0.70	95.7	94.8	0.9	92.9			75 - 125	35	
Iron	BRL	5.0	53200	50600	5.00	105	105	0.0	NC			75 - 125	35	
Lead	BRL	0.33	663	192	110	102	100	2.0	105			75 - 125	35	r
Magnesium	BRL	5.0	5460	4660	15.8	108	104	3.8	NC			75 - 125	35	
Manganese	BRL	0.33	457	444	2.90	112	99.1	12.2	82.7			75 - 125	35	
Nickel	BRL	0.33	46.7	205	126	103	99.6	3.4	94.3			75 - 125	35	r
Potassium	BRL	5.0	2930	2800	4.50	90.4	91.6	1.3	123			75 - 125	35	
Selenium	BRL	1.3	<1.5	<1.4	NC	102	98.7	3.3	94.4			75 - 125	35	
Silver	BRL	0.33	<3.9	1.00	NC	96.8	95.3	1.6	88.1			75 - 125	35	
Sodium	BRL	5.0	278	300	7.60	83.3	84.8	1.8	113			75 - 125	35	
Thallium	BRL	3.0	<3.4	<3.1	NC	101	96.7	4.4	97.0			75 - 125	35	
Vanadium	BRL	0.33	38.7	35.7	8.10	101	99.2	1.8	100			75 - 125	35	
Zinc	BRL	0.67	745	624	17.7	96.0	94.1	2.0	NC			75 - 125	35	
Comment:														
Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.														

r = This parameter is outside laboratory RPD specified recovery limits.

PHOENIX
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Tel. (860) 645-1102

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

November 09, 2023

QA/QC Data

SDG I.D.: GCP33746

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 703956 (mg/Kg), QC Sample No: CP33748 (CP33748)											
Polynuclear Aromatic HC - Soil											
Acenaphthene	ND	0.23	68	66	3.0	56	61	8.5	30 - 130	30	
Acenaphthylene	ND	0.23	66	62	6.3	55	59	7.0	40 - 140	30	
Anthracene	ND	0.23	70	67	4.4	60	63	4.9	40 - 140	30	
Benz(a)anthracene	ND	0.23	67	66	1.5	59	63	6.6	40 - 140	30	
Benzo(a)pyrene	ND	0.23	74	69	7.0	63	67	6.2	40 - 140	30	
Benzo(b)fluoranthene	ND	0.23	68	66	3.0	59	62	5.0	40 - 140	30	
Benzo(ghi)perylene	ND	0.23	76	70	8.2	64	67	4.6	40 - 140	30	
Benzo(k)fluoranthene	ND	0.23	70	70	0.0	63	63	0.0	40 - 140	30	
Chrysene	ND	0.23	70	69	1.4	59	65	9.7	40 - 140	30	
Dibenz(a,h)anthracene	ND	0.23	74	69	7.0	62	65	4.7	40 - 140	30	
Fluoranthene	ND	0.23	73	79	7.9	70	69	1.4	40 - 140	30	
Fluorene	ND	0.23	67	72	7.2	63	67	6.2	40 - 140	30	
Indeno(1,2,3-cd)pyrene	ND	0.23	73	69	5.6	62	66	6.3	40 - 140	30	
Naphthalene	ND	0.23	63	62	1.6	55	57	3.6	40 - 140	30	
Phenanthrene	ND	0.23	68	66	3.0	58	62	6.7	40 - 140	30	
Pyrene	ND	0.23	73	80	9.2	71	69	2.9	30 - 130	30	
% 2-Fluorobiphenyl	68	%	70	57	20.5	51	55	7.5	30 - 130	30	
% Nitrobenzene-d5	71	%	73	61	17.9	59	60	1.7	30 - 130	30	
% Terphenyl-d14	73	%	67	76	12.6	65	66	1.5	30 - 130	30	
QA/QC Batch 704104 (mg/Kg), QC Sample No: CP35727 (CP33746, CP33747)											
Semivolatiles - Soil											
1,1-Biphenyl	ND	0.23	60	61	1.7	60	57	5.1	40 - 140	30	
1,2,4,5-Tetrachlorobenzene	ND	0.23	62	63	1.6	63	58	8.3	40 - 140	30	
2,2'-Oxybis(1-Chloropropane)	ND	0.23	42	45	6.9	45	41	9.3	40 - 140	30	
2,3,4,6-tetrachlorophenol	ND	0.23	76	75	1.3	79	68	15.0	30 - 130	30	
2,4,5-Trichlorophenol	ND	0.23	76	76	0.0	77	70	9.5	40 - 140	30	
2,4,6-Trichlorophenol	ND	0.13	76	76	0.0	78	71	9.4	30 - 130	30	
2,4-Dichlorophenol	ND	0.13	71	72	1.4	76	67	12.6	30 - 130	30	
2,4-Dimethylphenol	ND	0.23	70	70	0.0	76	67	12.6	30 - 130	30	
2,4-Dinitrophenol	ND	0.23	80	84	4.9	84	58	36.6	30 - 130	30	r
2,4-Dinitrotoluene	ND	0.13	76	76	0.0	80	71	11.9	30 - 130	30	
2,6-Dinitrotoluene	ND	0.13	75	75	0.0	78	70	10.8	40 - 140	30	
2-Chloronaphthalene	ND	0.23	62	63	1.6	62	59	5.0	40 - 140	30	
2-Chlorophenol	ND	0.23	61	67	9.4	69	61	12.3	30 - 130	30	
2-Methylnaphthalene	ND	0.23	64	65	1.6	66	61	7.9	40 - 140	30	
2-Methylphenol (o-cresol)	ND	0.23	58	63	8.3	68	58	15.9	40 - 140	30	
2-Nitroaniline	ND	0.33	83	87	4.7	98	84	15.4	40 - 140	30	
2-Nitrophenol	ND	0.23	70	73	4.2	75	69	8.3	40 - 140	30	
3&4-Methylphenol (m&p-cresol)	ND	0.23	64	69	7.5	76	63	18.7	30 - 130	30	
3,3'-Dichlorobenzidine	ND	0.13	55	98	56.2	99	87	12.9	40 - 140	30	r
3-Nitroaniline	ND	0.33	67	86	24.8	96	81	16.9	40 - 140	30	

QA/QC Data

SDG I.D.: GCP33746

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
4,6-Dinitro-2-methylphenol	ND	0.23	84	86	2.4	89	70	23.9	30 - 130	30	
4-Bromophenyl phenyl ether	ND	0.23	71	71	0.0	71	67	5.8	40 - 140	30	
4-Chloro-3-methylphenol	ND	0.23	73	74	1.4	81	69	16.0	30 - 130	30	
4-Chloroaniline	ND	0.23	50	58	14.8	70	57	20.5	40 - 140	30	
4-Chlorophenyl phenyl ether	ND	0.23	68	68	0.0	69	63	9.1	40 - 140	30	
4-Nitroaniline	ND	0.23	71	71	0.0	77	67	13.9	40 - 140	30	
4-Nitrophenol	ND	0.23	86	96	11.0	109	89	20.2	30 - 130	30	
Acenaphthene	ND	0.23	64	64	0.0	65	59	9.7	30 - 130	30	
Acenaphthylene	ND	0.13	61	62	1.6	63	59	6.6	40 - 140	30	
Acetophenone	ND	0.23	54	58	7.1	59	52	12.6	40 - 140	30	
Anthracene	ND	0.23	68	68	0.0	70	65	7.4	40 - 140	30	
Atrazine	ND	0.13	58	69	17.3	73	68	7.1	40 - 140	30	
Benz(a)anthracene	ND	0.23	68	66	3.0	66	61	7.9	40 - 140	30	
Benzaldehyde	ND	0.23	63	66	4.7	71	45	44.8	40 - 140	30	r
Benzo(a)pyrene	ND	0.13	78	74	5.3	72	66	8.7	40 - 140	30	
Benzo(b)fluoranthene	ND	0.16	74	66	11.4	65	59	9.7	40 - 140	30	
Benzo(ghi)perylene	ND	0.23	78	70	10.8	71	67	5.8	40 - 140	30	
Benzo(k)fluoranthene	ND	0.23	74	67	9.9	67	62	7.8	40 - 140	30	
Benzyl butyl phthalate	ND	0.23	64	65	1.6	65	60	8.0	40 - 140	30	
Bis(2-chloroethoxy)methane	ND	0.23	58	60	3.4	61	55	10.3	40 - 140	30	
Bis(2-chloroethyl)ether	ND	0.13	54	53	1.9	57	48	17.1	40 - 140	30	
Bis(2-ethylhexyl)phthalate	ND	0.23	74	75	1.3	75	71	5.5	40 - 140	30	
Caprolactam	ND	0.23	73	73	0.0	85	67	23.7	40 - 140	30	
Carbazole	ND	0.23	69	69	0.0	73	66	10.1	40 - 140	30	
Chrysene	ND	0.23	69	67	2.9	66	62	6.3	40 - 140	30	
Dibenz(a,h)anthracene	ND	0.13	77	69	11.0	69	65	6.0	40 - 140	30	
Dibenzofuran	ND	0.23	64	63	1.6	65	60	8.0	40 - 140	30	
Diethyl phthalate	ND	0.23	68	67	1.5	71	62	13.5	40 - 140	30	
Dimethylphthalate	ND	0.23	68	67	1.5	70	62	12.1	40 - 140	30	
Di-n-butylphthalate	ND	0.67	74	72	2.7	74	67	9.9	40 - 140	30	
Di-n-octylphthalate	ND	0.23	66	68	3.0	68	63	7.6	40 - 140	30	
Fluoranthene	ND	0.23	72	71	1.4	70	62	12.1	40 - 140	30	
Fluorene	ND	0.23	67	65	3.0	68	62	9.2	40 - 140	30	
Hexachlorobenzene	ND	0.13	64	64	0.0	62	59	5.0	40 - 140	30	
Hexachlorobutadiene	ND	0.23	61	63	3.2	59	56	5.2	40 - 140	30	
Hexachlorocyclopentadiene	ND	0.23	60	62	3.3	40	44	9.5	40 - 140	30	
Hexachloroethane	ND	0.13	56	56	0.0	53	51	3.8	40 - 140	30	
Indeno(1,2,3-cd)pyrene	ND	0.23	77	70	9.5	71	66	7.3	40 - 140	30	
Isophorone	ND	0.13	54	55	1.8	57	51	11.1	40 - 140	30	
Naphthalene	ND	0.23	57	58	1.7	59	55	7.0	40 - 140	30	
Nitrobenzene	ND	0.13	53	58	9.0	60	53	12.4	40 - 140	30	
N-Nitrosodimethylamine	ND	0.23	55	58	5.3	61	51	17.9	40 - 140	30	
N-Nitrosodi-n-propylamine	ND	0.13	53	58	9.0	61	53	14.0	40 - 140	30	
N-Nitrosodiphenylamine	ND	0.13	64	67	4.6	71	63	11.9	40 - 140	30	
Pentachlorophenol	ND	0.23	84	84	0.0	85	74	13.8	30 - 130	30	
Phenanthrene	ND	0.13	67	66	1.5	65	60	8.0	40 - 140	30	
Phenol	ND	0.23	62	67	7.8	74	62	17.6	30 - 130	30	
Pyrene	ND	0.23	72	70	2.8	69	61	12.3	30 - 130	30	
% 2,4,6-Tribromophenol	70	%	69	68	1.5	70	64	9.0	30 - 130	30	
% 2-Fluorobiphenyl	63	%	61	61	0.0	60	57	5.1	30 - 130	30	
% 2-Fluorophenol	62	%	59	65	9.7	67	58	14.4	30 - 130	30	
% Nitrobenzene-d5	58	%	52	55	5.6	61	54	12.2	30 - 130	30	
% Phenol-d5	63	%	61	65	6.3	72	59	19.8	30 - 130	30	

QA/QC Data

SDG I.D.: GCP33746

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
% Terphenyl-d14	71	%	70	68	2.9	67	60	11.0	30 - 130	30	

Comment:

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

QA/QC Batch 703856 (mg/Kg), QC Sample No: CP33168 (CP33748)

Volatiles - Soil (Low Level)

1,2,4-Trimethylbenzene	ND	0.001	96	110	13.6	95	84	12.3	70 - 130	30	
1,3,5-Trimethylbenzene	ND	0.001	97	110	12.6	97	86	12.0	70 - 130	30	
Benzene	ND	0.001	92	106	14.1	103	96	7.0	70 - 130	30	
Ethylbenzene	ND	0.001	95	108	12.8	97	89	8.6	70 - 130	30	
Isopropylbenzene	ND	0.001	96	109	12.7	107	96	10.8	70 - 130	30	
m&p-Xylene	ND	0.002	96	109	12.7	96	88	8.7	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	0.001	90	105	15.4	102	96	6.1	70 - 130	30	
Naphthalene	ND	0.005	103	123	17.7	59	47	22.6	70 - 130	30	m
n-Butylbenzene	ND	0.001	97	111	13.5	67	59	12.7	70 - 130	30	m
n-Propylbenzene	ND	0.001	96	110	13.6	98	88	10.8	70 - 130	30	
o-Xylene	ND	0.002	97	110	12.6	97	89	8.6	70 - 130	30	
p-Isopropyltoluene	ND	0.001	97	111	13.5	80	69	14.8	70 - 130	30	m
sec-Butylbenzene	ND	0.001	96	109	12.7	83	73	12.8	70 - 130	30	
tert-Butylbenzene	ND	0.001	95	108	12.8	95	82	14.7	70 - 130	30	
Toluene	ND	0.001	91	106	15.2	99	91	8.4	70 - 130	30	
% 1,2-dichlorobenzene-d4	100	%	100	100	0.0	97	97	0.0	70 - 130	30	
% Bromofluorobenzene	98	%	101	101	0.0	93	94	1.1	70 - 130	30	
% Dibromofluoromethane	98	%	101	101	0.0	102	102	0.0	70 - 130	30	
% Toluene-d8	98	%	99	99	0.0	99	99	0.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%, 25-160% for Chloroethane-HL and Trichlorofluoromethane-HL.

QA/QC Batch 703677 (mg/Kg), QC Sample No: CP33565 (CP33746, CP33747)

Volatiles - Soil (Low Level)

1,1,1-Trichloroethane	ND	0.005	117	120	2.5	110	112	1.8	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	0.003	94	98	4.2	91	96	5.3	70 - 130	30	
1,1,2-Trichloroethane	ND	0.005	105	106	0.9	88	90	2.2	70 - 130	30	
1,1-Dichloroethane	ND	0.005	96	96	0.0	89	90	1.1	70 - 130	30	
1,1-Dichloroethene	ND	0.005	112	110	1.8	99	99	0.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	0.005	103	105	1.9	51	48	6.1	70 - 130	30	m
1,2,4-Trichlorobenzene	ND	0.005	99	100	1.0	56	54	3.6	70 - 130	30	m
1,2-Dibromo-3-chloropropane	ND	0.005	124	125	0.8	90	99	9.5	70 - 130	30	
1,2-Dibromoethane	ND	0.005	105	108	2.8	84	89	5.8	70 - 130	30	
1,2-Dichlorobenzene	ND	0.005	105	106	0.9	83	81	2.4	70 - 130	30	
1,2-Dichloroethane	ND	0.005	116	117	0.9	101	101	0.0	70 - 130	30	
1,2-Dichloropropane	ND	0.005	95	96	1.0	88	86	2.3	70 - 130	30	
1,3-Dichlorobenzene	ND	0.005	99	100	1.0	87	85	2.3	70 - 130	30	
1,4-Dichlorobenzene	ND	0.005	103	103	0.0	86	86	0.0	70 - 130	30	
1,4-dioxane	ND	0.1	81	83	2.4	109	103	5.7	70 - 130	30	
2-Hexanone	ND	0.025	79	82	3.7	15	10	40.0	70 - 130	30	m,r
4-Methyl-2-pentanone	ND	0.025	86	89	3.4	29	23	23.1	70 - 130	30	m
Acetone	ND	0.01	93	93	0.0	67	70	4.4	70 - 130	30	m
Benzene	ND	0.001	97	97	0.0	87	88	1.1	70 - 130	30	
Bromochloromethane	ND	0.005	102	101	1.0	88	88	0.0	70 - 130	30	
Bromodichloromethane	ND	0.005	121	122	0.8	106	107	0.9	70 - 130	30	
Bromoform	ND	0.005	131	138	5.2	96	101	5.1	70 - 130	30	l

QA/QC Data

SDG I.D.: GCP33746

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Bromomethane	ND	0.005	123	121	1.6	85	78	8.6	70 - 130	30	
Carbon Disulfide	ND	0.005	112	111	0.9	90	89	1.1	70 - 130	30	
Carbon tetrachloride	ND	0.005	136	136	0.0	120	123	2.5	70 - 130	30	l
Chlorobenzene	ND	0.005	103	105	1.9	91	91	0.0	70 - 130	30	
Chloroethane	ND	0.005	117	114	2.6	105	105	0.0	70 - 130	30	
Chloroform	ND	0.005	104	103	1.0	94	96	2.1	70 - 130	30	
Chloromethane	ND	0.005	94	89	5.5	68	70	2.9	70 - 130	30	m
cis-1,2-Dichloroethene	ND	0.005	99	97	2.0	87	87	0.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	0.005	113	114	0.9	87	88	1.1	70 - 130	30	
Cyclohexane	ND	0.005	88	89	1.1	80	80	0.0	70 - 130	30	
Dibromochloromethane	ND	0.003	132	132	0.0	105	110	4.7	70 - 130	30	l
Dichlorodifluoromethane	ND	0.005	117	111	5.3	83	86	3.6	70 - 130	30	
Ethylbenzene	ND	0.001	102	103	1.0	90	91	1.1	70 - 130	30	
Isopropylbenzene	ND	0.001	100	102	2.0	91	90	1.1	70 - 130	30	
m&p-Xylene	ND	0.002	99	100	1.0	78	78	0.0	70 - 130	30	
Methyl ethyl ketone	ND	0.005	79	83	4.9	43	41	4.8	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	0.001	114	112	1.8	97	99	2.0	70 - 130	30	
Methylacetate	ND	0.005	99	101	2.0	45	33	30.8	70 - 130	30	m,r
Methylcyclohexane	ND	0.005	97	99	2.0	84	83	1.2	70 - 130	30	
Methylene chloride	ND	0.005	108	105	2.8	95	96	1.0	70 - 130	30	
o-Xylene	ND	0.002	100	101	1.0	87	87	0.0	70 - 130	30	
Styrene	ND	0.005	98	98	0.0	77	75	2.6	70 - 130	30	
Tetrachloroethene	ND	0.005	111	109	1.8	102	102	0.0	70 - 130	30	
Toluene	ND	0.001	104	104	0.0	93	92	1.1	70 - 130	30	
trans-1,2-Dichloroethene	ND	0.005	110	108	1.8	97	98	1.0	70 - 130	30	
trans-1,3-Dichloropropene	ND	0.005	126	126	0.0	92	94	2.2	70 - 130	30	
Trichloroethene	ND	0.005	107	107	0.0	97	97	0.0	70 - 130	30	
Trichlorofluoromethane	ND	0.005	132	130	1.5	117	121	3.4	70 - 130	30	l
Trichlorotrifluoroethane	ND	0.005	120	121	0.8	112	111	0.9	70 - 130	30	
Vinyl chloride	ND	0.005	106	102	3.8	85	87	2.3	70 - 130	30	
% 1,2-dichlorobenzene-d4	96	%	101	102	1.0	98	98	0.0	70 - 130	30	
% Bromofluorobenzene	101	%	98	99	1.0	92	92	0.0	70 - 130	30	
% Dibromofluoromethane	99	%	97	99	2.0	94	98	4.2	70 - 130	30	
% Toluene-d8	91	%	101	100	1.0	101	100	1.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%, 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
November 09, 2023

Thursday, November 09, 2023

Criteria: NY: 375, 375COM, 375RRS, 375RS, CP51S

State: NY

Sample Criteria Exceedances Report

GCP33746 - LABELLA-LATHAM

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CP33747	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	55.9	0.39	30	30	mg/Kg
CP33747	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	174	7.8	109	109	mg/Kg

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

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

November 09, 2023 SDG I.D.: GCP33746

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

SVOA Narration

CHEM29 10/30/23-1: CP33746, CP33747

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 RSD% criteria: Bis(2-ethylhexyl)phthalate 21% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.
The following Initial Calibration compounds did not meet recommended response factors: % 2,4,6-Tribromophenol 0.043 (0.05), 2-Nitrophenol 0.041 (0.1), Bis(2-chloroethyl)ether 0.676 (0.7), Hexachlorobenzene 0.076 (0.1)
The following Initial Calibration compounds did not meet minimum response factors: % 2,4,6-Tribromophenol 0.043 (0.05), 2-Nitrophenol 0.041 (0.05)

The following Continuing Calibration compounds did not meet recommended response factors: % 2,4,6-Tribromophenol 0.046 (0.05), 2-Nitrophenol 0.045 (0.1), Bis(2-chloroethyl)ether 0.615 (0.7), Hexachlorobenzene 0.073 (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 10/26/23-1: CP33748

The following Initial Calibration compounds did not meet recommended response factors: Ethylbenzene 0.375 (0.4)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet recommended response factors: Ethylbenzene 0.322 (0.4)
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%.

CHEM18 10/25/23-2: CP33746, CP33747

The following Initial Calibration compounds did not meet RSD% criteria: 1,2-Dibromo-3-chloropropane 26% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.
The following Initial Calibration compounds did not meet recommended response factors: Bromoform 0.091 (0.1), Dibromochloromethane 0.192 (0.2)
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%.

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

NY Temperature Narration

November 09, 2023

SDG I.D.: GCP33746

The samples in this delivery group were received at 1.7°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

1.7

Cooler: Yes ☑ No ☐
Coolant: IPK ☐ ICE ☑ No ☐

Temp °C Pg 1 of 1

PHOENIX Environmental Laboratories, Inc.

CT/MA/RI CHAIN OF CUSTODY RECORD

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

Data Delivery/Contact Options:
☐ Fax:
☑ Phone: 720-626-6362
☐ Email: bfields@labellapc.com

Customer: LaBella Associates
Address: 4 British American Blvd
Latham, NY 12110

Project: T. Greenwich - 5149 CR 113
Report to: Branson Fields
Invoice to: APPK@labellapc.com
Quote #

Project P.O: 2233938

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification
Sampler's Signature: [signature] Date: 10/24/23

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 X = _____(Other)

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	*MS/MSD (May be billable at analysis unit rate)	TCL 8260 VOCs	TCL 8270 SVOCs	TAL Metals	CP-51 VOCs	CP-51 SVOCs	GL Amber 8 oz. [ ] w/H_2PO_4 [ ] $NAHSO_4$	Soil VOA Vials [1] methanol [2] H_2O	GL Soil container (4) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H_2SO_4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H_2SO_4 [ ] 250ml [ ] 500ml	PL HNO_3 250ml	PL NaOH 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
33746	SB-01 (6-7 ft)	S	10/24/23	0955		X	X	X					2	2								
33747	SB-02 (7-8 ft)	S	10/24/23	1045		X	X	X					2	2								
33748	SB-03 (14-15 ft)	S	10/24/23	1145					X	X			2	1								

Relinquished by:	Accepted by:	Date:	Time:
Branson Fields (LaBella)	Albany Service Center	10/25/23	0925
[signature]	[signature]	10/25/2023	1000
[signature]	[signature]	10/25	1906
			305

Comments, Special Requirements or Regulations:
EDD - NY CP-51 SOIL + Part 375 SCOs

Turnaround Time:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☐ 4 Days*
☐ 5 Days*
☑ Standard
☐ Other _____

RI
☐ RES DEC
☐ I/C DEC
☐ GA Leachability
☐ GB Leachability
☐ GA -GW Objectives
☐ GB -GW Objectives
☐ Other

CT
☐ RCP Cert
☐ GWPC
☐ SWPC
☐ GA PMC
☐ GB PMC
☐ SWPC
☐ RES DEC
☐ I/C DEC

MA
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ SW Protection
☐ RCS-1 / RCGW-1
☐ RCS-2 / RCGW-2
☐ _____

Data Format
☑ Excel
☑ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ Tier II Checklist*
☐ Full Data Package*
☐ Phoenix Std
☐ Other

*MS/MSD are considered site samples and will be billed as such in accordance with the prices quoted.

* SURCHARGES MAY APPLY

State where samples were collected: NY

* SURCHARGE APPLIES