FIELD SAMPLING SUMMARY REPORT

Coastal Resiliency

Manhattan, New York

Project ID: SANDRESPC

PREPARED FOR:

New York City Department of Design and Construction

30-30 Thomson Avenue

Third Floor

Long Island City, New York 11101

On Behalf of

NYCC/JPL JV
2400 E69th Street
Brooklyn, NY, 11234

PREPARED BY:
Gianco Environmental Services 35 Pinelawn Road, Suite 209E Melville, NY 11747

April, 2023

TABLE OF CONTENTS

1.0 INTRODUCTION 3

2.0 SITE DESCRIPTION 3

3.0 SAMPLING 3

4.0 INVESTIGATION RESULTS 6

5.0 CONCLUSION 13

LIST OF APPENDICES

A) SITE MAP
B) BORING LOGS
C) SITE PHOTOGRAPHS
D) LABORATORY REPORTS

1.0 INTRODUCTION

GIANCO Environmental Services (Gianco) and its representatives collected soil and groundwater sample sets along the Lower East Side, from Montgomery Street to East Houston Street in Manhattan, NY, on March 13th and 14th, 2023, for waste characterization and disposal purposes. The site sampling map, boring logs, photos, and laboratory reports are attached.

2.0 SITE DESCRIPTION

The East Side Coastal Resiliency (ESCR) Project is a coastal protection initiative jointly funded by the City of New York and the federal government, aimed at reducing flood risk due to coastal storms and sea level rise on Manhattan's East Side from East Houston Street to Montgomery Street.

The full project scope for SANDRESPC consists of the installation of coastal protection measures, aimed at reducing flood risk due to coastal storms and sea level rise on Manhattan's East Side from East Houston Street to Montgomery Street. These measures include the construction of new sewer, water mains and flood containment gates. The maximum depth of excavation for the work is approximately 40 feet. The Site encompasses several work zones from E 23rd Street Gouverneur Slip East.

3.0 SAMPLING

Sampling for waste characterization purposes was undertaken by Gianco. A total of twelve soil boring locations were achieved via a drilling rig to varying depths. Each soil boring location contained one grab sample from the highest Photoionization Detector (PID) reading (or utilizing olfactory senses) and one composite sample comprised of five distinct zones.

The grab sample was collected as follows: For in-situ sampling, each grab soil sample was collected from either the 6-inch interval above the water table (when encountered), the 6-inch interval above the bottom of the proposed excavation depth (where recovery allowed), or from the 6-inch interval showing the highest potential for contamination based on field observation.

The composite sample was collected as follows: grid sampling was performed for projects with excavation depth deeper than six (6) feet below grade. Each composite sample consisted of five (5) sample points collected from various intervals along the depth of excavation at each sampling location.

A total of four groundwater samples were collected from temporary wells using tubing and a foot valve from a 1-inch diameter PVC casing with approximately 5 feet of a 0.02-inch slotted screen. All samples were properly packed with ice and sent to Phoenix Environmental Laboratories, Inc., for analytical analysis.

The grab soil samples were analyzed for method 8260 for Volatile Organic Compounds (VOCs), while the composite soil samples were analyzed for the following:

- SVOC
- PCB
- Pesticides
- TAL metals
- DRO
- GRO
- Hexavalent Chromium
- Reactive Cyanide
- TCLP Metals
- Mercury
- Herbicides
- Ignitability
- Corrosivity
- Reactive Sulfide
- Hydrocarbons
- Paint filter test

Groundwater samples were analyzed for the following:

- Non polar material
- pH
- Temperature
- Flash Point
- Cadmium
- Hex Chromium
- Copper
- Lead
- Mercury
- Nickel
- Zinc
- Benzene
- Carbontetrachloride
- Chloroform
- 1,4-dichlorobenzene
- Ethylbenzene
- MTBE
- Napthalene
- Phenol
- PCE
- Toluene
- 1,2,4 Trichlorobenzene
- 1,1,1 Trichloroethane
- Total Xylenes
- Total Suspended Solids

4.0 INVESTIGATION RESULTS

The soil sample sets were labeled as SB-1 Composite through SB-4 Composite and SB-7 Composite through SB-14 Composite, while grab soil samples were labeled as follows:

- SB-1 Grab (9.5'-10')
- SB-2 Grab (9.5'-10')
- SB-3 Grab (12.5'-13')
- SB-04 Grab (9.5'-10')
- SB-07 Grab (1'-1.5')
- SB-08 Grab (6.5'-7')
- SB-09 Grab (5.5'-6')
- SB-10 Grab (6'-6.5')
- SB-11 Grab (14.5'-15')
- SB-12 Grab (7.5'-8')
- SB-13 Grab (7.5'-8')
- SB-14 Grab (7.5'-8')

The groundwater sets were labeled TW-04, TW-09, TW-11, and TW-13.

Soil samples were compared to the New York State Department of Environmental Conservation's (NYSDEC) Part 375 Commercial and Industrial criteria. Some composite soil samples exceeded at least one NYSDEC Part 375's commercial criteria, while none of the grab soil samples exceeded the Commercial criteria.

One composite soil sample (SB-10) exceeded the Environmental Protection Agency's (EPA) Toxicity Characteristic Leaching Procedure (TCLP) criteria for Lead (5 mg/L) with a result of 5.72 mg/L.

The following table contains the soil boring sample results that exceeded NYSDEC Part 375' Commercial and Industrial and/or EPA's TCLP criteria:

Table 1: Soil Boring Sample Results

PARAMETER	SAMPLE ID (RESULTS)	EPA'S TCLP TOXICITY CHARACTERISTIC LEACHING PROCEDURE (mg/L)	NYSDEC PART 375 COMMERCIAL CRITERIA (mg/kg)	NYSDEC PART 375 INDUSTRIAL CRITERIA (mg/kg)	Units
Barium	SB-07 COMPOSITE **(913)** SB-08 COMPOSITE **(1180)** SB-10 COMPOSITE **(400)**	N/A	400	10000	mg/kg
Copper	SB-08 COMPOSITE **(324)**	N/A	270	10000	mg/kg

Mercury	SB-08 COMPOSITE **(8.32)**	N/A	2.8	5.7	mg/kg
TCLP Lead	SB-10 COMPOSITE **(5.72)**	5	N/A	N/A	mg/L
Benz(a)anthracene	SB-13 COMPOSITE **(8.1)** SB-08 COMPOSITE **(9.6)** SB-10 COMPOSITE **(20)**	N/A	5.6	11	mg/kg
Benzo(a)pyrene	SB-13 COMPOSITE **(7.7)** SB-08 COMPOSITE **(9.2)** SB-10 COMPOSITE **(28)**	N/A	1	1.1	mg/kg
Benzo(b)fluoranthene	SB-13 COMPOSITE **(9.9)**	N/A	5.6	11	mg/kg

	SB-08 COMPOSITE **(11)** SB10 COMPOSITE **(31)**				
Dibenz(a,h)anthracene	SB-13 COMPOSITE **(1.3)** SB-08 COMPOSITE **(1.4)** SB-10 COMPOSITE **(4.1)**	N/A	0.56	1.1	mg/kg
Indeno(1,2,3-cd)pyrene	SB-08 COMPOSITE **(6.6)** SB-10 COMPOSITE **(14)**	N/A	5.6	11	mg/kg

Groundwater samples were compared to NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values – Table 1 – June 1998. All groundwater samples exceeded at least one action limit for one parameter.

The following table contains the groundwater sample results that exceeded NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values criteria:

Table 2: Groundwater Sample Results – NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values

PARAMETER	SAMPLE ID [RESULTS]	NYSDEC AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES – TABLE 1 – JUNE 1998	UNITS
Cadmium	TW-04 **[0.015]** TW-09 **[0.141]** TW-11 **[0.044]** TW-13 **[0.055]**	0.005	mg/L
Chromium	TW-04 **[0.335]** TW-09 **[0.791]** TW-11 **[0.459]** TW-13 **[0.677]**	0.05	mg/L

Lead	TW-04 **[0.105]** TW-09 **[1.57]** TW-11 **[0.508]** TW-13 **[0.612]**	0.025	mg/L
Nickel	TW-04 **[0.254]** TW-09 **[1.14]** TW-11 **[0.417]** TW-13 **[1.13]**	0.1	mg/L

Groundwater samples were compared to NYCDEP Table A dewatering effluent standards that are ≤ 10,000 gpd into Sanitary or Combined Sewers standards. All of the results passed the daily limits mentioned except all the wells exceeded Total Suspended Solids (TSS) and TW-09 exceeded the Non-polar Material limit (50 mg/l) with a result of 110 mg/l.

The following table contains the groundwater sample results that exceeded NYCDEP Table A dewatering effluent standards that are ≤ 10,000 gpd into Sanitary or Combined Sewers criteria:

Table 4: Groundwater Sample Results – NYCDEP Table A dewatering effluent standards that are ≤ 10,000 gpd into Sanitary or Combined Sewers

PARAMETER	TW-04 (SB-04) RESULTS	TW-09 (SB-09) RESULTS	TW-11 (SB-11) RESULTS	TW-13 (SB-13) RESULTS	DAILY LIMIT	UNITS	SAMPLE TYPE	MONTHLY LIMIT
Non-polar Material	1.5	**110**	2.5	2.9	50	mg/l	Instantaneous	---
pH (taken in the field)	7.4	7.6	7.1	7.1	5-12	SU's	Instantaneous	---
Temperature (taken in the field)	64.3	65.4	64.7	66.1	< 150	Degree F	Instantaneous	---
Flash Point (taken from associated soil boring composite)	200	200	200	200	>140	Degree F	Instantaneous	---
Cadmium	0.015	0.141	0.044	0.055	2	mg/l	Instantaneous	---
Chromium (VI)	ND	ND	ND	ND	5	mg/l	Instantaneous	---
Copper	ND	ND	ND	ND	5	mg/l	Instantaneous	---
Lead	0.105	1.57	0.508	0.612	2	mg/l	Instantaneous	---
Mercury	ND	ND	ND	ND	0.05	mg/l	Instantaneous	---
Nickel	0.254	1.14	0.417	1.13	3	mg/l	Instantaneous	---
Zinc	0.341	4.18	1.21	1.46	5	mg/l	Instantaneous	---
Benzene	ND	ND	ND	ND	134	ppb	Instantaneous	57
Carbontetrachloride	ND	ND	ND	ND	---	---	Composite	---
Chloroform	ND	ND	ND	ND	---	---	Composite	---
1,4 Dichlorobenzene	ND	ND	ND	ND	---	---	Composite	---
Ethylbenzene	ND	ND	ND	ND	380	ppb	Instantaneous	142
MTBE	ND	ND	ND	ND	50	ppb	Instantaneous	---
Naphthalene	ND	ND	ND	ND	47	ppb	Composite	19
Phenol	NA	NA	NA	NA	---	---	Composite	---
Tetrachloroethylene	ND	ND	ND	ND	20	ppb	Instantaneous	---

Toluene	ND	ND	ND	ND	74	ppb	Instantaneous	28
1,2,4 Trichlorobenzene	ND	ND	ND	ND	---	---	Composite	---
1,1,1 Trichloroethane	ND	ND	ND	ND	---	---	Composite	---
Xylenes (Total)	ND	ND	ND	ND	74	ppb	Instantaneous	28
Total Suspended Solids (TSS)	**95,000**	**160,000**	**50,000**	**53,000**	350	mg/l	Instantaneous	---

5.0 CONCLUSION

In summary, soil samples were compared to the New York State Department of Environmental Conservation's (NYSDEC) Part 375 Commercial and Industrial criteria. Some composite soil samples exceeded at least one NYSDEC Part 375's commercial criteria, while none of the grab soil samples exceeded the Commercial criteria. One composite soil sample (SB-10) exceeded the Environmental Protection Agency's (EPA) Toxicity Characteristic Leaching Procedure (TCLP) criteria for Lead (5 mg/L) with a result of 5.72 mg/L.

The groundwater analytical results did have detections that failed the NYSDEC TOGS 1.1.1 ambient values, but all of the results passed the daily limits mentioned in the NYCDEP Table A dewatering effluent standards that are ≤ 10,000 gpd into Sanitary or Combined Sewers, except all the wells exceeded Total Suspended Solids (TSS) and TW-09 exceeded the Non-polar Material limit (50 mg/l) with a result of 110 mg/l.

Respectfully submitted,

Jennifer Cherlin

Jennifer Cherlin
Senior Environmental Geologist

Appendix A

Site Map

	FSP - SOIL BORING LOCATIONS	INSTALLATION OF EAST SIDE COASTAL RESILIENCY BOROUGH OF MANHATTAN
		CAPITAL PROJECT NO. SANDRESPC · JPL · 10/11/2022

Appendix B

Boring Logs

SANDRESPC - EAST SIDE COASTAL RESILIENCY

Soil Borings

Soil Boring #	Project Location	Soil Boring Location	Soil Boring Depth (ft)	Temp. Well Depth (ft)
1	M-22 & M-23	Gouverneur Slip Between South St & Water St	10	N/A
2	M-22 & M-23	Water St. Between Jackson St & Gouverneur Slip E	10	N/A
3	M-22 & M-23	Jackson St. Between South St & Water St	13	N/A
4	M-22 & M-23	FDR Dr. Between Water St. & Cherry St	10	10
5	M-22 & M-23	FDR Dr. Between Water St. & Cherry St	POSTPONED*	POSTPONED*
6	M-22 & M-23	FDR Dr. Between Water St. & Cherry St	POSTPONED*	POSTPONED*
7	M-27	Between Grand St & Delancey St S	7	N/A
8	M-27	Between Grand St & Delancey St S	7	N/A
9	M-27	Delancey St. S Between Baruch Dr & Mangan St	25	25
10	M-28	Delancey St. N Between Baruch Dr & FDR Dr	7	N/A
11	M-28	Delancey St. N Between Baruch Dr & Lewis St	25	25
12	M-31	E. Houston St. Between Columbia St & Baruch Dr.	8	N/A
13	M-31	E. Houston St. Between Columbia St & Baruch Dr.	8	8
14	M-31	Columbia St. Between E Houston St & Delancey St N	8	N/A
15	M-37	Avenue C Between Avenue C Loop & E 20th St	POSTPONED*	POSTPONED*
16	M-38	E 20th St. Between 20th St Loop & Avenue C	POSTPONED*	POSTPONED*
17	M-38	Avenue C Between E 20th St & E 23rd St	POSTPONED*	POSTPONED*
18	M-38A	Avenue C Between E 20th St & E 23rd St	POSTPONED*	POSTPONED*
19	M-38B	E 23rd St. Between 1st Ave & FDR Dr.	POSTPONED*	POSTPONED*
20	M-39	South St. Between E 23rd St & E 25th St	POSTPONED*	POSTPONED*

SB-1 Core Log

PROJECT NUMBER 0770-105-001
PROJECT NAME SANDRESPC
CLIENT JPL
ADDRESS East Side Coastal Resiliency, NY, NY

DRILLING BEGIN DATE 3/13/2023
TOTAL DEPTH 10' BLS

DRILLING END DATE 3/13/2023
DEPTH TO WATER IN CORE 9.5' BLS

COMMENTS Grab samples are taken from the highest VOC detection/estimation. Composite samples are taken from 5 points from the surface to the bottom of the boring.

LOGGED BY Jennifer Cherlin

Depth (ft)	PID	Samples	% Recovery	Moisture	USCS	Graphic Log	Material Description
0	N/A	SB-1 Composite		Dry	Asphalt		Asphalt
1					SM		Medium dense, brown, silty sand and gravel, dry. Slight odors.
2							
3							
4							
5	Max 0.0ppm						
6							
7							
8							
9		SB-1 Grab					
10		(9.5-10')		Moist	ML		Medium, tan, clayey silt, wet.
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

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SB-2 Core Log

PROJECT NUMBER 0770-105-001
PROJECT NAME SANDRESPC
CLIENT JPL
ADDRESS East Side Coastal Resiliency, NY, NY

DRILLING BEGIN DATE 3/13/2023
TOTAL DEPTH 10' BLS

DRILLING END DATE 3/13/2023
DEPTH TO WATER IN CORE 8.5' BLS

COMMENTS Grab samples are taken from the highest VOC detection/estimation. Composite samples are taken from 5 points from the surface to the bottom of the boring.

LOGGED BY Jennifer Cherlin

Depth (ft)	PID	Samples	% Recovery	Moisture	USCS	Graphic Log	Material Description
0	N/A	SB-2 Composite		Dry	Asphalt		Asphalt
1					SM		Medium dense, brown, silty sand and gravel, dry and becomes moist at 8.5'. Slight odors.
2							
3							
4							
5	Max 0.0ppm						
6							
7							
8							
9		SB-2 Grab		Moist			
10		(9.5-10')					
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

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SB-3 Core Log

PROJECT NUMBER 0770-105-001
PROJECT NAME SANDRESPC
CLIENT JPL
ADDRESS East Side Coastal Resiliency, NY, NY

DRILLING BEGIN DATE 3/13/2023
TOTAL DEPTH 13' BLS

DRILLING END DATE 3/13/2023
DEPTH TO WATER IN CORE 12' BLS

COMMENTS Grab samples are taken from the highest VOC detection/estimation. Composite samples are taken from 5 points from the surface to the bottom of the boring.

LOGGED BY Jennifer Cherlin

Depth (ft)	PID	Samples	% Recovery	Moisture	USCS	Graphic Log	Material Description
0	N/A	SB-3 Composite		Moist	SM		Medium, brown, sand silt mix, some gravel, moist (rain)
1					Concrete		Concrete
2					ML		Medium, brown, clayey silt, moist (rain).
3							
4							
5	Max 0.0ppm						
6							
7					SM		Medium, silt sand mix, some gravel (weathered Mica), wet around 12'.
8							
9							
10							
11							
12		SB-3 Grab		Wet			
13		(12.5-13')					
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

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SB-4 (TW-4) Core Log

PROJECT NUMBER 0770-105-001
PROJECT NAME SANDRESPC
CLIENT JPL
ADDRESS East Side Coastal Resiliency, NY, NY

DRILLING BEGIN DATE 3/13/2023
TOTAL DEPTH 10' BLS
WELL DIAMETER 1"
CASING 1-inch diameter PVC
SCREEN 0.02-inch slotted screen

DRILLING END DATE 3/13/2023
DEPTH TO WATER IN CORE 7' BLS
WATER SAMPLED DATE 3/14/2023

COMMENTS Grab samples are taken from the highest VOC detection/estimation. Composite samples are taken from 5 points from the surface to the bottom of the boring.

LOGGED BY Jennifer Cherlin

Depth (ft)	PID	Samples	% Recovery	Moisture	USCS	Graphic Log	Material Description	Well Diagram
0	N/A	SB-4 Composite		Dry	Asphalt		Asphalt	TW-4
1					SM		Medium dense, brown, silty sand and gravel, dry.	
2								
3								
4								
5	Max 0.0ppm				ML		Medium, brown, clayey silt, wet.	
6								
7				Wet				
8								
9		SB-4 Grab						
10		(9.5-10')						
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

produced by ESlog.ESdat.net on 13 Apr 2023

SB-7 Core Log

PROJECT NUMBER 0770-105-001
PROJECT NAME SANDRESPC
CLIENT JPL
ADDRESS East Side Coastal Resiliency, NY, NY

DRILLING BEGIN DATE 3/13/2023
TOTAL DEPTH 7' BLS

DRILLING END DATE 3/13/2023
DEPTH TO WATER IN CORE Dry

COMMENTS Grab samples are taken from the highest VOC detection/estimation. Composite samples are taken from 5 points from the surface to the bottom of the boring.

LOGGED BY Jennifer Cherlin

Depth (ft)	PID	Samples	% Recovery	Moisture	USCS	Graphic Log	Material Description
0	N/A	SB-7 Composite		Dry	Asphalt		Asphalt
1		SB-7 Grab (1-1.5')			SM		Medium dense, reddish brown, silty sand and gravel, dry.
2							
3							
4	Max 0.0ppm						
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

SB-8 Core Log

PROJECT NUMBER 0770-105-001
PROJECT NAME SANDRESPC
CLIENT JPL
ADDRESS East Side Coastal Resiliency, NY, NY

DRILLING BEGIN DATE 3/13/2023
TOTAL DEPTH 7' BLS

DRILLING END DATE 3/13/2023
DEPTH TO WATER IN CORE Dry

COMMENTS Grab samples are taken from the highest VOC detection/estimation. Composite samples are taken from 5 points from the surface to the bottom of the boring.

LOGGED BY Jennifer Cherlin

Depth (ft)	PID	Samples	% Recovery	Moisture	USCS	Graphic Log	Material Description
0	N/A	SB-8 Composite		Dry	Asphalt		Asphalt
1					Concrete		Concrete
2					SM		Medium dense, grey, silty sand and gravel, dry.
3							
4	Max 0.0ppm						
5							
6		SB-8 Grab					
7		(6.5-7')					
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

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SB-9 (TW-9) Core Log

PROJECT NUMBER 0770-105-001
PROJECT NAME SANDRESPC
CLIENT JPL
ADDRESS East Side Coastal Resiliency, NY, NY

DRILLING BEGIN DATE 3/13/2023
TOTAL DEPTH 25' BLS
WELL DIAMETER 1"
CASING 1-inch diameter PVC
SCREEN 0.02-inch slotted screen

DRILLING END DATE 3/13/2023
DEPTH TO WATER IN CORE 7' BLS
WATER SAMPLED DATE 3/14/2023

COMMENTS Grab samples are taken from the highest VOC detection/estimation. Composite samples are taken from 5 points from the surface to the bottom of the boring.

LOGGED BY Jennifer Cherlin

Depth (ft)	PID	Samples	% Recovery	Moisture	USCS	Graphic Log	Material Description	Well Diagram TW-9
0	N/A	SB-9 Composite		Dry	Asphalt		Asphalt	
1					SM		Medium dense, brown, silty sand and gravel, dry.	
2								
3	Max 0.0ppm							
4								
5		SB-9 Grab (5.5-6')			ML		Medium, brown, clayey silt, wet at 7'. Sheen and odors.	
6								
7				Wet				
8								
9								
10								
11								
12								
13								
14								
15	N/A PID stopped working properly							
16								
17								
18								
19								
20								
21								
22								
23								
24								

produced by ESlog.ESdat.net on 13 Apr 2023

SB-10 Core Log

PROJECT NUMBER 0770-105-001
PROJECT NAME SANDRESPC
CLIENT JPL
ADDRESS East Side Coastal Resiliency, NY, NY

DRILLING BEGIN DATE 3/13/2023
TOTAL DEPTH 7' BLS

DRILLING END DATE 3/13/2023
DEPTH TO WATER IN CORE Dry

COMMENTS Grab samples are taken from the highest VOC detection/estimation. Composite samples are taken from 5 points from the surface to the bottom of the boring.

LOGGED BY Jennifer Cherlin

Depth (ft)	PID	Samples	% Recovery	Moisture	USCS	Graphic Log	Material Description
0	N/A	SB-10 Composite		Dry	Asphalt		Asphalt
1					SM		Medium dense, reddish brown, silty sand and gravel, dry. Some odors.
2							
3	N/A PID stopped working properly						
4							
5							
6		SB-10 Grab (6-6.5')					
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

SB-11 (TW-11) Core Log

PROJECT NUMBER 0770-105-001
PROJECT NAME SANDRESPC
CLIENT JPL
ADDRESS East Side Coastal Resiliency, NY, NY

DRILLING BEGIN DATE 3/14/2023
TOTAL DEPTH 25' BLS
WELL DIAMETER 1"
CASING 1-inch diameter PVC
SCREEN 0.02-inch slotted screen

DRILLING END DATE 3/14/2023
DEPTH TO WATER IN CORE 7' BLS
WATER SAMPLED DATE 3/14/2023

COMMENTS Grab samples are taken from the highest VOC detection/estimation. Composite samples are taken from 5 points from the surface to the bottom of the boring.

LOGGED BY Jennifer Cherlin

Depth (ft)	PID	Samples	% Recovery	Moisture	USCS	Graphic Log	Material Description	Well Diagram
0	N/A	SB-11 Composite		Dry	Asphalt		Asphalt	TW-11
1–6					SM		Medium dense, tan, silty sand and gravel, wet at 7'.	
7				Wet				
8–9								
10–12					CL		Medium, grey, silty clay, wet. Sheen and odors.	
13	Max 0.0ppm							
14		SB-11 Grab (14.5-15')						
15–16								
17–18					ML		Medium, brown, clayey silt. Sheen and odors.	
19–24								

SB-12 Core Log

PROJECT NUMBER 0770-105-001
PROJECT NAME SANDRESPC
CLIENT JPL
ADDRESS East Side Coastal Resiliency, NY, NY

DRILLING BEGIN DATE 3/14/2023
TOTAL DEPTH 8' BLS

DRILLING END DATE 3/14/2023
DEPTH TO WATER IN CORE 7' BLS

COMMENTS Grab samples are taken from the highest VOC detection/estimation. Composite samples are taken from 5 points from the surface to the bottom of the boring.

LOGGED BY Jennifer Cherlin

Depth (ft)	PID	Samples	% Recovery	Moisture	USCS	Graphic Log	Material Description
0		SB-12 Composite		Dry	Asphalt		Asphalt
1–4	Max 0.0ppm				SM		Medium dense, brown, silty sand and gravel, dry.
5–6					GP		Medium dense, grey, gravel sand mix, dry.
7–8		SB-12 Grab (7.5-8')		Wet	ML		Medium, grey, clayey silt, wet at 7'.

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SB-13 (TW-13) Core Log

PROJECT NUMBER 0770-105-001
PROJECT NAME SANDRESPC
CLIENT JPL
ADDRESS East Side Coastal Resiliency, NY, NY

DRILLING BEGIN DATE 3/14/2023
TOTAL DEPTH 10' BLS
WELL DIAMETER 1"
CASING 1-inch diameter PVC
SCREEN 0.02-inch slotted screen

DRILLING END DATE 3/14/2023
DEPTH TO WATER IN CORE 7.5' BLS
WATER SAMPLED DATE 3/14/2023

COMMENTS Grab samples are taken from the highest VOC detection/estimation. Composite samples are taken from 5 points from the surface to the bottom of the boring.

LOGGED BY Jennifer Cherlin

Depth (ft)	PID	Samples	% Recovery	Moisture	USCS	Graphic Log	Material Description	Well Diagram (TW-13)
0	N/A	SB-8 Composite		Dry	Asphalt		Asphalt	
1					SM		Medium dense, brown, silty sand and gravel, wet at 7.5'.	
2								
3								
4								
5	Max 0.0ppm							
6								
7		SB-13 Grab						
8		(7.5-8')		Wet				
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

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SB-14 Core Log

PROJECT NUMBER 0770-105-001
PROJECT NAME SANDRESPC
CLIENT JPL
ADDRESS East Side Coastal Resiliency, NY, NY

DRILLING BEGIN DATE 3/14/2023
TOTAL DEPTH 8' BLS

DRILLING END DATE 3/14/2023
DEPTH TO WATER IN CORE 7' BLS

COMMENTS Grab samples are taken from the highest VOC detection/estimation. Composite samples are taken from 5 points from the surface to the bottom of the boring.

LOGGED BY Jennifer Cherlin

Depth (ft)	PID	Samples	% Recovery	Moisture	USCS	Graphic Log	Material Description
0	Max 0.0ppm	SB-14 Composite		Dry	Asphalt		Asphalt
1–6					GP		Medium dense, reddish brown, gravel sand mix, dry.
6–7					ML		Medium, grey, brown silt, wet at 7'.
7–8		SB-14 Grab (7.5-8')		Wet			

Appendix C

Photolog

PHOTO 1:
Drill cuttings with Geoprobe

PHOTO 2:

Traffic control

PHOTO 3:

Traffic control and sampling equipment

PHOTO 4:

Geoprobe rig

PHOTO 5:

Temporary well

PHOTO 6:

Temporary well

Appendix D

Lab reports

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

Project Id : JPL-SANDRESPC

Lab Sample Id	Collection Date	Client Id	Matrix
CN59813	3/14/23	TB031423 LL	Soil
CN59814	3/14/23	FB031423	Water
CN59815	3/13/23	04 GRAB (9.5-	Soil
CN59816	3/13/23	SB-04 COMPOSITE	Soil
CN59817	3/14/23	TW-04	Ground Water
CN59818	3/14/23	TW-09	Ground Water
CN59819	3/14/23	TW-11	Ground Water
CN59820	3/14/23	TW-13	Ground Water
CN59821	3/13/23	3-09 GRAB (5.5-6	Soil
CN59822	3/13/23	SB-09 COMP	Soil
CN59823	3/14/23	TB HL	Soil
CN59824	3/14/23	1 GRAB (14.5	Soil
CN59825	3/14/23	SB-11 COMP	Soil
CN59826	3/14/23	-13 GRAB (7.5	Soil
CN59827	3/14/23	SB-13 COMPOSITE	Soil
CN59828	3/13/23	-1 GRAB (9.5-	Soil
CN59829	3/13/23	SB-1 COMPOSITE	Soil
CN59830	3/13/23	-2 GRAB (9.5-	Soil
CN59831	3/13/23	SB-2 COMPOSITE	Soil
CN59832	3/13/23	3 GRAB (12.5-	Soil
CN59833	3/13/23	SB-3 COMPOSITE	Soil
CN59834	3/13/23	07 GRAB (1-1	Soil
CN59835	3/13/23	SB-07 COMP	Soil
CN59836	3/13/23	08 GRAB (6.5	Soil
CN59837	3/13/23	SB08 COMPOSITE	Soil
CN59838	3/13/23	B10 GRAB (6-6.5	Soil
CN59839	3/13/23	SB10 COMP	Soil
CN59840	3/14/23	12 GRAB (7.5	Soil
CN59841	3/14/23	SB12 COMPOSITE	Soil
CN59842	3/14/23	14 GRAB (7.5	Soil
CN59843	3/14/23	SB14 COMPOSITE	Soil

Analyte	CAS	Units	EPA Toxicity Characteristics	CP-51 Soil - Gas/Fuel Oil	NY-Com.	NY-Ind.	NY-Res.	NY-ResRestrict	NY-UnRestricted SCO	TAGM-GW	TOGS 1.1.1 WQ/GA Table 1
Miscellaneous/Inorganics											
Percent Solid	PHNX - PCTSOLID	%									
Corrosivity	PHNX - CORROSIVITY	Pos/Neg									
Flash Point	PHNX - FLASH POINT	Degree F									
Chromium, Hex. (SW3060A digestion)	18540-29-9	mg/Kg			400	800	22	110	1		
Ignitability	PHNX - IGNITABILITY	degree F									
Paint Filter Test	PHNX - PAINTFILTER	PASS/FAIL									
Phenolics	64743-03-9	mg/L									
pH at 25C - Soil	PHNX - PH	pH Units									
pH	PHNX - PH	pH Units									
Reactivity Cyanide	PHNX - REACT CYANIDE	mg/Kg									
Reactivity Sulfide	PHNX - REACT SULFIDE	mg/Kg									
Reactivity	PHNX - REACTIVITY	Pos/Neg									
Redox Potential	PHNX - REDOX	mV									
O&G, Non-polar Material	PHNX - OIL-GREASE-NP	mg/L									
Total Suspended Solids	PHNX - TOTSUSPENDSOL	mg/L									
Metals, Total											
Aluminum	7429-90-5	mg/Kg									
Antimony	7440-36-0	mg/Kg									
Arsenic	7440-38-2	mg/Kg			16	16	16	16	13		
Barium	7440-39-3	mg/Kg			400	10,000	350	400	350		
Beryllium	7440-41-7	mg/Kg			590	2,700	14	72	7.2		
Cadmium	7440-43-9	mg/Kg			9.3	60	2.5	4.3	2.5		
Cadmium	7440-43-9	mg/L									0.005
Calcium	7440-70-2	mg/Kg									
Chromium	7440-47-3	mg/Kg									
Chromium	7440-47-3	mg/L									0.05
Chromium, Hexavalent	18540-29-9	mg/L									0.05
Cobalt	7440-48-4	mg/Kg									
Copper	7440-50-8	mg/Kg			270	10,000	270	270	50		
Iron	7439-89-6	mg/Kg									
Lead	7439-92-1	mg/L									0.025
Lead	7439-92-1	mg/Kg			1,000	3,900	400	400	63		
Magnesium	7439-95-4	mg/Kg									
Manganese	7439-96-5	mg/Kg			10,000	10,000	2,000	2,000	1,600		
Mercury	7439-97-6	mg/L									0.0007
Mercury	7439-97-6	mg/Kg			2.8	5.7	0.81	0.81	0.18		
Nickel	7440-02-0	mg/Kg			310	10,000	140	310	30		
Nickel	7440-02-0	mg/L									0.1
Potassium	9/7/40	mg/Kg									
Selenium	7782-49-2	mg/Kg			1,500	6,800	36	180	3.9		
Silver	7440-22-4	mg/Kg			1,500	6,800	36	180	2		
Sodium	7440-23-5	mg/Kg									
Thallium	7440-28-0	mg/Kg									
Vanadium	7440-62-2	mg/Kg									
Zinc	7440-66-6	mg/Kg			10,000	10,000	2,200	10,000	109		
Zinc	7440-66-6	mg/L									5
Metals, TCLP											
TCLP Aluminum	7429-90-5	mg/L									
TCLP Antimony	7440-36-0	mg/L									
TCLP Arsenic	7440-38-2	mg/L	5								
TCLP Barium	7440-39-3	mg/L	100								
TCLP Beryllium	7440-41-7	mg/L									
TCLP Cadmium	7440-43-9	mg/L	1								
TCLP Calcium	7440-70-2	mg/L									
TCLP Chromium	7440-47-3	mg/L	5								
TCLP Cobalt	7440-48-4	mg/L									
TCLP Copper	7440-50-8	mg/L									
TCLP Iron	7439-89-6	mg/L									
TCLP Lead	7439-92-1	mg/L	5								
TCLP Magnesium	7439-95-4	mg/L									
TCLP Manganese	7439-96-5	mg/L									
TCLP Mercury	7439-97-6	mg/L	0.2								
TCLP Nickel	7440-02-0	mg/L									
TCLP Selenium	7782-49-2	mg/L	1								
TCLP Silver	7440-22-4	mg/L	5								
TCLP Thallium	7440-28-0	mg/L									
TCLP Vanadium	7440-62-2	mg/L									
TCLP Zinc	7440-66-6	mg/L									
TPH By SW8015D DRO											
Fuel Oil #2 / Diesel Fuel	68476-30-2	mg/kg									
Fuel Oil #4	68476-31-3	mg/kg									
Fuel Oil #6	68553-00-4	mg/kg									
Kerosene	8008-20-6	mg/kg									
Motor Oil	PHNX - MOTOR OIL	mg/kg									
Total TPH	PHNX - TPH	mg/kg									
Unidentified	PHNX - OTHER OIL	mg/kg									
PCBs By SW8082A											
PCB-1016	12674-11-2	ug/Kg		1,000	1,000	25,000	1,000		100		
PCB-1221	11104-28-2	ug/Kg		1,000	1,000	25,000	1,000		100		
PCB-1232	11141-16-5	ug/Kg		1,000	1,000	25,000	1,000		100		
PCB-1242	53469-21-9	ug/Kg		1,000	1,000	25,000	1,000		100		
PCB-1248	12672-29-6	ug/Kg		1,000	1,000	25,000	1,000		100		
PCB-1254	11097-69-1	ug/Kg		1,000	1,000	25,000	1,000		100		
PCB-1260	11096-82-5	ug/Kg		1,000	1,000	25,000	1,000		100		
PCB-1262	37324-23-5	ug/Kg							100		
PCB-1268	11100-14-4	ug/Kg							100		

Analyte	Units	CN59816 Result	RL	CN59817 Result	RL	CN59818 Result	RL	CN59819 Result	RL	CN59820 Result	RL	CN59822 Result	RL
Percent Solid	%	83										83	
Corrosivity	Pos/Neg	Negative										Negative	
Flash Point	Degree F	>200	200	>200	200	>200	200	>200	200	>200	200	>200	200
Chromium, Hex. (SW3060A digestion)	mg/Kg	<0.47	0.47									<0.45	0.45
Ignitability	degree F	Passed	140	Passed	140	Passed	140	Passed	140	Passed	140	Passed	140
Paint Filter Test	PASS/FAIL	Passed										Passed	
Phenolics	mg/L			<0.015	0.015	0.043	0.015	<0.015	0.015	0.038	0.015		
pH at 25C - Soil	pH Units	7.93	1.00									7.8	1.00
pH	pH Units			7.52	1.00	7.77	1.00	7.29	1.00	7.01	1.00		
Reactivity Cyanide	mg/Kg	<6	6									<6	6
Reactivity Sulfide	mg/Kg	<20	20									<20	20
Reactivity	Pos/Neg	Negative										Negative	
Redox Potential	mV	266										-159	
O&G, Non-polar Material	mg/L			1.5	1.5	110	1.4	2.5	1.4	2.9	1.6		
Total Suspended Solids	mg/L			95,000	500	160,000	500	50,000	250	53,000	250		
Aluminum	mg/Kg	8,910	60									11,700	61
Antimony	mg/Kg	<4.0	4.0									<4.1	4.1
Arsenic	mg/Kg	2.55	0.80									2.21	0.81
Barium	mg/Kg	43.9	0.40									117	0.41
Beryllium	mg/Kg	0.44	0.32									0.81	0.33
Cadmium	mg/Kg	0.86	0.40									1.15	0.41
Cadmium	mg/L			0.015	0.001	0.141	0.001	0.044	0.001	0.055	0.001		
Calcium	mg/Kg	1,050	6.0									4,320	6.1
Chromium	mg/Kg	13.5	0.40									20.7	0.41
Chromium	mg/L			0.335	0.001	0.791	0.001	0.459	0.001	0.677	0.001		
Chromium, Hexavalent	mg/L			<0.02	0.02	<0.02	0.02	<0.02	0.02	<0.02	0.02		
Cobalt	mg/Kg	7.16	0.40									10.5	0.41
Copper	mg/Kg	44.7	0.8									91.6	0.8
Iron	mg/Kg	16,300	60									21,300	61
Lead	mg/L			0.105	0.001	1.57	0.001	0.508	0.001	0.612	0.001		
Lead	mg/Kg	16.8	0.40									84.4	0.41
Magnesium	mg/Kg	3,180	6.0									4,260	6.1
Manganese	mg/Kg	295	4.0									207	4.1
Mercury	mg/L			<0.0002	0.0002	<0.0002	0.0002	<0.0002	0.0002	<0.0002	0.0002		
Mercury	mg/Kg	0.07	0.03									0.04	0.03
Nickel	mg/Kg	16.1	0.40									27.4	0.41
Nickel	mg/L			0.254	0.001	1.14	0.001	0.417	0.001	1.13	0.001		
Potassium	mg/Kg	1,110	60									1,800	61
Selenium	mg/Kg	<1.6	1.6									<1.6	1.6
Silver	mg/Kg	<0.40	0.40									<0.41	0.41
Sodium	mg/Kg	320	6.0									348	6.1
Thallium	mg/Kg	<3.6	3.6									<3.7	3.7
Vanadium	mg/Kg	19.6	0.40									23	0.41
Zinc	mg/Kg	38.6	0.8									747	8.1
Zinc	mg/L			0.341	0.004	4.18	0.040	1.21	0.004	1.46	0.004		
TCLP Aluminum	mg/L	<1.0	1.0									<1.0	1.0
TCLP Antimony	mg/L	<0.060	0.060									<0.060	0.060
TCLP Arsenic	mg/L	<0.10	0.10									<0.10	0.10
TCLP Barium	mg/L	0.43	0.10									0.55	0.10
TCLP Beryllium	mg/L	<0.040	0.040									<0.040	0.040
TCLP Cadmium	mg/L	<0.050	0.050									<0.050	0.050
TCLP Calcium	mg/L	296	0.10									132	0.10
TCLP Chromium	mg/L	<0.10	0.10									<0.10	0.10
TCLP Cobalt	mg/L	<1.0	1.0									<1.0	1.0
TCLP Copper	mg/L	<0.10	0.10									<0.10	0.10
TCLP Iron	mg/L	<0.10	0.10									18.2	0.10
TCLP Lead	mg/L	0.14	0.10									<0.10	0.10
TCLP Magnesium	mg/L	5.82	0.10									5.55	0.10
TCLP Manganese	mg/L	1.87	0.10									1.35	0.10
TCLP Mercury	mg/L	<0.0002	0.0002									<0.0002	0.0002
TCLP Nickel	mg/L	<0.10	0.10									<0.10	0.10
TCLP Selenium	mg/L	<0.10	0.10									<0.10	0.10
TCLP Silver	mg/L	<0.10	0.10									<0.10	0.10
TCLP Thallium	mg/L	<0.050	0.050									<0.050	0.050
TCLP Vanadium	mg/L	<0.10	0.10									<0.10	0.10
TCLP Zinc	mg/L	<0.10	0.10									0.15	0.10
Fuel Oil #2 / Diesel Fuel	mg/kg	<59	59									<290	290
Fuel Oil #4	mg/kg	<59	59									<290	290
Fuel Oil #6	mg/kg	<59	59									<290	290
Kerosene	mg/kg	<59	59									<290	290
Motor Oil	mg/kg	<59	59									<290	290
Total TPH	mg/kg	<59	59									2,000	290
Unidentified	mg/kg	<59	59									**	290
PCB-1016	ug/Kg	<79	79									<79	79
PCB-1221	ug/Kg	<79	79									<79	79
PCB-1232	ug/Kg	<79	79									<79	79
PCB-1242	ug/Kg	<79	79									<79	79
PCB-1248	ug/Kg	<79	79									<79	79
PCB-1254	ug/Kg	<79	79									<79	79
PCB-1260	ug/Kg	<79	79									<79	79
PCB-1262	ug/Kg	<79	79									<79	79
PCB-1268	ug/Kg	<79	79									<79	79

Analyte	Units	CN59825 Result	RL	CN59827 Result	RL	CN59829 Result	RL	CN59831 Result	RL	CN59833 Result	RL
Percent Solid	%	74		91		91		91		86	
Corrosivity	Pos/Neg	Negative		Negative		Negative		Negative		Negative	
Flash Point	Degree F	>200	200	>200	200	>200	200	>200	200	>200	200
Chromium, Hex. (SW3060A digestion)	mg/Kg	<0.50	0.50	<0.43	0.43	<0.43	0.43	<0.41	0.41	<0.44	0.44
Ignitability	degree F	Passed	140	Passed	140	Passed	140	Passed	140	Passed	140
Paint Filter Test	PASS/FAIL	Passed		Passed		Passed		Passed		Passed	
pH at 25C - Soil	pH Units	7.88	1.00	11.9	1.00	11.7	1.00	8.71	1.00	8.94	1.00
Reactivity Cyanide	mg/Kg	<7	7	<5	5	<5	5	<5	5	<5	5
Reactivity Sulfide	mg/Kg	<20	20	<20	20	<20	20	<20	20	<20	20
Reactivity	Pos/Neg	Negative		Negative		Negative		Negative		Negative	
Redox Potential	mV	-156		-48.1		-34.1		170		139	
Aluminum	mg/Kg	9,390	69	6,200	56	14,500	53	6,970	49	9,130	53
Antimony	mg/Kg	<4.6	4.6	<3.7	3.7	<3.5	3.5	<3.3	3.3	<3.5	3.5
Arsenic	mg/Kg	3.64	0.93	2.27	0.74	4.43	0.70	1.62	0.65	3.04	0.71
Barium	mg/Kg	34.7	0.46	68	0.37	108	0.35	53.7	0.33	67.5	0.35
Beryllium	mg/Kg	0.49	0.37	0.35	0.30	0.94	0.28	0.41	0.26	0.44	0.28
Cadmium	mg/Kg	1.02	0.46	0.67	0.37	1.19	0.35	0.72	0.33	0.98	0.35
Calcium	mg/Kg	2,030	6.9	20,100	56	30,200	53	1,750	4.9	3,140	5.3
Chromium	mg/Kg	18	0.46	15.8	0.37	41.1	0.35	15.8	0.33	25.3	0.35
Cobalt	mg/Kg	8.32	0.46	6.49	0.37	10.5	0.35	7.06	0.33	7.59	0.35
Copper	mg/Kg	14.7	0.9	30.3	0.7	41.4	0.7	25.7	0.7	20	0.7
Iron	mg/Kg	19,800	69	12,300	56	25,100	53	14,100	49	20,000	53
Lead	mg/Kg	9.61	0.46	56.3	0.37	43.9	0.35	14.7	0.33	20	0.35
Magnesium	mg/Kg	4,180	6.9	3,630	5.6	10,200	53	2,900	4.9	3,280	5.3
Manganese	mg/Kg	263	4.6	266	3.7	743	3.5	313	3.3	491	3.5
Mercury	mg/Kg	<0.03	0.03	0.15	0.03	0.03	0.03	0.27	0.03	0.13	0.03
Nickel	mg/Kg	18.9	0.46	19.1	0.37	25.6	0.35	17.2	0.33	16.9	0.35
Potassium	mg/Kg	1,680	69	1,570	56	4,680	53	1,880	49	1,700	53
Selenium	mg/Kg	<1.9	1.9	<1.5	1.5	<1.4	1.4	<1.3	1.3	<1.4	1.4
Silver	mg/Kg	<0.46	0.46	<0.37	0.37	<0.35	0.35	<0.33	0.33	<0.35	0.35
Sodium	mg/Kg	157	6.9	529	5.6	879	5.3	1,530	4.9	558	5.3
Thallium	mg/Kg	<4.2	4.2	<3.3	3.3	<3.2	3.2	<2.9	2.9	<3.2	3.2
Vanadium	mg/Kg	23	0.46	21.6	0.37	47.3	0.35	25.1	0.33	24.5	0.35
Zinc	mg/Kg	54.3	0.9	52.9	0.7	139	0.7	60.7	0.7	45.9	0.7
TCLP Aluminum	mg/L	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
TCLP Antimony	mg/L	<0.060	0.060	<0.060	0.060	<0.060	0.060	<0.060	0.060	<0.060	0.060
TCLP Arsenic	mg/L	<0.10	0.10	<0.10	0.10	<0.10	0.10	<0.10	0.10	<0.10	0.10
TCLP Barium	mg/L	<0.10	0.10	0.38	0.10	0.35	0.10	0.43	0.10	0.39	0.10
TCLP Beryllium	mg/L	<0.040	0.040	<0.040	0.040	<0.040	0.040	<0.040	0.040	<0.040	0.040
TCLP Cadmium	mg/L	<0.050	0.050	<0.050	0.050	<0.050	0.050	<0.050	0.050	<0.050	0.050
TCLP Calcium	mg/L	13.5	0.10	479	0.10	415	0.10	61.3	0.10	94.8	0.10
TCLP Chromium	mg/L	<0.10	0.10	<0.10	0.10	<0.10	0.10	<0.10	0.10	<0.10	0.10
TCLP Cobalt	mg/L	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
TCLP Copper	mg/L	<0.10	0.10	<0.10	0.10	<0.10	0.10	<0.10	0.10	<0.10	0.10
TCLP Iron	mg/L	0.85	0.10	0.25	0.10	0.15	0.10	0.11	0.10	0.28	0.10
TCLP Lead	mg/L	<0.10	0.10	<0.10	0.10	<0.10	0.10	<0.10	0.10	<0.10	0.10
TCLP Magnesium	mg/L	3	0.10	27.4	0.10	20.4	0.10	3.31	0.10	11.8	0.10
TCLP Manganese	mg/L	0.59	0.10	1.08	0.10	0.63	0.10	0.43	0.10	1.84	0.10
TCLP Mercury	mg/L	<0.0002	0.0002	<0.0002	0.0002	<0.0002	0.0002	<0.0002	0.0002	<0.0002	0.0002
TCLP Nickel	mg/L	<0.10	0.10	<0.10	0.10	<0.10	0.10	<0.10	0.10	<0.10	0.10
TCLP Selenium	mg/L	<0.10	0.10	<0.10	0.10	<0.10	0.10	<0.10	0.10	<0.10	0.10
TCLP Silver	mg/L	<0.10	0.10	<0.10	0.10	<0.10	0.10	<0.10	0.10	<0.10	0.10
TCLP Thallium	mg/L	<0.050	0.050	<0.050	0.050	<0.050	0.050	<0.050	0.050	<0.050	0.050
TCLP Vanadium	mg/L	<0.10	0.10	<0.10	0.10	<0.10	0.10	<0.10	0.10	<0.10	0.10
TCLP Zinc	mg/L	<0.10	0.10	0.1	0.10	<0.10	0.10	0.14	0.10	<0.10	0.10
Fuel Oil #2 / Diesel Fuel	mg/kg	<66	66	<270	270	<270	270	<54	54	<57	57
Fuel Oil #4	mg/kg	<66	66	<270	270	<270	270	<54	54	<57	57
Fuel Oil #6	mg/kg	<66	66	<270	270	<270	270	<54	54	<57	57
Kerosene	mg/kg	<66	66	<270	270	<270	270	<54	54	<57	57
Motor Oil	mg/kg	<66	66	<270	270	<270	270	<54	54	<57	57
Total TPH	mg/kg	<66	66	470	270	<270	270	<54	54	<57	57
Unidentified	mg/kg	<66	66	**	270	<270	270	<54	54	<57	57
PCB-1016	ug/Kg	<87	87	<72	72	<73	73	<72	72	<76	76
PCB-1221	ug/Kg	<87	87	<72	72	<73	73	<72	72	<76	76
PCB-1232	ug/Kg	<87	87	<72	72	<73	73	<72	72	<76	76
PCB-1242	ug/Kg	<87	87	<72	72	<73	73	<72	72	<76	76
PCB-1248	ug/Kg	<87	87	<72	72	<73	73	<72	72	<76	76
PCB-1254	ug/Kg	<87	87	<72	72	<73	73	<72	72	<76	76
PCB-1260	ug/Kg	<87	87	<72	72	<73	73	<72	72	<76	76
PCB-1262	ug/Kg	<87	87	<72	72	<73	73	<72	72	<76	76
PCB-1268	ug/Kg	<87	87	<72	72	<73	73	<72	72	<76	76

Analyte	Units	CN59835 Result	RL	CN59837 Result	RL	CN59839 Result	RL	CN59841 Result	RL	CN59843 Result	RL
Percent Solid	%	87		84		82		82		82	
Corrosivity	Pos/Neg	Negative		Negative		Negative		Negative		Negative	
Flash Point	Degree F	>200	200	>200	200	>200	200	>200	200	>200	200
Chromium, Hex. (SW3060A digestion)	mg/Kg	<0.43	0.43	<0.46	0.46	<0.46	0.46	<0.43	0.43	<0.45	0.45
Ignitability	degree F	Passed	140	Passed	140	Passed	140	Passed	140	Passed	140
Paint Filter Test	PASS/FAIL	Passed		Passed		Passed		Passed		Passed	
pH at 25C - Soil	pH Units	9.86	1.00	9.56	1.00	8.95	1.00	11.8	1.00	7.69	1.00
Reactivity Cyanide	mg/Kg	<5	5	<6	6	<6	6	<6	6	<6	6
Reactivity Sulfide	mg/Kg	<20	20	<20	20	<20	20	<20	20	<20	20
Reactivity	Pos/Neg	Negative		Negative		Negative		Negative		Negative	
Redox Potential	mV	138		110		127		-173		-148	
Aluminum	mg/Kg	6,870	62	10,100	58	6,780	59	7,810	59	11,600	63
Antimony	mg/Kg	<4.1	4.1	<3.9	3.9	<4.0	4.0	<3.9	3.9	<4.2	4.2
Arsenic	mg/Kg	4.32	0.82	6.76	0.77	5.97	0.79	3.2	0.78	4.38	0.84
Barium	mg/Kg	913	0.41	1,180	0.39	400	0.40	62.1	0.39	62.9	0.42
Beryllium	mg/Kg	0.38	0.33	2.76	0.31	0.43	0.32	0.39	0.31	0.44	0.33
Cadmium	mg/Kg	1	0.41	3.19	0.39	1.6	0.40	0.79	0.39	0.93	0.42
Calcium	mg/Kg	69,100	62	68,000	58	30,000	59	30,500	59	1,120	6.3
Chromium	mg/Kg	14.3	0.41	48.1	0.39	16.1	0.40	30.1	0.39	16.9	0.42
Cobalt	mg/Kg	5.25	0.41	15.5	0.39	4.81	0.40	6.83	0.39	7.38	0.42
Copper	mg/Kg	46.7	0.8	324	7.7	37.7	0.8	27.8	0.8	15.4	0.8
Iron	mg/Kg	13,900	62	29,600	58	11,700	59	15,300	59	17,900	63
Lead	mg/Kg	280	4.1	658	3.9	263	4.0	61.9	0.39	10.7	0.42
Magnesium	mg/Kg	25,000	62	17,900	58	10,800	59	5,080	5.9	2,180	6.3
Manganese	mg/Kg	321	4.1	391	3.9	512	4.0	263	3.9	341	4.2
Mercury	mg/Kg	0.2	0.03	8.32	0.31	0.66	0.03	0.09	0.03	0.04	0.03
Nickel	mg/Kg	14.5	0.41	47.5	0.39	16.8	0.40	20.2	0.39	15.3	0.42
Potassium	mg/Kg	1,180	62	1,870	58	1,000	59	1,180	59	1,040	63
Selenium	mg/Kg	<1.6	1.6	<1.5	1.5	<1.6	1.6	<1.6	1.6	<1.7	1.7
Silver	mg/Kg	<0.41	0.41	<0.39	0.39	<0.40	0.40	<0.39	0.39	<0.42	0.42
Sodium	mg/Kg	1,360	6.2	845	5.8	839	5.9	296	5.9	562	6.3
Thallium	mg/Kg	<3.7	3.7	<3.5	3.5	<3.6	3.6	<3.5	3.5	<3.8	3.8
Vanadium	mg/Kg	25.5	0.41	49.4	0.39	30.2	0.40	31.6	0.39	24.9	0.42
Zinc	mg/Kg	349	8.2	2,730	77	401	7.9	80.6	0.8	31.2	0.8
TCLP Aluminum	mg/L	<1.0	1.0	1.6	1.0	5.4	1.0	<1.0	1.0	<1.0	1.0
TCLP Antimony	mg/L	<0.060	0.060	<0.060	0.060	<0.060	0.060	<0.060	0.060	<0.060	0.060
TCLP Arsenic	mg/L	<0.10	0.10	<0.10	0.10	<0.10	0.10	<0.10	0.10	<0.10	0.10
TCLP Barium	mg/L	0.73	0.10	1.28	0.10	1.06	0.10	0.4	0.10	0.35	0.10
TCLP Beryllium	mg/L	<0.040	0.040	<0.040	0.040	<0.040	0.040	<0.040	0.040	<0.040	0.040
TCLP Cadmium	mg/L	<0.050	0.050	<0.050	0.050	<0.050	0.050	<0.050	0.050	<0.050	0.050
TCLP Calcium	mg/L	733	0.10	1,600	0.10	946	0.10	467	0.10	42.6	0.10
TCLP Chromium	mg/L	<0.10	0.10	<0.10	0.10	<0.10	0.10	<0.10	0.10	<0.10	0.10
TCLP Cobalt	mg/L	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
TCLP Copper	mg/L	<0.10	0.10	0.27	0.10	0.13	0.10	<0.10	0.10	<0.10	0.10
TCLP Iron	mg/L	<0.10	0.10	0.1	0.10	0.67	0.10	0.82	0.10	0.11	0.10
TCLP Lead	mg/L	<0.10	0.10	1.31	0.10	5.72	0.10	<0.10	0.10	<0.10	0.10
TCLP Magnesium	mg/L	16.2	0.10	33.6	0.10	124	0.10	17.4	0.10	3.29	0.10
TCLP Manganese	mg/L	1.52	0.10	2.85	0.10	6.62	0.10	1.82	0.10	1.57	0.10
TCLP Mercury	mg/L	<0.0002	0.0002	<0.0002	0.0002	<0.0002	0.0002	<0.0002	0.0002	<0.0002	0.0002
TCLP Nickel	mg/L	<0.10	0.10	<0.10	0.10	<0.10	0.10	<0.10	0.10	<0.10	0.10
TCLP Selenium	mg/L	<0.10	0.10	<0.10	0.10	<0.10	0.10	<0.10	0.10	<0.10	0.10
TCLP Silver	mg/L	<0.10	0.10	<0.10	0.10	<0.10	0.10	<0.10	0.10	<0.10	0.10
TCLP Thallium	mg/L	<0.050	0.050	<0.050	0.050	<0.050	0.050	<0.050	0.050	<0.050	0.050
TCLP Vanadium	mg/L	<0.10	0.10	<0.10	0.10	<0.10	0.10	<0.10	0.10	<0.10	0.10
TCLP Zinc	mg/L	0.57	0.10	7.33	0.10	4.2	0.10	0.22	0.10	<0.10	0.10
Fuel Oil #2 / Diesel Fuel	mg/kg	<280	280	<290	290	<590	590	<300	300	<61	61
Fuel Oil #4	mg/kg	<280	280	<290	290	<590	590	<300	300	<61	61
Fuel Oil #6	mg/kg	<280	280	<290	290	<590	590	<300	300	<61	61
Kerosene	mg/kg	<280	280	<290	290	<590	590	<300	300	<61	61
Motor Oil	mg/kg	<280	280	<290	290	<590	590	<300	300	<61	61
Total TPH	mg/kg	<280	280	740	290	2,000	590	<300	300	<61	61
Unidentified	mg/kg	<280	280	**	290	**	590	<300	300	<61	61
PCB-1016	ug/Kg	<76	76	<78	78	<79	79	<81	81	<79	79
PCB-1221	ug/Kg	<76	76	<78	78	<79	79	<81	81	<79	79
PCB-1232	ug/Kg	<76	76	<78	78	<79	79	<81	81	<79	79
PCB-1242	ug/Kg	<76	76	<78	78	<79	79	<81	81	<79	79
PCB-1248	ug/Kg	<76	76	<78	78	<79	79	<81	81	<79	79
PCB-1254	ug/Kg	<76	76	<78	78	<79	79	<81	81	<79	79
PCB-1260	ug/Kg	<76	76	<78	78	<79	79	<81	81	<79	79
PCB-1262	ug/Kg	<76	76	<78	78	<79	79	<81	81	<79	79
PCB-1268	ug/Kg	<76	76	<78	78	<79	79	<81	81	<79	79

Volatiles By SW8260C

Analyte	CAS	Units	TAGM-GW	TOGS 1.1.1 WQ/GA Table 1	CN59814 Result	RL	CN59817 Result	RL	CN59818 Result	RL	CN59819 Result	RL	CN59820 Result	RL
1,1,1,2-Tetrachloroethane	630-20-6	ug/L		5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
1,1,1-Trichloroethane	71-55-6	ug/L	5	5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5	5	<0.50	0.50	<0.50	0.50	<1.0	1.0	<1.0	1.0	<0.50	0.50
1,1,2-Trichloroethane	79-00-5	ug/L		1	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
1,1-Dichloroethane	75-34-3	ug/L	5	5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
1,1-Dichloroethene	75-35-4	ug/L	5	5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
1,1-Dichloropropene	563-58-6	ug/L		5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
1,2,3-Trichlorobenzene	87-61-6	ug/L			<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
1,2,3-Trichloropropane	96-18-4	ug/L	5	0.04	<0.25	0.25	<0.25	0.25	<0.50	0.50	<0.50	0.50	<0.25	0.25
1,2,4-Trichlorobenzene	120-82-1	ug/L			<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
1,2,4-Trimethylbenzene	95-63-6	ug/L		5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
1,2-Dibromo-3-chloropropane	96-12-8	ug/L		0.04	<0.50	0.50	<0.50	0.50	<1.0	1.0	<1.0	1.0	<0.50	0.50
1,2-Dibromoethane	106-93-4	ug/L		0.0006	<0.25	0.25	<0.25	0.25	<0.50	0.50	<0.50	0.50	<0.25	0.25
1,2-Dichlorobenzene	95-50-1	ug/L	4.7		<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
1,2-Dichloroethane	107-06-2	ug/L	5	0.6	<0.60	0.60	<0.60	0.60	<0.60	0.60	<0.60	0.60	<0.60	0.60
1,2-Dichloropropane	78-87-5	ug/L		1	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
1,3,5-Trimethylbenzene	108-67-8	ug/L		5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
1,3-Dichlorobenzene	541-73-1	ug/L	5	3	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
1,3-Dichloropropane	142-28-9	ug/L	5	5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
1,4-Dichlorobenzene	106-46-7	ug/L	5		<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
2,2-Dichloropropane	594-20-7	ug/L		5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
2-Chlorotoluene	95-49-8	ug/L		5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
2-Hexanone	591-78-6	ug/L		50	<5.0	5.0	<5.0	5.0	<10	10	<10	10	<5.0	5.0
2-Isopropyltoluene	527-84-4	ug/L		5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
4-Chlorotoluene	106-43-4	ug/L		5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
4-Methyl-2-pentanone	108-10-1	ug/L	50		<5.0	5.0	<5.0	5.0	<10	10	<10	10	<5.0	5.0
Acetone	67-64-1	ug/L	50	50	<25	25	<25	25	<50	50	<50	50	<25	25
Acrylonitrile	107-13-1	ug/L		5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
Benzene	71-43-2	ug/L	0.7	1	<0.70	0.70	<0.70	0.70	<0.70	0.70	<0.70	0.70	<0.70	0.70
Bromobenzene	108-86-1	ug/L		5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
Bromochloromethane	74-97-5	ug/L		5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
Bromodichloromethane	75-27-4	ug/L		50	<0.50	0.50	<0.50	0.50	<1.0	1.0	<1.0	1.0	<0.50	0.50
Bromoform	75-25-2	ug/L		50	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
Bromomethane	74-83-9	ug/L		5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
Carbon Disulfide	75-15-0	ug/L	50		<5.0	5.0	<5.0	5.0	<10	10	<10	10	<5.0	5.0
Carbon tetrachloride	56-23-5	ug/L	5	5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
Chlorobenzene	108-90-7	ug/L	5	5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
Chloroethane	75-00-3	ug/L	50	5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
Chloroform	67-66-3	ug/L	7	7	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
Chloromethane	74-87-3	ug/L		5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
cis-1,2-Dichloroethene	156-59-2	ug/L		5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
cis-1,3-Dichloropropene	10061-01-5	ug/L		0.4	<0.40	0.40	<0.40	0.40	<0.40	0.40	<0.40	0.40	<0.40	0.40
Dibromochloromethane	124-48-1	ug/L	50	50	<0.50	0.50	<0.50	0.50	<1.0	1.0	<1.0	1.0	<0.50	0.50
Dibromomethane	74-95-3	ug/L		5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
Dichlorodifluoromethane	75-71-8	ug/L		5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
Ethylbenzene	100-41-4	ug/L	5	5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
Hexachlorobutadiene	87-68-3	ug/L		0.5	<0.40	0.40	<0.40	0.40	<0.50	0.50	<0.50	0.50	<0.40	0.40
Isopropylbenzene	98-82-8	ug/L		5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
m&p-Xylene	179601-23-1	ug/L			<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
Methyl ethyl ketone	78-93-3	ug/L	50	50	<5.0	5.0	<5.0	5.0	<10	10	<10	10	<5.0	5.0
Methyl t-butyl ether (MTBE)	1634-04-4	ug/L			<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
Methylene chloride	75-09-2	ug/L	5	5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
Naphthalene	91-20-3	ug/L	5	10	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
n-Butylbenzene	104-51-8	ug/L		5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
n-Propylbenzene	103-65-1	ug/L		5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
o-Xylene	95-47-6	ug/L	5	5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
p-Isopropyltoluene	99-87-6	ug/L		5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
sec-Butylbenzene	135-98-8	ug/L		5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
Styrene	100-42-5	ug/L		5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
tert-Butylbenzene	98-06-6	ug/L		5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
Tetrachloroethene	127-18-4	ug/L	5	5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
Tetrahydrofuran (THF)	109-99-9	ug/L		50	<2.5	2.5	<2.5	2.5	<5.0	5.0	<5.0	5.0	<2.5	2.5
Toluene	108-88-3	ug/L	5	5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
Total Xylenes	1330-20-7	ug/L	5	5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
trans-1,2-Dichloroethene	156-60-5	ug/L	5	5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
trans-1,3-Dichloropropene	10061-02-6	ug/L		0.4	<0.40	0.40	<0.40	0.40	<0.40	0.40	<0.40	0.40	<0.40	0.40
trans-1,4-dichloro-2-butene	110-57-6	ug/L		5	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0
Trichloroethene	79-01-6	ug/L	5	5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
Trichlorofluoromethane	75-69-4	ug/L		5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
Trichlorotrifluoroethane	76-13-1	ug/L	5	5	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0
Vinyl chloride	75-01-4	ug/L	2	2	<1.0	1.0	<1.0	1.0	<2.0	2.0	<2.0	2.0	<1.0	1.0

Analyte	CAS	Units	Lab Sample Id	Result	RL
1,1,1,2-Tetrachloroethane	630-20-6	ug/Kg	CN59813	<5.0	5.0
			CN59815	<4.9	4.9
			CN59821	<360	360
			CN59823	<250	250
			CN59824	<5.2	5.2
			CN59826	<6.7	6.7
			CN59828	<4.2	4.2
			CN59830	<4.7	4.7
			CN59832	<5.1	5.1
			CN59834	<4.4	4.4
			CN59836	<6.0	6.0
			CN59838	<1900	1,900
			CN59840	<4.1	4.1
			CN59842	<5.9	5.9

1,1,1-Trichloroethane	71-55-6	ug/Kg		500,000	1,000,000	100,000	100,000	680	<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<680	680	<4.1	4.1	<5.9	5.9
1,1,2,2-Tetrachloroethane	79-34-5	ug/Kg							<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
1,1,2-Trichloroethane	79-00-5	ug/Kg							<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
1,1-Dichloroethane	75-34-3	ug/Kg		240,000	480,000	19,000	26,000	270	<5.0	5.0	<4.9	4.9	<270	270	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<270	270	<4.1	4.1	<5.9	5.9
1,1-Dichloroethene	75-35-4	ug/Kg		500,000	1,000,000	100,000	100,000	330	<5.0	5.0	<4.9	4.9	<330	330	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<330	330	<4.1	4.1	<5.9	5.9
1,1-Dichloropropene	563-58-6	ug/Kg							<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
1,2,3-Trichlorobenzene	87-61-6	ug/Kg							<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
1,2,3-Trichloropropane	96-18-4	ug/Kg							<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
1,2,4-Trichlorobenzene	120-82-1	ug/Kg							<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
1,2,4-Trimethylbenzene	95-63-6	ug/Kg	3,600	190,000	380,000	47,000	52,000	3,600	<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
1,2-Dibromo-3-chloropropane	96-12-8	ug/Kg							<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
1,2-Dibromoethane	106-93-4	ug/Kg							<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
1,2-Dichlorobenzene	95-50-1	ug/Kg		500,000	1,000,000	100,000	100,000	1,100	<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1100	1,100	<4.1	4.1	<5.9	5.9
1,2-Dichloroethane	107-06-2	ug/Kg		30,000	60,000	2,300	3,100	20	<5.0	5.0	<4.9	4.9	<20	20	<25	25	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<20	20	<4.1	4.1	<5.9	5.9
1,2-Dichloropropane	78-87-5	ug/Kg							<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
1,3,5-Trimethylbenzene	108-67-8	ug/Kg	8,400	190,000	380,000	47,000	52,000	8,400	<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
1,3-Dichlorobenzene	541-73-1	ug/Kg		280,000	560,000	17,000	49,000	2,400	<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
1,3-Dichloropropane	142-28-9	ug/Kg							<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
1,4-Dichlorobenzene	106-46-7	ug/Kg		130,000	250,000	9,800	13,000	1,800	<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1800	1,800	<4.1	4.1	<5.9	5.9
2,2-Dichloropropane	594-20-7	ug/Kg							<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
2-Chlorotoluene	95-49-8	ug/Kg							<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
2-Hexanone	591-78-6	ug/Kg							<25	25	<25	25	<1800	1,800	<1300	1,300	<26	26	<34	34	<21	21	<24	24	<25	25	<22	22	<30	30	<9500	9,500	<20	20	<30	30
2-Isopropyltoluene	527-84-4	ug/Kg							<5.0	5.0	<4.9	4.9	220	210	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
4-Chlorotoluene	106-43-4	ug/Kg							<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
4-Methyl-2-pentanone	108-10-1	ug/Kg							<25	25	<25	25	<1800	1,800	<1300	1,300	<26	26	<34	34	<21	21	<24	24	<25	25	<22	22	<30	30	<9500	9,500	<20	20	<30	30
Acetone	67-64-1	ug/Kg		500,000	1,000,000	100,000	100,000	50	<25	25	<25	25	<50	50	<250	250	53	26	<34	34	<21	21	<24	24	<25	25	<22	22	<30	30	<50	50	<20	20	56	30
Acrylonitrile	107-13-1	ug/Kg							<10	10	<9.8	9.8	<710	710	<500	500	<10	10	<13	13	<8.4	8.4	<9.4	9.4	<10	10	<8.8	8.8	<12	12	<3800	3,800	<8.1	8.1	<12	12
Benzene	71-43-2	ug/Kg	60	44,000	89,000	2,900	4,800	60	<5.0	5.0	<4.9	4.9	<60	60	<60	60	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<60	60	<4.1	4.1	<5.9	5.9
Bromobenzene	108-86-1	ug/Kg							<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
Bromochloromethane	74-97-5	ug/Kg							<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
Bromodichloromethane	75-27-4	ug/Kg							<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
Bromoform	75-25-2	ug/Kg							<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
Bromomethane	74-83-9	ug/Kg							<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
Carbon Disulfide	75-15-0	ug/Kg							<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
Carbon tetrachloride	56-23-5	ug/Kg		22,000	44,000	1,400	2,400	760	<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<760	760	<4.1	4.1	<5.9	5.9
Chlorobenzene	108-90-7	ug/Kg		500,000	1,000,000	100,000	100,000	1,100	<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1100	1,100	<4.1	4.1	<5.9	5.9
Chloroethane	75-00-3	ug/Kg							<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
Chloroform	67-66-3	ug/Kg		350,000	700,000	10,000	49,000	370	<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<370	370	<4.1	4.1	<5.9	5.9
Chloromethane	74-87-3	ug/Kg							<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
cis-1,2-Dichloroethene	156-59-2	ug/Kg		500,000	1,000,000	59,000	100,000	250	<5.0	5.0	<4.9	4.9	<250	250	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<250	250	<4.1	4.1	<5.9	5.9
cis-1,3-Dichloropropene	10061-01-5	ug/Kg							<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
Dibromochloromethane	124-48-1	ug/Kg							<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
Dibromomethane	74-95-3	ug/Kg							<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
Dichlorodifluoromethane	75-71-8	ug/Kg							<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
Ethylbenzene	100-41-4	ug/Kg	1,000	390,000	780,000	30,000	41,000	1,000	<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1000	1,000	<4.1	4.1	<5.9	5.9
Hexachlorobutadiene	87-68-3	ug/Kg							<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
Isopropylbenzene	98-82-8	ug/Kg	2,300						<5.0	5.0	<4.9	4.9	390	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
m&p-Xylene	179601-23-1	ug/Kg							<5.0	5.0	<4.9	4.9	<250	250	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	850	250	<4.1	4.1	<5.9	5.9
Methyl Ethyl Ketone	78-93-3	ug/Kg		500,000	1,000,000	100,000	100,000	120	<25	25	<25	25	<120	120	<120	120	<26	26	<34	34	<21	21	<24	24	<25	25	<22	22	<30	30	<120	120	<20	20	<30	30
Methyl t-butyl ether (MTBE)	1634-04-4	ug/Kg	930	500,000	1,000,000	62,000	100,000	930	<10	10	<9.8	9.8	<710	710	<250	250	<10	10	<13	13	<8.4	8.4	<9.4	9.4	<10	10	<8.8	8.8	<12	12	<930	930	<8.1	8.1	<12	12
Methylene chloride	75-09-2	ug/Kg		500,000	1,000,000	51,000	100,000	50	<10	10	<9.8	9.8	<50	50	<100	100	<10	10	<13	13	<8.4	8.4	<9.4	9.4	<10	10	<8.8	8.8	<12	12	<50	50	<8.1	8.1	<12	12
Naphthalene	91-20-3	ug/Kg	12,000	500,000	1,000,000	100,000	100,000	12,000	<5.0	5.0	<4.9	4.9	360	360	<250	250	<5.2	5.2	2,800	580	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	49,000	1,900	<4.1	4.1	<5.9	5.9
n-Butylbenzene	104-51-8	ug/Kg	12,000	500,000	1,000,000	100,000	100,000	12,000	<5.0	5.0	<4.9	4.9	1,800	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
n-Propylbenzene	103-65-1	ug/Kg	3,900	500,000	1,000,000	100,000	100,000	3,900	<5.0	5.0	<4.9	4.9	160	140	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
o-Xylene	95-47-6	ug/Kg							<5.0	5.0	<4.9	4.9	<250	250	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<250	250	<4.1	4.1	<5.9	5.9
p-Isopropyltoluene	99-87-6	ug/Kg	10,000						<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
sec-Butylbenzene	135-98-8	ug/Kg	11,000	500,000	1,000,000	100,000	100,000	11,000	<5.0	5.0	<4.9	4.9	1,500	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
Styrene	100-42-5	ug/Kg							<5.0	5.0	<4.9	4.9	<250	250	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
tert-Butylbenzene	98-06-6	ug/Kg	5,900	500,000	1,000,000	100,000	100,000	5,900	<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
Tetrachloroethene	127-18-4	ug/Kg		150,000	300,000	5,500	19,000	1,300	<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1300	1,300	<4.1	4.1	<5.9	5.9
Tetrahydrofuran (THF)	109-99-9	ug/Kg							<10	10	<9.8	9.8	<710	710	<500	500	<10	10	<13	13	<8.4	8.4	<9.4	9.4	<10	10	<8.8	8.8	<12	12	<3800	3,800	<8.1	8.1	<12	12
Toluene	108-88-3	ug/Kg	700	500,000	1,000,000	100,000	100,000	700	<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<700	700	<4.1	4.1	<5.9	5.9
Total Xylenes	1330-20-7	ug/Kg	260				100,000	260	<5.0	5.0	<4.9	4.9	<250	250	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	850	250	<4.1	4.1	<5.9	5.9
trans-1,2-Dichloroethene	156-60-5	ug/Kg		500,000	1,000,000	100,000	100,000	190	<5.0	5.0	<4.9	4.9	<190	190	<190	190	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<190	190	<4.1	4.1	<5.9	5.9
trans-1,3-Dichloropropene	10061-02-6	ug/Kg							<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
trans-1,4-dichloro-2-butene	110-57-6	ug/Kg							<10	10	<9.8	9.8	<710	710	<500	500	<10	10	<13	13	<8.4	8.4	<9.4	9.4	<10	10	<8.8	8.8	<12	12	<3800	3,800	<8.1	8.1	<12	12
Trichloroethene	79-01-6	ug/Kg		200,000	400,000	10,000	21,000	470	<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<470	470	<4.1	4.1	<5.9	5.9
Trichlorofluoromethane	75-69-4	ug/Kg							<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
Trichlorotrifluoroethane	76-13-1	ug/Kg							<5.0	5.0	<4.9	4.9	<360	360	<250	250	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<1900	1,900	<4.1	4.1	<5.9	5.9
Vinyl chloride	75-01-4	ug/Kg		13,000	27,000	210	900	20	<5.0	5.0	<4.9	4.9	<20	20	<25	25	<5.2	5.2	<6.7	6.7	<4.2	4.2	<4.7	4.7	<5.1	5.1	<4.4	4.4	<6.0	6.0	<20	20	<4.1	4.1	<5.9	5.9

Semivolatiles By SW8270D																																
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/Kg							<280	280	<280	280	<310	310	<250	250	<250	250	<250	250	<270	270	<260	260	<280	280	<280	280	<280	280	<280	280
1,2,4-Trichlorobenzene	120-82-1	ug/Kg							<280	280	<280	280	<310	310	<250	250	<250	250	<250	250	<270	270	<260	260	<280	280	<280	280	<280	280	<280	280
1,2-Dichlorobenzene	95-50-1	ug/Kg		500,000	1,000,000	100,000	100,000	1,100	<280	280	<280	280	<310	310	<250	250	<250	250	<250	250	<270	270	<260	260	<280	280	<280	280	<280	280	<280	280
1,2-Diphenylhydrazine	122-66-7	ug/Kg							<400	400	<400	400	<440	440	<360	360	<360	360	<360	360	<390	390	<380	380	<390	390	<400	400	<400	400	<400	400
1,3-Dichlorobenzene	541-73-1	ug/Kg		280,000	560,000	17,000	49,000	2,400	<280	280	<280	280	<310	310	<250	250	<250	250	<250	250	<270	270	<260	260	<280	280	<280	280	<280	280	<280	280
1,4-Dichlorobenzene	106-46-7	ug/Kg		130,000	250,000	9,800	13,000	1,800	<280	280	<280	280	<310	310	<250	250	<250	250	<250	250	<270	270	<260	260	<280	280	<280	280	<280	280	<280	280
2,2'-Oxybis(1-Chloropropane)	108-60-1	ug/Kg							<280	280	<280	280	<310	310	<250	250	<250	250	<250	250	<270	270	<260	260	<280	280	<280	280	<280	280	<280	280
2,4,5-Trichlorophenol	95-95-4	ug/Kg							<280	280	<280	280	<310	310	<250	250	<250	250	<250	250	<270	270	<260	260	<280	280	<280	280	<280	280	<280	280
2,4,6-Trichlorophenol	88-06-2	ug/Kg							<280	280	<280	280	<310	310	<250	250	<250	250	<250	250	<270	270	<260	260	<280	280	<280	280	<280	280	<280	280
2,4-Dichlorophenol	120-83-2	ug/Kg							<280	280	<280	280	<310	310	<250	250	<250	250	<250	250	<270	270	<260	260	<280	280	<280	280	<280	280	<280	280
2,4-Dimethylphenol	105-67-9	ug/Kg							<280	280	<280	280	<310	310	<250	250	<250	250	<250	250	<270	270	<260	260	<280	280	370	280	<280	280	<280	280
2,4-Dinitrophenol	51-28-5	ug/Kg							<400	400	<400	400	<440	440	<360	360	<360	360	<360	360	<390	390	<380	380	<390	390	<400	400	<400	400	<400	400
2,4-Dinitrotoluene	121-14-2	ug/Kg							<280	280	<280	280	<310	310	<250	250	<250	250	<250	250	<270	270	<260	260	<280	280	<280	280	<280	280	<280	280
2,6-Dinitrotoluene	606-20-2	ug/Kg							<280	280	<280	280	<310	310	<250	250	<250	250	<250	250	<270	270	<260	260	<280	280	<280	280	<280	280	<280	280
2-Chloronaphthalene	91-58-7	ug/Kg							<280	280	<280	280	<310	310	<250	250	<250	250	<250	250	<270	270	<260	260	<280	280	<280	280	<280	280	<280	280
2-Chlorophenol	95-57-8	ug/Kg							<280	280	<280	280	<310	310	<250	250	<250	250	<250	250	<270	270	<260	260	<280	280	<280	280	<280	280	<280	280
2-Methylnaphthalene	91-57-6	ug/Kg							<280	280	970	280	<310	310	270	250	<250	250	<250	250	<270	270	<260	260	<280	280	2,300	280	<280	280	<280	280
2-Methylphenol (o-cresol)	95-48-7	ug/Kg		500,000	1,000,000	100,000	100,000	330	<280	280	<280	280	<310	310	<250	250	<250	250	<250	250	<270	270	<260	260	<280	280	320	280	<280	280	<280	280
2-Nitroaniline	88-74-4	ug/Kg							<400	400	<400	400	<440	440	<360	360	<360	360	<360	360	<390	390	<380	380	<390	390	<400	400	<400	400	<400	400
2-Nitrophenol	88-75-5	ug/Kg							<280	280	<280	280	<310	310	<250	250	<250	250	<250	250	<270	270	<260	260	<280	280	<280	280	<280	280	<280	280
3&4-Methylphenol (m&p-cresol)	PHNX - M&P CRESOL	ug/Kg							<400	400	<400	400	<440	440	<360	360	<360	360	<360	360	<390	390	<380	380	<390	390	1,000	400	<400	400	<400	400
3,3'-Dichlorobenzidine	91-94-1	ug/Kg							<280	280	<280	280	<310	310	<250	250	<250	250	<250	250	<270	270	<260	260	<280	280	<280	280	<280	280	<280	280
3-Nitroaniline	99-09-2	ug/Kg							<400	400	<400	400	<440	440	<360	360	<360	360	<360	360	<390	390	<380	380	<390	390	<400	400	<400	400	<400	400
4,6-Dinitro-2-methylphenol	534-52-1	ug/Kg							<400	400	<400	400	<440	440	<360	360	<360	360	<360	360	<390	390	<380	380	<390	390	<400	400	<400	400	<400	400
4-Bromophenyl phenyl ether	101-55-3	ug/Kg							<400	400	<400	400	<440	440	<360	360	<360	360	<360	360	<390	390	<380	380	<390	390	<400	400	<400	400	<400	400
4-Chloro-3-methylphenol	59-50-7	ug/Kg							<280	280	<280	280	<310	310	<250	250	<250	250	<250	250	<270	270	<260	260	<280	280	<280	280	<280	280	<280	280
4-Chloroaniline	106-47-8	ug/Kg							<280	280	<280	280	<310	310	<250	250	<250	250	<250	250	<270	270	<260	260	<280	280	<280	280	<280	280	<280	280
4-Chlorophenyl phenyl ether	7005-72-3	ug/Kg							<280	280	<280	280	<310	310	<250	250	<250	250	<250	250	<270	270	<260	260	<280	280	<280	280	<280	280	<280	280
4-Nitroaniline	100-01-6	ug/Kg							<640	640	<640	640	<710	710	<580	580	<570	570	<580	580	<620	620	<600	600	<630	630	<640	640	<650	650	<650	650
4-Nitrophenol	100-02-7	ug/Kg							<280	280	<280	280	<310	310	<250	250	<250	250	<250	250	<270	270	<260	260	<280	280	<280	280	<280	280	<280	280
Acenaphthene	83-32-9	ug/Kg	20,000	500,000	1,000,000	100,000	100,000	20,000	<280	280	450	280	<310	310	1,200	250	<250	250	<250	250	<270	270	<260	260	430	280	5,000	280	<280	280	<280	280
Acenaphthylene	208-96-8	ug/Kg	100,000	500,000	1,000,000	100,000	100,000	100,000	<280	280	<280	280	<310	310	480	250	<250	250	<250	250	<270	270	<260	260	2,400	280	2,100	280	<280	280	<280	280
Acetophenone	98-86-2	ug/Kg							<280	280	<280	280	<310	310	<250	250	<250	250	<250	250	<270	270	<260	260	<280	280	<280	280	<280	280	<280	280
Aniline	62-53-3	ug/Kg							<400	400	<400	400	<440	440	<360	360	<360	360	<360	360	<390	390	<380	380	<390	390	<400	400	<400	400	<400	400
Anthracene	120-12-7	ug/Kg	100,000	500,000	1,000,000	100,000	100,000	100,000	<280	280	<280	280	<310	310	3,000	250	<250	250	<250	250	<270	270	<260	260	3,100	280	10,000	2,800	<280	280	<280	280
Benz(a)anthracene	56-55-3	ug/Kg	1,000	5,600	11,000	1,000	1,000	1,000	<280	280	<280	280	<310	310	8,100	2,500	260	250	<250	250	<270	270	780	260	9,600	2,800	20,000	2,800	550	280	<280	280
Benzidine	92-87-5	ug/Kg							<280	280	<280	280	<310	310	<250	250	<250	250	<250	250	<270	270	<260	260	<280	280	<280	280	<280	280	<280	280
Benzo(a)pyrene	50-32-8	ug/Kg	1,000	1,000	1,100	1,000	1,000	1,000	<280	280	<280	280	<310	310	7,700	2,500	<250	250	<250	250	430	270	820	260	9,200	2,800	28,000	2,800	500	280	<280	280
Benzo(b)fluoranthene	205-99-2	ug/Kg	1,000	5,600	11,000	1,000	1,000	1,000	<280	280	<280	280	<310	310	9,900	2,500	260	250	<250	250	450	270	970	260	11,000	2,800	31,000	2,800	580	280	<280	280
Benzo(ghi)perylene	191-24-2	ug/Kg	100,000	500,000	1,000,000	100,000	100,000	100,000	<280	280	<280	280	<310	310	4,700	250	<250	250	<250	250	290	270	560	260	6,000	280	11,000	2,800	350	280	<280	280
Benzo(k)fluoranthene	207-08-9	ug/Kg	800	56,000	110,000	1,000	3,900	800	<280	280	<280	280	<310	310	2,700	250	<250	250	<250	250	<270	270	330	260	3,800	280	8,900	2,800	<280	280	<280	280
Benzoic acid	65-85-0	ug/Kg							<800	800	<800	800	<890	890	<720	720	<710	710	<720	720	<780	780	<750	750	<790	790	<800	800	<810	810	<810	810
Benzyl butyl phthalate	85-68-7	ug/Kg							<280	280	<280	280	<310	310	<250	250	<250	250	<250	250	<270	270	<260	260	<280	280	<280	280	<280	280	<280	280
Bis(2-chloroethoxy)methane	111-91-1	ug/Kg							<280	280	<280	280	<310	310	<250	250	<250	250	<250	250	<270	270	<260	260	<280	280	<280	280	<280	280	<280	280
Bis(2-chloroethyl)ether	111-44-4	ug/Kg							<400	400	<400	400	<440	440	<360	360	<360	360	<360	360	<390	390	<380	380	<390	390	<400	400	<400	400	<400	400
Bis(2-ethylhexyl)phthalate	117-81-7	ug/Kg							<400	400	<400	400	<440	440	<360	360	<360	360	<360	360	<390	390	<380	380	<390	390	<400	400	<400	400	<400	400
Carbazole	86-74-8	ug/Kg							<400	400	<400	400	<440	440	1,100	360	<360	360	<360	360	<390	390	<380	380	950	390	4,200	400	<400	400	<400	400
Chrysene	218-01-9	ug/Kg	1,000	56,000	110,000	1,000	3,900	1,000	<280	280	510	280	<310	310	7,000	250	<250	250	<250	250	<270	270	710	260	9,000	2,800	17,000	2,800	490	280	<280	280
Dibenz(a,h)anthracene	53-70-3	ug/Kg	330	560	1,100	330	330	330	<280	280	<280	280	<310	310	1,300	250	<250	250	<250	250	<270	270	<260	260	1,400	280	4,100	280	<280	280	<280	280
Dibenzofuran	132-64-9	ug/Kg		350,000	1,000,000	14,000	59,000	7,000	<280	280	<280	280	<310	310	760	250	<250	250	<250	250	<270	270	<260	260	620	280	4,000	280	<280	280	<280	280
Diethyl phthalate	84-66-2	ug/Kg							<280	280	<280	280	<310	310	<250	250	<250	250	<250	250	<270	270	<260	260	<280	280	<280	280	<280	280	<280	280
Dimethylphthalate	131-11-3	ug/Kg							<280	280	<280	280	<310	310	<250	250	<250	250	<250	250	<270	270	<260	260	<280	280	<280	280	<280	280	<280	280
Di-n-butylphthalate	84-74-2	ug/Kg							<400	400	<400	400	<440	440	<360	360	<360	360	<360	360	<390	390	<380	380	<390	390	<400	400	<400	400	<400	400
Di-n-octylphthalate	117-84-0	ug/Kg							<280	280	<280	280	<310	310	<250	250	<250	250	<250	250	<270	270	<260	260	<280	280	<280	280	<280	280	<280	280
Fluoranthene	206-44-0	ug/Kg	100,000	500,000	1,000,000	100,000	100,000	100,000	<280	280	310	280	<310	310	16,000	2,500	540	250	<250	250	470	270	1,300	260	22,000	2,800	39,000	2,800	1,200	280	<280	280
Fluorene	86-73-7	ug/Kg	30,000	500,000	1,000,000	100,000	100,000	30,000	<280	280	510	280	<310	310	1,300	250	<250	250	<250	250	<270	270	<260	260	480	280	5,600	280	<280	280	<280	280
Hexachlorobenzene	118-74-1	ug/Kg		6,000	12,000	330	1,200	330	<280	280	<280	280	<310	310	<250	250	<250	250	<250	250	<270	270	<260	260	<280	280	<280	280	<280	280	<280	280
Hexachlorobutadiene	87-68-3	ug/Kg							<280	280	<280	280	<310	310	<250	250	<250	250	<250	250	<270	270	<260	260	<280	280	<280	280	<280	280	<280	280
Hexachlorocyclopentadiene	77-47-4	ug/Kg							<280	280	<280	280	<310	310	<250	250	<250	250	<250	250	<270	270	<260	260	<280	280	<280	280	<280	280	<280	280
Hexachloroethane	67-72-1	ug/Kg							<280	280	<280	280	<310	310	<250	250	<250	250	<250	250	<270	270	<260	260	<280	280	<280	280	<280	280	<280	280
Indeno(1,2,3-cd)pyrene	193-39-5	ug/Kg	500	5,600	11,000	500	500	500	<280	280	<280	280	<310	310	5,000	250	<250	250	<250	250	300	270	570	260	6,600	280	14,000	2,800	340	280	<280	280
Isophorone	78-59-1	ug/Kg							<280	280	<280	280	<310	310	<250	250	<250	250	<250	250	<270	270	<260	260	<280	280	<280	280	<280	280	<280	280
Naphthalene	91-20-3	ug/Kg	12,000	500,000	1,000,000	100,000	100,000	12,000	<280	280	<280	280	<310	310	340	250	<250	250	<250	250	<270	270	<260	260	280	280	4,000	280	<280	280	<280	280
Nitrobenzene	98-95-3	ug/Kg							<280	280	<280	280	<310	310	<250	250	<250	250	<250	250	<270	270	<260	260	<280	280	<280	280	<280	280	<280	280
N-Nitrosodimethylamine	62-75-9	ug/Kg							<400	400	<400	400	<440	440	<360	360	<360	360	<360	360	<390	390	<380	380	<390	390	<400	400	<400	400	<400	400
N-Nitrosodi-n-propylamine	621-64-7	ug/Kg							<280	280	<280	280	<310	310	<250	250	<250	250	<250	250	<270	270	<260	260	<280	280	<280	280	<280	280	<280	280
N-Nitrosodiphenylamine	86-30-6	ug/Kg							<400	400	<400	400	<440	440	<360	360	<360	360	<360	360	<390	390	<380	380	<390	390	<400	400	<400	400	<400	400
Pentachloronitrobenzene	82-68-8	ug/Kg							<400	400	<400	400	<440	440	<360	360	<360	360	<360	360	<390	390	<380	380	<390	390	<400	400	<400	400	<400	400
Pentachlorophenol	87-86-5	ug/Kg		6,700	55,000	2,400	6,700	800	<400	400	<400	400	<440	440	<360	360	<360	360	<360	360	<390	390	<380	380	<390	390	<400	400	<400	400	<400	400
Phenanthrene	85-01-8	ug/Kg	100,000	500,000	1,000,000	100,000	100,000	100,000	<280	280	1,700	280	<310	310	10,000	2,500	690	250	<250	250	<270	270	600	260	12,000	2,800	33,000	2,800	1,200	280	<280	280
Phenol	108-95-2	ug/Kg		500,000	1,000,000	100,000	100,000	330	<280	280	<280	280	<310	310	<250	250	500	250	<250	250	<270	270	<260	260	<280	280	<280	280	<280	280	<280	280
Pyrene	129-00-0	ug/Kg	100,000	500,000	1,000,000	100,000	100,000	100,000	<280	280	660	280	<310	310	14,000	2,500	450	250	<250	250	610	270	1,200	260	19,000	2,800	38,000	2,800	1,000	280	<280	280
Pyridine	110-86-1	ug/Kg							<400	400	<400	400	<440	440	<360	360	<360	360	<360	360	<390	390	<380	380	<390	390	<400	400	<400	400	<400	400
Gasoline Range Hydrocarbons (C6-C10) By SW8015D GRO																																
GRO (C6-C10)	PHNX - GRO	mg/Kg							<7.1	7.1	190	55	<8.4	8.4	<6.1	6.1	<6.0	6.0	<6.0	6.0	<6.6	6.6	<6.4	6.4	<6.4	6.4	<7.1	7.1	<7.2	7.2	<7.2	7.2
Chlorinated Herbicides By SW8151A																																
2,4,5-T	93-76-5	ug/Kg							<150	150	<150	150	<170	170	<140	140	<140	140	<140	140	<140	140	<140	140	<150	150	<150	150	<150	150	<150	150
2,4,5-TP (Silvex)	93-72-1	ug/Kg		500,000	1,000,000	58,000	100,000	3,800	<150	150	<150	150	<170	170	<140	140	<140	140	<140	140	<140	140	<140	140	<150	150	<150	150	<150	150	<150	150
2,4-D	94-75-7	ug/Kg							<300	300	<300	300	<340	340	<270	270	<270	270	<270	270	<290	290	<280	280	<290	290	<300	300	<300	300	<300	300
2,4-DB	94-82-6	ug/Kg							<3000	3,000	<3000	3,000	<3400	3,400	<2700	2,700	<2700	2,700	<2700	2,700	<2900	2,900	<2800	2,800	<2900	2,900	<3000	3,000	<3000	3,000	<3000	3,000
Dalapon	75-99-0	ug/Kg							<150	150	<150	150	<170	170	<140	140	<140	140	<140	140	<140	140	<140	140	<150	150	<150	150	<150	150	<150	150
Dicamba	1918-00-9	ug/Kg							<150	150	<150	150	<170	170	<140	140	<140	140	<140	140	<140	140	<140	140	<150	150	<150	150	<150	150	<150	150
Dichloroprop	120-36-5	ug/Kg							<300	300	<300	300	<340	340	<270	270	<270	270	<270	270	<290	290	<280	280	<290	290	<300	300	<300	300	<300	300
Dinoseb	88-85-7	ug/Kg							<300	300	<300	300	<340	340	<270	270	<270	270	<270	270	<290	290	<280	280	<290	290	<300	300	<300	300	<300	300

Result Detected

RL Exceeds Criteria

Result Exceeds Criteria

PHOENIX
Environmental Laboratories, Inc.

Thursday, March 23, 2023

Attn: Michael Gianco
GIANCO Environmental Services
35 Pinelawn Rd Ste 214E
Melvill, NY 11747

Project ID: **JPL-SANDRESPC**
SDG ID: **GCN59813**
Sample ID#s: CN59813 - CN59843

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.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. 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

March 23, 2023

SDG I.D.: GCN59813

Version 2: Collection times updated per client

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/ECD method 504 or 8011 to achieve this criteria.

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

Environmental Laboratories, Inc.
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NY # 11301

Sample Id Cross Reference

March 23, 2023

SDG I.D.: GCN59813

Project ID: JPL-SANDRESPC

Client Id	Lab Id	Matrix
TB031423 LL	CN59813	SOIL
FB031423	CN59814	WATER
SB-04 GRAB (9.5-10)	CN59815	SOIL
SB-04 COMPOSITE	CN59816	SOIL
TW-04	CN59817	GROUND WATER
TW-09	CN59818	GROUND WATER
TW-11	CN59819	GROUND WATER
TW-13	CN59820	GROUND WATER
SB-09 GRAB (5.5-6)	CN59821	SOIL
SB-09 COMP	CN59822	SOIL
TB HL	CN59823	SOIL
SB-11 GRAB (14.5-15)	CN59824	SOIL
SB-11 COMP	CN59825	SOIL
SB-13 GRAB (7.5-8)	CN59826	SOIL
SB-13 COMPOSITE	CN59827	SOIL
SB-1 GRAB (9.5-10)	CN59828	SOIL
SB-1 COMPOSITE	CN59829	SOIL
SB-2 GRAB (9.5-10)	CN59830	SOIL
SB-2 COMPOSITE	CN59831	SOIL
SB-3 GRAB (12.5-13)	CN59832	SOIL
SB-3 COMPOSITE	CN59833	SOIL
SB-07 GRAB (1-1.5)	CN59834	SOIL
SB-07 COMP	CN59835	SOIL
SB08 GRAB (6.5-7)	CN59836	SOIL
SB08 COMPOSITE	CN59837	SOIL
SB10 GRAB (6-6.5)	CN59838	SOIL
SB10 COMP	CN59839	SOIL
SB12 GRAB (7.5-8)	CN59840	SOIL
SB12 COMPOSITE	CN59841	SOIL
SB14 GRAB (7.5-8)	CN59842	SOIL

Environmental Laboratories, Inc.
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NY # 11301

Sample Id Cross Reference

March 23, 2023

SDG I.D.: GCN59813

Project ID: JPL-SANDRESPC

Client Id	Lab Id	Matrix
SB14 COMPOSITE	CN59843	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

March 23, 2023

FOR: Attn: Michael Gianco
GIANCO Environmental Services
35 Pinelawn Rd Ste 214E
Melvill, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/14/23	12:00
Location Code:	GIANCO	Received by:	SR1	03/15/23	11:20
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN59813
Phoenix ID: CN59813

Project ID: JPL-SANDRESPC
Client ID: TB031423 LL

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Field Extraction	Completed				03/14/23		SW5035A	1
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1-Dichloroethane	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1-Dichloroethene	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1-Dichloropropene	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dibromoethane	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dichloroethane	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dichloropropane	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,3-Dichloropropane	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C	
2,2-Dichloropropane	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C	
2-Chlorotoluene	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C	
2-Hexanone	ND	25	ug/Kg	1	03/16/23	JLI	SW8260C	
2-Isopropyltoluene	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C	1

Project ID: JPL-SANDRESPC
Client ID: TB031423 LL

Phoenix I.D.: CN59813

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
4-Methyl-2-pentanone	ND	25	ug/Kg	1	03/16/23	JLI	SW8260C
Acetone	ND	25	ug/Kg	1	03/16/23	JLI	SW8260C
Acrylonitrile	ND	10	ug/Kg	1	03/16/23	JLI	SW8260C
Benzene	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
Bromobenzene	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
Bromochloromethane	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
Bromodichloromethane	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
Bromoform	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
Bromomethane	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
Carbon Disulfide	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
Carbon tetrachloride	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
Chlorobenzene	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
Chloroethane	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
Chloroform	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
Chloromethane	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
Dibromochloromethane	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
Dibromomethane	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
Dichlorodifluoromethane	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
Ethylbenzene	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
Hexachlorobutadiene	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
Isopropylbenzene	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
m&p-Xylene	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
Methyl Ethyl Ketone	ND	25	ug/Kg	1	03/16/23	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	1	03/16/23	JLI	SW8260C
Methylene chloride	ND	10	ug/Kg	1	03/16/23	JLI	SW8260C
Naphthalene	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
n-Butylbenzene	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
n-Propylbenzene	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
o-Xylene	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
p-Isopropyltoluene	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
sec-Butylbenzene	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
Styrene	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
tert-Butylbenzene	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
Tetrachloroethene	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
Tetrahydrofuran (THF)	ND	10	ug/Kg	1	03/16/23	JLI	SW8260C
Toluene	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
Total Xylenes	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	1	03/16/23	JLI	SW8260C
Trichloroethene	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
Trichlorofluoromethane	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
Vinyl chloride	ND	5.0	ug/Kg	1	03/16/23	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97		%	1	03/16/23	JLI	70 - 130 %

Project ID: JPL-SANDRESPC
Client ID: TB031423 LL

Phoenix I.D.: CN59813

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	100		%	1	03/16/23	JLI	70 - 130 %
% Dibromofluoromethane	96		%	1	03/16/23	JLI	70 - 130 %
% Toluene-d8	103		%	1	03/16/23	JLI	70 - 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
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

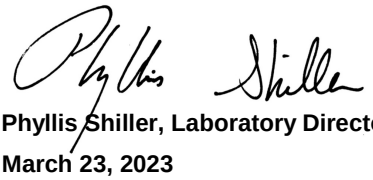
Comments:

TRIP BLANK INCLUDED.

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

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

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



Phyllis Shiller, Laboratory Director
March 23, 2023
Reviewed and Released by: Sarah Bell, Project Manager

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 Report

March 23, 2023

FOR: Attn: Michael Gianco
GIANCO Environmental Services
35 Pinelawn Rd Ste 214E
Melvill, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		03/14/23	12:00
Location Code:	GIANCO	Received by:	SR1	03/15/23	11:20
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN59813
Phoenix ID: CN59814

Project ID: JPL-SANDRESPC
Client ID: FB031423

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	03/15/23	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,1-Dichloroethane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	ug/L	1	03/15/23	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	ug/L	1	03/15/23	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	ug/L	1	03/15/23	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	ug/L	1	03/15/23	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	03/15/23	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	03/15/23	MH	SW8260C	

Project ID: JPL-SANDRESPC
Client ID: FB031423

Phoenix I.D.: CN59814

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	25	ug/L	1	03/15/23	MH	SW8260C	
Acrylonitrile	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Benzene	ND	0.70	ug/L	1	03/15/23	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	1	03/15/23	MH	SW8260C	
Bromoform	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	1	03/15/23	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Chloroform	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Chloromethane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	03/15/23	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	1	03/15/23	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Ethylbenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	1	03/15/23	MH	SW8260C	
Isopropylbenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
m&p-Xylene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	ug/L	1	03/15/23	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Naphthalene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
n-Butylbenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
n-Propylbenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
sec-Butylbenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Styrene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
tert-Butylbenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	03/15/23	MH	SW8260C	1
Toluene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Total Xylenes	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	03/15/23	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	03/15/23	MH	SW8260C	
Trichloroethene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Vinyl chloride	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99		%	1	03/15/23	MH	70 - 130 %	
% Bromofluorobenzene	99		%	1	03/15/23	MH	70 - 130 %	
% Dibromofluoromethane	101		%	1	03/15/23	MH	70 - 130 %	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	97		%	1	03/15/23	MH	70 - 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
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

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

Phyllis Shiller, Laboratory Director
March 23, 2023
Reviewed and Released by: Sarah Bell, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 23, 2023

FOR: Attn: Michael Gianco
GIANCO Environmental Services
35 Pinelawn Rd Ste 214E
Melvill, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/13/23	12:00
Location Code:	GIANCO	Received by:	SR1	03/15/23	11:20
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN59813
Phoenix ID: CN59815

Project ID: JPL-SANDRESPC
Client ID: SB-04 GRAB (9.5-10)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Field Extraction	Completed				03/13/23		SW5035A	1
Volatiles								
1,1,1,2-Tetrachloroethane	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1,1-Trichloroethane	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1,2-Trichloroethane	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1-Dichloroethane	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1-Dichloroethene	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1-Dichloropropene	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,3-Trichloropropane	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dibromoethane	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dichlorobenzene	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dichloroethane	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dichloropropane	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,3-Dichlorobenzene	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,3-Dichloropropane	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,4-Dichlorobenzene	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C	
2,2-Dichloropropane	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C	
2-Chlorotoluene	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C	
2-Hexanone	ND	25	ug/Kg	1	03/16/23	JLI	SW8260C	
2-Isopropyltoluene	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C	1

Project ID: JPL-SANDRESPC
Client ID: SB-04 GRAB (9.5-10)

Phoenix I.D.: CN59815

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
4-Methyl-2-pentanone	ND	25	ug/Kg	1	03/16/23	JLI	SW8260C
Acetone	ND	25	ug/Kg	1	03/16/23	JLI	SW8260C
Acrylonitrile	ND	9.8	ug/Kg	1	03/16/23	JLI	SW8260C
Benzene	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
Bromobenzene	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
Bromochloromethane	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
Bromodichloromethane	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
Bromoform	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
Bromomethane	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
Carbon Disulfide	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
Carbon tetrachloride	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
Chlorobenzene	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
Chloroethane	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
Chloroform	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
Chloromethane	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
Dibromochloromethane	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
Dibromomethane	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
Dichlorodifluoromethane	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
Ethylbenzene	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
Hexachlorobutadiene	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
Isopropylbenzene	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
m&p-Xylene	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
Methyl Ethyl Ketone	ND	25	ug/Kg	1	03/16/23	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	9.8	ug/Kg	1	03/16/23	JLI	SW8260C
Methylene chloride	ND	9.8	ug/Kg	1	03/16/23	JLI	SW8260C
Naphthalene	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
n-Butylbenzene	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
n-Propylbenzene	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
o-Xylene	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
p-Isopropyltoluene	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
sec-Butylbenzene	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
Styrene	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
tert-Butylbenzene	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
Tetrachloroethene	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
Tetrahydrofuran (THF)	ND	9.8	ug/Kg	1	03/16/23	JLI	SW8260C
Toluene	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
Total Xylenes	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	9.8	ug/Kg	1	03/16/23	JLI	SW8260C
Trichloroethene	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
Trichlorofluoromethane	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
Vinyl chloride	ND	4.9	ug/Kg	1	03/16/23	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	1	03/16/23	JLI	70 - 130 %

Project ID: JPL-SANDRESPC
Client ID: SB-04 GRAB (9.5-10)

Phoenix I.D.: CN59815

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	92		%	1	03/16/23	JLI	70 - 130 %
% Dibromofluoromethane	94		%	1	03/16/23	JLI	70 - 130 %
% Toluene-d8	94		%	1	03/16/23	JLI	70 - 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.

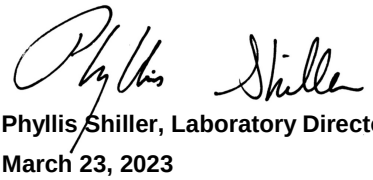
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed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

Comments:

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

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

If 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
March 23, 2023
Reviewed and Released by: Sarah Bell, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 23, 2023

FOR: Attn: Michael Gianco
GIANCO Environmental Services
35 Pinelawn Rd Ste 214E
Melvill, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/13/23	12:05
Location Code:	GIANCO	Received by:	SR1	03/15/23	11:20
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN59813
Phoenix ID: CN59816

Project ID: JPL-SANDRESPC
Client ID: SB-04 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.40	0.40	mg/Kg	1	03/17/23	TH	SW6010D
Aluminum	8910	60	mg/Kg	10	03/17/23	CPP	SW6010D
Arsenic	2.55	0.80	mg/Kg	1	03/17/23	CPP	SW6010D
Barium	43.9	0.40	mg/Kg	1	03/17/23	CPP	SW6010D
Beryllium	0.44	0.32	mg/Kg	1	03/17/23	CPP	SW6010D
Calcium	1050	6.0	mg/Kg	1	03/17/23	CPP	SW6010D
Cadmium	0.86	0.40	mg/Kg	1	03/17/23	CPP	SW6010D
Cobalt	7.16	0.40	mg/Kg	1	03/17/23	CPP	SW6010D
Chromium	13.5	0.40	mg/Kg	1	03/17/23	CPP	SW6010D
Copper	44.7	0.8	mg/kg	1	03/17/23	CPP	SW6010D
Iron	16300	60	mg/Kg	10	03/17/23	CPP	SW6010D
Mercury	0.07	0.03	mg/Kg	2	03/16/23	PM	SW7471B
Potassium	1110	60	mg/Kg	10	03/17/23	CPP	SW6010D
Magnesium	3180	6.0	mg/Kg	1	03/17/23	CPP	SW6010D
Manganese	295	4.0	mg/Kg	10	03/17/23	CPP	SW6010D
Sodium	320	6.0	mg/Kg	1	03/17/23	CPP	SW6010D
Nickel	16.1	0.40	mg/Kg	1	03/17/23	CPP	SW6010D
Lead	16.8	0.40	mg/Kg	1	03/17/23	CPP	SW6010D
Antimony	< 4.0	4.0	mg/Kg	1	03/17/23	CPP	SW6010D
Selenium	< 1.6	1.6	mg/Kg	1	03/17/23	CPP	SW6010D
TCLP Silver	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Aluminum	< 1.0	1.0	mg/L	1	03/16/23	CPP	SW6010D
TCLP Arsenic	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Barium	0.43	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Beryllium	< 0.040	0.040	mg/L	1	03/16/23	CPP	SW6010D
TCLP Calcium	296	0.10	mg/L	1	03/16/23	CPP	SW6010D
TCLP Cadmium	< 0.050	0.050	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Cobalt	< 1.0	1.0	mg/L	1	03/16/23	CPP	SW6010D

Ver 2

Project ID: JPL-SANDRESPC
Client ID: SB-04 COMPOSITE

Phoenix I.D.: CN59816

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
TCLP Chromium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Copper	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Iron	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	03/16/23	AL1	SW846 1311/7470	
TCLP Magnesium	5.82	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Manganese	1.87	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Nickel	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Lead	0.14	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Antimony	< 0.060	0.060	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Selenium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010D	
TCLP Thallium	< 0.050	0.050	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Vanadium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Zinc	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010D	
Thallium	< 3.6	3.6	mg/Kg	1	03/17/23	CPP	SW6010D	
TCLP Metals Digestion	Completed				03/16/23	W/W	SW3010A	
Vanadium	19.6	0.40	mg/Kg	1	03/17/23	CPP	SW6010D	
Zinc	38.6	0.8	mg/Kg	1	03/17/23	CPP	SW6010D	
Percent Solid	83		%		03/15/23	AL	SW846-%Solid	
Corrosivity	Negative		Pos/Neg	1	03/15/23	MW/EG	SW846-Corr	1
Flash Point	>200	200	Degree F	1	03/17/23	G	SW1010B	
Chromium, Hex. (SW3060A digestion	< 0.47	0.47	mg/Kg	1	03/16/23	DK	SW7196A	
Ignitability	Passed	140	degree F	1	03/17/23	G	SW846-Ignit	1
pH at 25C - Soil	7.93	1.00	pH Units	1	03/15/23 21:48	MW/EG	SW846 9045D	1
Reactivity Cyanide	< 6	6	mg/Kg	1	03/17/23	DK/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20	mg/Kg	1	03/17/23	DK/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	03/17/23	DK/GD	SW846-React	1
Redox Potential	266		mV	1	03/15/23	MW/EG	SM2580B-09	1
Mercury Digestion	Completed				03/16/23	W/W	SW7471B	
Extraction of NY ETPH	Completed				03/15/23	B/P/M	SW3546	
Soil Extraction for Herbicide	Completed				03/15/23	J/D	SW3546	
Soil Extraction for PCB	Completed				03/15/23	P/B/F	SW3546	
Soil Extraction for SVOA	Completed				03/15/23	B/F	SW3546	
Paint Filter Test	Passed		PASS/FAIL		03/15/23	O	SW9095B	
TCLP Digestion Mercury	Completed				03/16/23	W/W	SW7470A	
TCLP Extraction for Metals	Completed				03/15/23	W	SW1311	
Total Metals Digest	Completed				03/15/23	J/AG	SW3050B	
Gasoline Range Hydrocarbons (C6-C10)								
GRO (C6-C10)	ND	L 7.1	mg/Kg	50	03/16/23	V	SW8015D GRO	
QA/QC Surrogates								
% 2,5-Dibromotoluene (FID)	102		%	50	03/16/23	V	70 - 130 %	
Chlorinated Herbicides								
2,4,5-T	ND	150	ug/Kg	10	03/16/23	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	150	ug/Kg	10	03/16/23	JRB	SW8151A	
2,4-D	ND	300	ug/Kg	10	03/16/23	JRB	SW8151A	
2,4-DB	ND	3000	ug/Kg	10	03/16/23	JRB	SW8151A	
Dalapon	ND	150	ug/Kg	10	03/16/23	JRB	SW8151A	
Dicamba	ND	150	ug/Kg	10	03/16/23	JRB	SW8151A	

Project ID: JPL-SANDRESPC
Client ID: SB-04 COMPOSITE

Phoenix I.D.: CN59816

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Dichloroprop	ND	300	ug/Kg	10	03/16/23	JRB	SW8151A	
Dinoseb	ND	300	ug/Kg	10	03/16/23	JRB	SW8151A	
QA/QC Surrogates								
% DCAA	87		%	10	03/16/23	JRB	30 - 150 %	
% DCAA (Confirmation)	106		%	10	03/16/23	JRB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	79	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1221	ND	79	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1232	ND	79	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1242	ND	79	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1248	ND	79	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1254	ND	79	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1260	ND	79	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1262	ND	79	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1268	ND	79	ug/Kg	2	03/16/23	SC	SW8082A	
QA/QC Surrogates								
% DCBP	91		%	2	03/16/23	SC	30 - 150 %	
% DCBP (Confirmation)	89		%	2	03/16/23	SC	30 - 150 %	
% TCMX	91		%	2	03/16/23	SC	30 - 150 %	
% TCMX (Confirmation)	92		%	2	03/16/23	SC	30 - 150 %	
TPH by GC (Extractable (C9-C36))								
Fuel Oil #2 / Diesel Fuel	ND	59	mg/kg	1	03/16/23	JRB	SW8015D DRO	1
Fuel Oil #4	ND	59	mg/kg	1	03/16/23	JRB	SW8015D DRO	1
Fuel Oil #6	ND	59	mg/kg	1	03/16/23	JRB	SW8015D DRO	1
Kerosene	ND	59	mg/kg	1	03/16/23	JRB	SW8015D DRO	1
Motor Oil	ND	59	mg/kg	1	03/16/23	JRB	SW8015D DRO	1
Total TPH	ND	59	mg/kg	1	03/16/23	JRB	SW8015D DRO	1
Unidentified	ND	59	mg/kg	1	03/16/23	JRB	SW8015D DRO	1
QA/QC Surrogates								
% COD (surr)	74		%	1	03/16/23	JRB	50 - 150 %	
% Terphenyl (surr)	76		%	1	03/16/23	JRB	50 - 150 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
1,2,4-Trichlorobenzene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
1,2-Dichlorobenzene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
1,2-Diphenylhydrazine	ND	400	ug/Kg	1	03/16/23	AW	SW8270D	
1,3-Dichlorobenzene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
1,4-Dichlorobenzene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	1
2,4,5-Trichlorophenol	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
2,4,6-Trichlorophenol	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
2,4-Dichlorophenol	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
2,4-Dimethylphenol	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
2,4-Dinitrophenol	ND	400	ug/Kg	1	03/16/23	AW	SW8270D	
2,4-Dinitrotoluene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
2,6-Dinitrotoluene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
2-Chloronaphthalene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	

Project ID: JPL-SANDRESPC
Client ID: SB-04 COMPOSITE

Phoenix I.D.: CN59816

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2-Chlorophenol	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
2-Methylnaphthalene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
2-Methylphenol (o-cresol)	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
2-Nitroaniline	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
2-Nitrophenol	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
3,3'-Dichlorobenzidine	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
3-Nitroaniline	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
4,6-Dinitro-2-methylphenol	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
4-Bromophenyl phenyl ether	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
4-Chloro-3-methylphenol	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
4-Chloroaniline	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
4-Chlorophenyl phenyl ether	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
4-Nitroaniline	ND	640	ug/Kg	1	03/16/23	AW	SW8270D
4-Nitrophenol	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Acenaphthene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Acenaphthylene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Acetophenone	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Aniline	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
Anthracene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Benz(a)anthracene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Benzidine	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Benzo(a)pyrene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Benzo(b)fluoranthene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Benzo(ghi)perylene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Benzo(k)fluoranthene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Benzoic acid	ND	800	ug/Kg	1	03/16/23	AW	SW8270D
Benzyl butyl phthalate	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Bis(2-chloroethoxy)methane	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Bis(2-chloroethyl)ether	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
Bis(2-ethylhexyl)phthalate	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
Carbazole	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
Chrysene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Dibenz(a,h)anthracene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Dibenzofuran	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Diethyl phthalate	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Dimethylphthalate	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Di-n-butylphthalate	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
Di-n-octylphthalate	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Fluoranthene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Fluorene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Hexachlorobenzene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Hexachlorobutadiene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Hexachlorocyclopentadiene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Hexachloroethane	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Indeno(1,2,3-cd)pyrene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Isophorone	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Naphthalene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Nitrobenzene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D

Project ID: JPL-SANDRESPC
Client ID: SB-04 COMPOSITE

Phoenix I.D.: CN59816

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
N-Nitrosodimethylamine	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
N-Nitrosodi-n-propylamine	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
N-Nitrosodiphenylamine	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
Pentachloronitrobenzene	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
Pentachlorophenol	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
Phenanthrene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Phenol	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Pyrene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Pyridine	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	73		%	1	03/16/23	AW	30 - 130 %
% 2-Fluorobiphenyl	67		%	1	03/16/23	AW	30 - 130 %
% 2-Fluorophenol	59		%	1	03/16/23	AW	30 - 130 %
% Nitrobenzene-d5	63		%	1	03/16/23	AW	30 - 130 %
% Phenol-d5	64		%	1	03/16/23	AW	30 - 130 %
% Terphenyl-d14	58		%	1	03/16/23	AW	30 - 130 %

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:

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.

The GRO (C6-C10) is quantitated using an gasoline standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

Paint Filter Test:
Pass = no free liquids were detected. Fail = free liquids were detected.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide. This method is no longer listed in the current version of SW-846.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Sulfide. This method is no longer listed in the current version of SW-846.

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the GRO/VPH soil data as biased low.

GRO Analysis Comment:
This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

Hexavalent Chromium:
This sample reducing or oxidizing state was not determined.

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
March 23, 2023
Reviewed and Released by: Sarah Bell, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 23, 2023

FOR: Attn: Michael Gianco
GIANCO Environmental Services
35 Pinelawn Rd Ste 214E
Melvill, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		03/14/23	14:40
Location Code:	GIANCO	Received by:	SR1	03/15/23	11:20
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN59813
Phoenix ID: CN59817

Project ID: JPL-SANDRESPC
Client ID: TW-04

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Cadmium	0.015	0.001	mg/L	1	03/16/23	CPP	SW6010D	
Chromium	0.335	0.001	mg/L	1	03/16/23	CPP	SW6010D	
Mercury	< 0.0002	0.0002	mg/L	1	03/16/23	PM	SW7470A	
Nickel	0.254	0.001	mg/L	1	03/16/23	CPP	SW6010D	
Lead	0.105	0.001	mg/L	1	03/16/23	CPP	SW6010D	
Zinc	0.341	0.004	mg/L	1	03/16/23	CPP	SW6010D	
Flash Point	>200	200	Degree F	1	03/20/23	G	SW1010B	
Chromium, Hexavalent	< 0.02	0.02	mg/L	2	03/15/23 13:08	EG	SM3500CRB-11	
Ignitability	Passed	140	degree F	1	03/20/23	G	SW846-Ignit	1
Phenolics	< 0.015	0.015	mg/L	1	03/20/23	MSF	E420.4	
pH	7.52	1.00	pH Units	1	03/16/23 04:15	MW/EG	SM4500-H B-11	1
O&G, Non-polar Material	1.5	1.5	mg/L	1.1	03/17/23	MSF	E1664A	
Total Suspended Solids	95000	500	mg/L	100	03/16/23	Z/NP	SM2540D-15	
Mercury Digestion	Completed				03/16/23	W/W	SW7470A	
Total Metals Digestion	Completed				03/15/23	AG	SW3010A	

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	03/15/23	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,1-Dichloroethane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	ug/L	1	03/15/23	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	

Project ID: JPL-SANDRESPC
Client ID: TW-04

Phoenix I.D.: CN59817

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	ug/L	1	03/15/23	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	ug/L	1	03/15/23	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	ug/L	1	03/15/23	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	03/15/23	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	03/15/23	MH	SW8260C	
Acetone	ND	25	ug/L	1	03/15/23	MH	SW8260C	
Acrylonitrile	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Benzene	ND	0.70	ug/L	1	03/15/23	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	1	03/15/23	MH	SW8260C	
Bromoform	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	1	03/15/23	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Chloroform	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Chloromethane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	03/15/23	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	1	03/15/23	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Ethylbenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	1	03/15/23	MH	SW8260C	
Isopropylbenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
m&p-Xylene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	ug/L	1	03/15/23	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Naphthalene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
n-Butylbenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
n-Propylbenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
sec-Butylbenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Styrene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	

Project ID: JPL-SANDRESPC
Client ID: TW-04

Phoenix I.D.: CN59817

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
tert-Butylbenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	03/15/23	MH	SW8260C	1
Toluene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Total Xylenes	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	03/15/23	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	03/15/23	MH	SW8260C	
Trichloroethene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Vinyl chloride	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98		%	1	03/15/23	MH	70 - 130 %	
% Bromofluorobenzene	99		%	1	03/15/23	MH	70 - 130 %	
% Dibromofluoromethane	98		%	1	03/15/23	MH	70 - 130 %	
% Toluene-d8	97		%	1	03/15/23	MH	70 - 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
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.

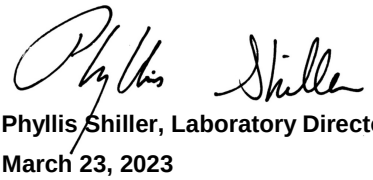
Comments:

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

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

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



Phyllis Shiller, Laboratory Director
March 23, 2023
Reviewed and Released by: Sarah Bell, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 23, 2023

FOR: Attn: Michael Gianco
GIANCO Environmental Services
35 Pinelawn Rd Ste 214E
Melvill, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		03/14/23	14:05
Location Code:	GIANCO	Received by:	SR1	03/15/23	11:20
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN59813
Phoenix ID: CN59818

Project ID: JPL-SANDRESPC
Client ID: TW-09

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Cadmium	0.141	0.001	mg/L	1	03/16/23	CPP	SW6010D	
Chromium	0.791	0.001	mg/L	1	03/16/23	CPP	SW6010D	
Mercury	< 0.0002	0.0002	mg/L	1	03/16/23	PM	SW7470A	
Nickel	1.14	0.001	mg/L	1	03/16/23	CPP	SW6010D	
Lead	1.57	0.001	mg/L	1	03/16/23	CPP	SW6010D	
Zinc	4.18	0.040	mg/L	10	03/21/23	TH	SW6010D	
Flash Point	>200	200	Degree F	1	03/20/23	G	SW1010B	
Chromium, Hexavalent	< 0.02	0.02	mg/L	2	03/15/23 13:08	EG	SM3500CRB-11	
Ignitability	Passed	140	degree F	1	03/20/23	G	SW846-Ignit	1
Phenolics	0.043	0.015	mg/L	1	03/20/23	MSF	E420.4	
pH	7.77	1.00	pH Units	1	03/15/23 21:48	MW	SM4500-H B-11	1
O&G, Non-polar Material	110	1.4	mg/L	1	03/17/23	MSF	E1664A	
Total Suspended Solids	160000	500	mg/L	100	03/16/23	Z/NP	SM2540D-15	
Mercury Digestion	Completed				03/16/23	W/W	SW7470A	
Total Metals Digestion	Completed				03/15/23	AG	SW3010A	

Volatiles

1,1,1,2-Tetrachloroethane	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
1,1,1-Trichloroethane	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	2	03/16/23	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	ug/L	2	03/16/23	MH	SW8260C	
1,1-Dichloroethane	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
1,1-Dichloroethene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
1,1-Dichloropropene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.50	ug/L	2	03/16/23	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	

Project ID: JPL-SANDRESPC
Client ID: TW-09

Phoenix I.D.: CN59818

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,2,4-Trimethylbenzene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	2	03/16/23	MH	SW8260C	
1,2-Dibromoethane	ND	0.50	ug/L	2	03/16/23	MH	SW8260C	
1,2-Dichlorobenzene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	ug/L	2	03/16/23	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	ug/L	2	03/16/23	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
1,3-Dichlorobenzene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
1,3-Dichloropropane	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
1,4-Dichlorobenzene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
2,2-Dichloropropane	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
2-Chlorotoluene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
2-Hexanone	ND	10	ug/L	2	03/16/23	MH	SW8260C	
2-Isopropyltoluene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	1
4-Chlorotoluene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
4-Methyl-2-pentanone	ND	10	ug/L	2	03/16/23	MH	SW8260C	
Acetone	ND	50	ug/L	2	03/16/23	MH	SW8260C	
Acrylonitrile	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Benzene	ND	0.70	ug/L	2	03/16/23	MH	SW8260C	
Bromobenzene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Bromochloromethane	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Bromodichloromethane	ND	1.0	ug/L	2	03/16/23	MH	SW8260C	
Bromoform	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Bromomethane	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Carbon Disulfide	ND	10	ug/L	2	03/16/23	MH	SW8260C	
Carbon tetrachloride	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Chlorobenzene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Chloroethane	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Chloroform	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Chloromethane	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
cis-1,2-Dichloroethene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	2	03/16/23	MH	SW8260C	
Dibromochloromethane	ND	1.0	ug/L	2	03/16/23	MH	SW8260C	
Dibromomethane	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Dichlorodifluoromethane	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Ethylbenzene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Hexachlorobutadiene	ND	0.50	ug/L	2	03/16/23	MH	SW8260C	
Isopropylbenzene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
m&p-Xylene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Methyl ethyl ketone	ND	10	ug/L	2	03/16/23	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Methylene chloride	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Naphthalene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
n-Butylbenzene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
n-Propylbenzene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
o-Xylene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
p-Isopropyltoluene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
sec-Butylbenzene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Styrene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	

Project ID: JPL-SANDRESPC
Client ID: TW-09

Phoenix I.D.: CN59818

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
tert-Butylbenzene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Tetrachloroethene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Tetrahydrofuran (THF)	ND	5.0	ug/L	2	03/16/23	MH	SW8260C	1
Toluene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Total Xylenes	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
trans-1,2-Dichloroethene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	ug/L	2	03/16/23	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	2	03/16/23	MH	SW8260C	
Trichloroethene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Trichlorofluoromethane	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Trichlorotrifluoroethane	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Vinyl chloride	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4 (2x)	99		%	2	03/16/23	MH	70 - 130 %	
% Bromofluorobenzene (2x)	100		%	2	03/16/23	MH	70 - 130 %	
% Dibromofluoromethane (2x)	98		%	2	03/16/23	MH	70 - 130 %	
% Toluene-d8 (2x)	96		%	2	03/16/23	MH	70 - 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
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:

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Volatile Comment:
Elevated reporting limits for volatiles due to the amount of sediment in the vial.

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

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

Phyllis Shiller, Laboratory Director
March 23, 2023
Reviewed and Released by: Sarah Bell, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 23, 2023

FOR: Attn: Michael Gianco
GIANCO Environmental Services
35 Pinelawn Rd Ste 214E
Melvill, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		03/14/23	13:45
Location Code:	GIANCO	Received by:	SR1	03/15/23	11:20
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN59813
Phoenix ID: CN59819

Project ID: JPL-SANDRESPC
Client ID: TW-11

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Cadmium	0.044	0.001	mg/L	1	03/16/23	CPP	SW6010D	
Chromium	0.459	0.001	mg/L	1	03/16/23	CPP	SW6010D	
Mercury	< 0.0002	0.0002	mg/L	1	03/16/23	PM	SW7470A	
Nickel	0.417	0.001	mg/L	1	03/16/23	CPP	SW6010D	
Lead	0.508	0.001	mg/L	1	03/16/23	CPP	SW6010D	
Zinc	1.21	0.004	mg/L	1	03/16/23	CPP	SW6010D	
Flash Point	>200	200	Degree F	1	03/20/23	G	SW1010B	
Chromium, Hexavalent	< 0.02	0.02	mg/L	2	03/15/23 13:08	EG	SM3500CRB-11	
Ignitability	Passed	140	degree F	1	03/20/23	G	SW846-Ignit	1
Phenolics	< 0.015	0.015	mg/L	1	03/20/23	MSF	E420.4	
pH	7.29	1.00	pH Units	1	03/16/23 04:38	MW/EG	SM4500-H B-11	1
O&G, Non-polar Material	2.5	1.4	mg/L	1	03/17/23	MSF	E1664A	
Total Suspended Solids	50000	250	mg/L	50	03/16/23	Z/NP	SM2540D-15	
Mercury Digestion	Completed				03/16/23	W/W	SW7470A	
Total Metals Digestion	Completed				03/15/23	AG	SW3010A	

Volatiles

1,1,1,2-Tetrachloroethane	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
1,1,1-Trichloroethane	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	2	03/16/23	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	ug/L	2	03/16/23	MH	SW8260C	
1,1-Dichloroethane	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
1,1-Dichloroethene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
1,1-Dichloropropene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.50	ug/L	2	03/16/23	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	

Project ID: JPL-SANDRESPC
Client ID: TW-11

Phoenix I.D.: CN59819

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,2,4-Trimethylbenzene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	2	03/16/23	MH	SW8260C	
1,2-Dibromoethane	ND	0.50	ug/L	2	03/16/23	MH	SW8260C	
1,2-Dichlorobenzene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	ug/L	2	03/16/23	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	ug/L	2	03/16/23	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
1,3-Dichlorobenzene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
1,3-Dichloropropane	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
1,4-Dichlorobenzene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
2,2-Dichloropropane	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
2-Chlorotoluene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
2-Hexanone	ND	10	ug/L	2	03/16/23	MH	SW8260C	
2-Isopropyltoluene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	1
4-Chlorotoluene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
4-Methyl-2-pentanone	ND	10	ug/L	2	03/16/23	MH	SW8260C	
Acetone	ND	50	ug/L	2	03/16/23	MH	SW8260C	
Acrylonitrile	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Benzene	ND	0.70	ug/L	2	03/16/23	MH	SW8260C	
Bromobenzene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Bromochloromethane	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Bromodichloromethane	ND	1.0	ug/L	2	03/16/23	MH	SW8260C	
Bromoform	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Bromomethane	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Carbon Disulfide	ND	10	ug/L	2	03/16/23	MH	SW8260C	
Carbon tetrachloride	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Chlorobenzene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Chloroethane	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Chloroform	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Chloromethane	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
cis-1,2-Dichloroethene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	2	03/16/23	MH	SW8260C	
Dibromochloromethane	ND	1.0	ug/L	2	03/16/23	MH	SW8260C	
Dibromomethane	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Dichlorodifluoromethane	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Ethylbenzene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Hexachlorobutadiene	ND	0.50	ug/L	2	03/16/23	MH	SW8260C	
Isopropylbenzene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
m&p-Xylene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Methyl ethyl ketone	ND	10	ug/L	2	03/16/23	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Methylene chloride	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Naphthalene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
n-Butylbenzene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
n-Propylbenzene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
o-Xylene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
p-Isopropyltoluene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
sec-Butylbenzene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Styrene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	

Project ID: JPL-SANDRESPC
Client ID: TW-11

Phoenix I.D.: CN59819

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
tert-Butylbenzene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Tetrachloroethene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Tetrahydrofuran (THF)	ND	5.0	ug/L	2	03/16/23	MH	SW8260C	1
Toluene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Total Xylenes	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
trans-1,2-Dichloroethene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	ug/L	2	03/16/23	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	2	03/16/23	MH	SW8260C	
Trichloroethene	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Trichlorofluoromethane	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Trichlorotrifluoroethane	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
Vinyl chloride	ND	2.0	ug/L	2	03/16/23	MH	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4 (2x)	101		%	2	03/16/23	MH	70 - 130 %	
% Bromofluorobenzene (2x)	100		%	2	03/16/23	MH	70 - 130 %	
% Dibromofluoromethane (2x)	101		%	2	03/16/23	MH	70 - 130 %	
% Toluene-d8 (2x)	97		%	2	03/16/23	MH	70 - 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
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:

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Volatile Comment:
Elevated reporting limits for volatiles due to the amount of sediment in the vial.

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

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

Phyllis Shiller, Laboratory Director
March 23, 2023
Reviewed and Released by: Sarah Bell, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 23, 2023

FOR: Attn: Michael Gianco
GIANCO Environmental Services
35 Pinelawn Rd Ste 214E
Melvill, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		03/14/23	13:15
Location Code:	GIANCO	Received by:	SR1	03/15/23	11:20
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN59813
Phoenix ID: CN59820

Project ID: JPL-SANDRESPC
Client ID: TW-13

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Cadmium	0.055	0.001	mg/L	1	03/16/23	CPP	SW6010D	
Chromium	0.677	0.001	mg/L	1	03/16/23	CPP	SW6010D	
Mercury	< 0.0002	0.0002	mg/L	1	03/16/23	PM	SW7470A	
Nickel	1.13	0.001	mg/L	1	03/16/23	CPP	SW6010D	
Lead	0.612	0.001	mg/L	1	03/16/23	CPP	SW6010D	
Zinc	1.46	0.004	mg/L	1	03/16/23	CPP	SW6010D	
Flash Point	>200	200	Degree F	1	03/20/23	G	SW1010B	
Chromium, Hexavalent	< 0.02	0.02	mg/L	2	03/15/23 13:08	EG	SM3500CRB-11	
Ignitability	Passed	140	degree F	1	03/20/23	G	SW846-Ignit	1
Phenolics	0.038	0.015	mg/L	1	03/20/23	MSF	E420.4	
pH	7.01	1.00	pH Units	1	03/16/23 04:42	MW/EG	SM4500-H B-11	1
O&G, Non-polar Material	2.9	1.6	mg/L	1.1	03/17/23	MSF	E1664A	
Total Suspended Solids	53000	250	mg/L	50	03/16/23	Z/NP	SM2540D-15	
Mercury Digestion	Completed				03/16/23	W/W	SW7470A	
Total Metals Digestion	Completed				03/15/23	AG	SW3010A	

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	03/15/23	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,1-Dichloroethane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	ug/L	1	03/15/23	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	

Project ID: JPL-SANDRESPC
Client ID: TW-13

Phoenix I.D.: CN59820

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	ug/L	1	03/15/23	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	ug/L	1	03/15/23	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	ug/L	1	03/15/23	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	03/15/23	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	03/15/23	MH	SW8260C	
Acetone	ND	25	ug/L	1	03/15/23	MH	SW8260C	
Acrylonitrile	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Benzene	ND	0.70	ug/L	1	03/15/23	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	1	03/15/23	MH	SW8260C	
Bromoform	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	1	03/15/23	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Chloroform	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Chloromethane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	03/15/23	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	1	03/15/23	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Ethylbenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	1	03/15/23	MH	SW8260C	
Isopropylbenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
m&p-Xylene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	ug/L	1	03/15/23	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Naphthalene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
n-Butylbenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
n-Propylbenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
sec-Butylbenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Styrene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	

Project ID: JPL-SANDRESPC
Client ID: TW-13

Phoenix I.D.: CN59820

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
tert-Butylbenzene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	03/15/23	MH	SW8260C	1
Toluene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Total Xylenes	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	03/15/23	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	03/15/23	MH	SW8260C	
Trichloroethene	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
Vinyl chloride	ND	1.0	ug/L	1	03/15/23	MH	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100		%	1	03/15/23	MH	70 - 130 %	
% Bromofluorobenzene	100		%	1	03/15/23	MH	70 - 130 %	
% Dibromofluoromethane	100		%	1	03/15/23	MH	70 - 130 %	
% Toluene-d8	97		%	1	03/15/23	MH	70 - 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
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:

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

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

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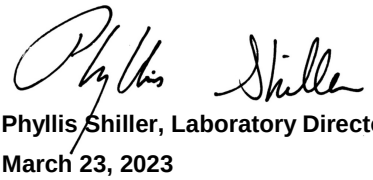


Phyllis Shiller, Laboratory Director
March 23, 2023
Reviewed and Released by: Sarah Bell, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 23, 2023

FOR: Attn: Michael Gianco
GIANCO Environmental Services
35 Pinelawn Rd Ste 214E
Melvill, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/13/23	14:50
Location Code:	GIANCO	Received by:	SR1	03/15/23	11:20
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN59813
Phoenix ID: CN59821

Project ID: JPL-SANDRESPC
Client ID: SB-09 GRAB (5.5-6)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Field Extraction	Completed				03/13/23		SW5035A	1
Volatiles								
1,1,1,2-Tetrachloroethane	ND	360	ug/Kg	50	03/16/23	PS	SW8260C	
1,1,1-Trichloroethane	ND	360	ug/Kg	50	03/16/23	PS	SW8260C	
1,1,2,2-Tetrachloroethane	ND	360	ug/Kg	50	03/16/23	PS	SW8260C	
1,1,2-Trichloroethane	ND	360	ug/Kg	50	03/16/23	PS	SW8260C	
1,1-Dichloroethane	ND	270	ug/Kg	50	03/16/23	PS	SW8260C	
1,1-Dichloroethene	ND	330	ug/Kg	50	03/16/23	PS	SW8260C	
1,1-Dichloropropene	ND	360	ug/Kg	50	03/16/23	PS	SW8260C	
1,2,3-Trichlorobenzene	ND	360	ug/Kg	50	03/16/23	PS	SW8260C	
1,2,3-Trichloropropane	ND	360	ug/Kg	50	03/16/23	PS	SW8260C	
1,2,4-Trichlorobenzene	ND	360	ug/Kg	50	03/16/23	PS	SW8260C	
1,2,4-Trimethylbenzene	ND	360	ug/Kg	50	03/16/23	PS	SW8260C	
1,2-Dibromo-3-chloropropane	ND	360	ug/Kg	50	03/16/23	PS	SW8260C	
1,2-Dibromoethane	ND	360	ug/Kg	50	03/16/23	PS	SW8260C	
1,2-Dichlorobenzene	ND	360	ug/Kg	50	03/16/23	PS	SW8260C	
1,2-Dichloroethane	ND	20	ug/Kg	50	03/16/23	PS	SW8260C	
1,2-Dichloropropane	ND	360	ug/Kg	50	03/16/23	PS	SW8260C	
1,3,5-Trimethylbenzene	ND	360	ug/Kg	50	03/16/23	PS	SW8260C	
1,3-Dichlorobenzene	ND	360	ug/Kg	50	03/16/23	PS	SW8260C	
1,3-Dichloropropane	ND	360	ug/Kg	50	03/16/23	PS	SW8260C	
1,4-Dichlorobenzene	ND	360	ug/Kg	50	03/16/23	PS	SW8260C	
2,2-Dichloropropane	ND	360	ug/Kg	50	03/16/23	PS	SW8260C	
2-Chlorotoluene	ND	360	ug/Kg	50	03/16/23	PS	SW8260C	
2-Hexanone	ND	1800	ug/Kg	50	03/16/23	PS	SW8260C	
2-Isopropyltoluene	220	210	ug/Kg	50	03/16/23	PS	SW8260C	1

Project ID: JPL-SANDRESPC
Client ID: SB-09 GRAB (5.5-6)

Phoenix I.D.: CN59821

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	360	ug/Kg	50	03/16/23	PS	SW8260C
4-Methyl-2-pentanone	ND	1800	ug/Kg	50	03/16/23	PS	SW8260C
Acetone	ND	50	ug/Kg	50	03/16/23	PS	SW8260C
Acrylonitrile	ND	710	ug/Kg	50	03/16/23	PS	SW8260C
Benzene	ND	60	ug/Kg	50	03/16/23	PS	SW8260C
Bromobenzene	ND	360	ug/Kg	50	03/16/23	PS	SW8260C
Bromochloromethane	ND	360	ug/Kg	50	03/16/23	PS	SW8260C
Bromodichloromethane	ND	360	ug/Kg	50	03/16/23	PS	SW8260C
Bromoform	ND	360	ug/Kg	50	03/16/23	PS	SW8260C
Bromomethane	ND	360	ug/Kg	50	03/16/23	PS	SW8260C
Carbon Disulfide	ND	360	ug/Kg	50	03/16/23	PS	SW8260C
Carbon tetrachloride	ND	360	ug/Kg	50	03/16/23	PS	SW8260C
Chlorobenzene	ND	360	ug/Kg	50	03/16/23	PS	SW8260C
Chloroethane	ND	360	ug/Kg	50	03/16/23	PS	SW8260C
Chloroform	ND	360	ug/Kg	50	03/16/23	PS	SW8260C
Chloromethane	ND	360	ug/Kg	50	03/16/23	PS	SW8260C
cis-1,2-Dichloroethene	ND	250	ug/Kg	50	03/16/23	PS	SW8260C
cis-1,3-Dichloropropene	ND	360	ug/Kg	50	03/16/23	PS	SW8260C
Dibromochloromethane	ND	360	ug/Kg	50	03/16/23	PS	SW8260C
Dibromomethane	ND	360	ug/Kg	50	03/16/23	PS	SW8260C
Dichlorodifluoromethane	ND	360	ug/Kg	50	03/16/23	PS	SW8260C
Ethylbenzene	ND	360	ug/Kg	50	03/16/23	PS	SW8260C
Hexachlorobutadiene	ND	360	ug/Kg	50	03/16/23	PS	SW8260C
Isopropylbenzene	390	360	ug/Kg	50	03/16/23	PS	SW8260C
m&p-Xylene	ND	250	ug/Kg	50	03/16/23	PS	SW8260C
Methyl Ethyl Ketone	ND	120	ug/Kg	50	03/16/23	PS	SW8260C
Methyl t-butyl ether (MTBE)	ND	710	ug/Kg	50	03/16/23	PS	SW8260C
Methylene chloride	ND	50	ug/Kg	50	03/16/23	PS	SW8260C
Naphthalene	360	360	ug/Kg	50	03/16/23	PS	SW8260C
n-Butylbenzene	1800	360	ug/Kg	50	03/16/23	PS	SW8260C
n-Propylbenzene	160	140	ug/Kg	50	03/16/23	PS	SW8260C
o-Xylene	ND	250	ug/Kg	50	03/16/23	PS	SW8260C
p-Isopropyltoluene	ND	360	ug/Kg	50	03/16/23	PS	SW8260C
sec-Butylbenzene	1500	360	ug/Kg	50	03/16/23	PS	SW8260C
Styrene	ND	250	ug/Kg	50	03/16/23	PS	SW8260C
tert-Butylbenzene	ND	360	ug/Kg	50	03/16/23	PS	SW8260C
Tetrachloroethene	ND	360	ug/Kg	50	03/16/23	PS	SW8260C
Tetrahydrofuran (THF)	ND	710	ug/Kg	50	03/16/23	PS	SW8260C
Toluene	ND	360	ug/Kg	50	03/16/23	PS	SW8260C
Total Xylenes	ND	250	ug/Kg	50	03/16/23	PS	SW8260C
trans-1,2-Dichloroethene	ND	190	ug/Kg	50	03/16/23	PS	SW8260C
trans-1,3-Dichloropropene	ND	360	ug/Kg	50	03/16/23	PS	SW8260C
trans-1,4-dichloro-2-butene	ND	710	ug/Kg	50	03/16/23	PS	SW8260C
Trichloroethene	ND	360	ug/Kg	50	03/16/23	PS	SW8260C
Trichlorofluoromethane	ND	360	ug/Kg	50	03/16/23	PS	SW8260C
Trichlorotrifluoroethane	ND	360	ug/Kg	50	03/16/23	PS	SW8260C
Vinyl chloride	ND	20	ug/Kg	50	03/16/23	PS	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4 (50x)	100		%	50	03/16/23	PS	70 - 130 %

Project ID: JPL-SANDRESPC
Client ID: SB-09 GRAB (5.5-6)

Phoenix I.D.: CN59821

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene (50x)	100		%	50	03/16/23	PS	70 - 130 %
% Dibromofluoromethane (50x)	89		%	50	03/16/23	PS	70 - 130 %
% Toluene-d8 (50x)	96		%	50	03/16/23	PS	70 - 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
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

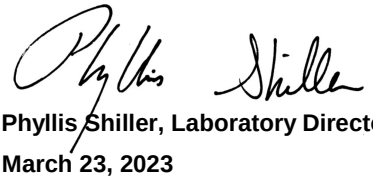
Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:
Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

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
March 23, 2023
Reviewed and Released by: Sarah Bell, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 23, 2023

FOR: Attn: Michael Gianco
GIANCO Environmental Services
35 Pinelawn Rd Ste 214E
Melvill, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/13/23	14:55
Location Code:	GIANCO	Received by:	SR1	03/15/23	11:20
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN59813
Phoenix ID: CN59822

Project ID: JPL-SANDRESPC
Client ID: SB-09 COMP

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.41	0.41	mg/Kg	1	03/18/23	CPP	SW6010D
Aluminum	11700	61	mg/Kg	10	03/17/23	CPP	SW6010D
Arsenic	2.21	0.81	mg/Kg	1	03/18/23	CPP	SW6010D
Barium	117	0.41	mg/Kg	1	03/18/23	CPP	SW6010D
Beryllium	0.81	0.33	mg/Kg	1	03/18/23	CPP	SW6010D
Calcium	4320	6.1	mg/Kg	1	03/18/23	CPP	SW6010D
Cadmium	1.15	0.41	mg/Kg	1	03/18/23	CPP	SW6010D
Cobalt	10.5	0.41	mg/Kg	1	03/18/23	CPP	SW6010D
Chromium	20.7	0.41	mg/Kg	1	03/18/23	CPP	SW6010D
Copper	91.6	0.8	mg/kg	1	03/18/23	CPP	SW6010D
Iron	21300	61	mg/Kg	10	03/17/23	CPP	SW6010D
Mercury	0.04	0.03	mg/Kg	2	03/16/23	PM	SW7471B
Potassium	1800	61	mg/Kg	10	03/17/23	CPP	SW6010D
Magnesium	4260	6.1	mg/Kg	1	03/18/23	CPP	SW6010D
Manganese	207	4.1	mg/Kg	10	03/17/23	CPP	SW6010D
Sodium	348	6.1	mg/Kg	1	03/18/23	CPP	SW6010D
Nickel	27.4	0.41	mg/Kg	1	03/18/23	CPP	SW6010D
Lead	84.4	0.41	mg/Kg	1	03/18/23	CPP	SW6010D
Antimony	< 4.1	4.1	mg/Kg	1	03/18/23	CPP	SW6010D
Selenium	< 1.6	1.6	mg/Kg	1	03/18/23	CPP	SW6010D
TCLP Silver	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Aluminum	< 1.0	1.0	mg/L	1	03/16/23	CPP	SW6010D
TCLP Arsenic	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Barium	0.55	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Beryllium	< 0.040	0.040	mg/L	1	03/16/23	CPP	SW6010D
TCLP Calcium	132	0.10	mg/L	1	03/16/23	CPP	SW6010D
TCLP Cadmium	< 0.050	0.050	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Cobalt	< 1.0	1.0	mg/L	1	03/16/23	CPP	SW6010D

Ver 2

Project ID: JPL-SANDRESPC
Client ID: SB-09 COMP

Phoenix I.D.: CN59822

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
TCLP Chromium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Copper	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Iron	18.2	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	03/16/23	AL1	SW846 1311/7470	
TCLP Magnesium	5.55	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Manganese	1.35	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Nickel	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Lead	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Antimony	< 0.060	0.060	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Selenium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010D	
TCLP Thallium	< 0.050	0.050	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Vanadium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Zinc	0.15	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010D	
Thallium	< 3.7	3.7	mg/Kg	1	03/18/23	CPP	SW6010D	
TCLP Metals Digestion	Completed				03/16/23	W/W	SW3010A	
Vanadium	23.0	0.41	mg/Kg	1	03/18/23	CPP	SW6010D	
Zinc	747	8.1	mg/Kg	10	03/17/23	CPP	SW6010D	
Percent Solid	83		%		03/15/23	AL	SW846-%Solid	
Corrosivity	Negative		Pos/Neg	1	03/15/23	MW	SW846-Corr	1
Flash Point	>200	200	Degree F	1	03/17/23	G	SW1010B	
Chromium, Hex. (SW3060A digestion	< 0.45	0.45	mg/Kg	1	03/16/23	DK	SW7196A	
Ignitability	Passed	140	degree F	1	03/17/23	G	SW846-Ignit	1
pH at 25C - Soil	7.80	1.00	pH Units	1	03/15/23 21:48	MW	SW846 9045D	1
Reactivity Cyanide	< 6	6	mg/Kg	1	03/17/23	DK/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20	mg/Kg	1	03/17/23	DK/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	03/17/23	DK/GD	SW846-React	1
Redox Potential	-159		mV	1	03/15/23	MW	SM2580B-09	1
Mercury Digestion	Completed				03/16/23	W/W	SW7471B	
Extraction of NY ETPH	Completed				03/15/23	B/P/M	SW3546	
Soil Extraction for Herbicide	Completed				03/15/23	J/D	SW3546	
Soil Extraction for PCB	Completed				03/15/23	P/B/F	SW3546	
Soil Extraction for SVOA	Completed				03/15/23	B/F	SW3546	
Paint Filter Test	Passed		PASS/FAIL		03/15/23	O	SW9095B	
TCLP Digestion Mercury	Completed				03/16/23	W/W	SW7470A	
TCLP Extraction for Metals	Completed				03/15/23	W	SW1311	
Total Metals Digest	Completed				03/15/23	J/AG	SW3050B	
Gasoline Range Hydrocarbons (C6-C10)								
GRO (C6-C10)	190	L 55	mg/Kg	400	03/16/23	RM	SW8015D GRO	
QA/QC Surrogates								
% 2,5-Dibromotoluene (FID)	117		%	400	03/16/23	RM	70 - 130 %	
Chlorinated Herbicides								
2,4,5-T	ND	150	ug/Kg	10	03/16/23	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	150	ug/Kg	10	03/16/23	JRB	SW8151A	
2,4-D	ND	300	ug/Kg	10	03/16/23	JRB	SW8151A	
2,4-DB	ND	3000	ug/Kg	10	03/16/23	JRB	SW8151A	
Dalapon	ND	150	ug/Kg	10	03/16/23	JRB	SW8151A	
Dicamba	ND	150	ug/Kg	10	03/16/23	JRB	SW8151A	

Project ID: JPL-SANDRESPC
Client ID: SB-09 COMP

Phoenix I.D.: CN59822

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Dichloroprop	ND	300	ug/Kg	10	03/16/23	JRB	SW8151A	
Dinoseb	ND	300	ug/Kg	10	03/16/23	JRB	SW8151A	
QA/QC Surrogates								
% DCAA	85		%	10	03/16/23	JRB	30 - 150 %	
% DCAA (Confirmation)	122		%	10	03/16/23	JRB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	79	ug/Kg	2	03/17/23	SC	SW8082A	
PCB-1221	ND	79	ug/Kg	2	03/17/23	SC	SW8082A	
PCB-1232	ND	79	ug/Kg	2	03/17/23	SC	SW8082A	
PCB-1242	ND	79	ug/Kg	2	03/17/23	SC	SW8082A	
PCB-1248	ND	79	ug/Kg	2	03/17/23	SC	SW8082A	
PCB-1254	ND	79	ug/Kg	2	03/17/23	SC	SW8082A	
PCB-1260	ND	79	ug/Kg	2	03/17/23	SC	SW8082A	
PCB-1262	ND	79	ug/Kg	2	03/17/23	SC	SW8082A	
PCB-1268	ND	79	ug/Kg	2	03/17/23	SC	SW8082A	
QA/QC Surrogates								
% DCBP	106		%	2	03/17/23	SC	30 - 150 %	
% DCBP (Confirmation)	94		%	2	03/17/23	SC	30 - 150 %	
% TCMX	84		%	2	03/17/23	SC	30 - 150 %	
% TCMX (Confirmation)	79		%	2	03/17/23	SC	30 - 150 %	
TPH by GC (Extractable (C9-C36))								
Fuel Oil #2 / Diesel Fuel	ND	290	mg/kg	5	03/16/23	JRB	SW8015D DRO	1
Fuel Oil #4	ND	290	mg/kg	5	03/16/23	JRB	SW8015D DRO	1
Fuel Oil #6	ND	290	mg/kg	5	03/16/23	JRB	SW8015D DRO	1
Kerosene	ND	290	mg/kg	5	03/16/23	JRB	SW8015D DRO	1
Motor Oil	ND	290	mg/kg	5	03/16/23	JRB	SW8015D DRO	1
Total TPH	2000	290	mg/kg	5	03/16/23	JRB	SW8015D DRO	1
Unidentified	**	290	mg/kg	5	03/16/23	JRB	SW8015D DRO	1
QA/QC Surrogates								
% COD (surr)	67		%	5	03/16/23	JRB	50 - 150 %	
% Terphenyl (surr)	136		%	5	03/16/23	JRB	50 - 150 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
1,2,4-Trichlorobenzene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
1,2-Dichlorobenzene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
1,2-Diphenylhydrazine	ND	400	ug/Kg	1	03/16/23	AW	SW8270D	
1,3-Dichlorobenzene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
1,4-Dichlorobenzene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	1
2,4,5-Trichlorophenol	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
2,4,6-Trichlorophenol	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
2,4-Dichlorophenol	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
2,4-Dimethylphenol	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
2,4-Dinitrophenol	ND	400	ug/Kg	1	03/16/23	AW	SW8270D	
2,4-Dinitrotoluene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
2,6-Dinitrotoluene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
2-Chloronaphthalene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	

Project ID: JPL-SANDRESPC
Client ID: SB-09 COMP

Phoenix I.D.: CN59822

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2-Chlorophenol	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
2-Methylnaphthalene	970	280	ug/Kg	1	03/16/23	AW	SW8270D
2-Methylphenol (o-cresol)	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
2-Nitroaniline	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
2-Nitrophenol	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
3,3'-Dichlorobenzidine	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
3-Nitroaniline	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
4,6-Dinitro-2-methylphenol	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
4-Bromophenyl phenyl ether	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
4-Chloro-3-methylphenol	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
4-Chloroaniline	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
4-Chlorophenyl phenyl ether	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
4-Nitroaniline	ND	640	ug/Kg	1	03/16/23	AW	SW8270D
4-Nitrophenol	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Acenaphthene	450	280	ug/Kg	1	03/16/23	AW	SW8270D
Acenaphthylene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Acetophenone	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Aniline	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
Anthracene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Benz(a)anthracene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Benzidine	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Benzo(a)pyrene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Benzo(b)fluoranthene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Benzo(ghi)perylene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Benzo(k)fluoranthene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Benzoic acid	ND	800	ug/Kg	1	03/16/23	AW	SW8270D
Benzyl butyl phthalate	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Bis(2-chloroethoxy)methane	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Bis(2-chloroethyl)ether	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
Bis(2-ethylhexyl)phthalate	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
Carbazole	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
Chrysene	510	280	ug/Kg	1	03/16/23	AW	SW8270D
Dibenz(a,h)anthracene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Dibenzofuran	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Diethyl phthalate	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Dimethylphthalate	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Di-n-butylphthalate	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
Di-n-octylphthalate	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Fluoranthene	310	280	ug/Kg	1	03/16/23	AW	SW8270D
Fluorene	510	280	ug/Kg	1	03/16/23	AW	SW8270D
Hexachlorobenzene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Hexachlorobutadiene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Hexachlorocyclopentadiene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Hexachloroethane	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Indeno(1,2,3-cd)pyrene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Isophorone	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Naphthalene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Nitrobenzene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D

Project ID: JPL-SANDRESPC
Client ID: SB-09 COMP

Phoenix I.D.: CN59822

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
N-Nitrosodimethylamine	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
N-Nitrosodi-n-propylamine	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
N-Nitrosodiphenylamine	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
Pentachloronitrobenzene	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
Pentachlorophenol	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
Phenanthrene	1700	280	ug/Kg	1	03/16/23	AW	SW8270D
Phenol	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Pyrene	660	280	ug/Kg	1	03/16/23	AW	SW8270D
Pyridine	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	68		%	1	03/16/23	AW	30 - 130 %
% 2-Fluorobiphenyl	57		%	1	03/16/23	AW	30 - 130 %
% 2-Fluorophenol	49		%	1	03/16/23	AW	30 - 130 %
% Nitrobenzene-d5	55		%	1	03/16/23	AW	30 - 130 %
% Phenol-d5	51		%	1	03/16/23	AW	30 - 130 %
% Terphenyl-d14	60		%	1	03/16/23	AW	30 - 130 %

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:

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.

The GRO (C6-C10) is quantitated using an gasoline standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

Paint Filter Test:
Pass = no free liquids were detected. Fail = free liquids were detected.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide. This method is no longer listed in the current version of SW-846.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Sulfide. This method is no longer listed in the current version of SW-846.

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the GRO/VPH soil data as biased low.

Hexavalent Chromium:
This sample is in a reducing state.

GRO Analysis Comment:
The chromatogram indicated a pattern that was mainly greater than C10, the GRO concentration does not reflect the total amount of petroleum present in the sample.

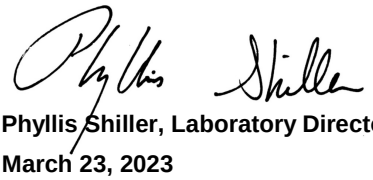
GRO diluted run
Elevated reporting limits for GRO due to the presence of target and/or non-target compounds.

GRO Analysis Comment:
This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

TPH Comment:
**Petroleum hydrocarbon chromatogram most closely resembles a mix of diesel fuel and motor oil The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

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

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



Phyllis Shiller, Laboratory Director
March 23, 2023
Reviewed and Released by: Sarah Bell, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 23, 2023

FOR: Attn: Michael Gianco
GIANCO Environmental Services
35 Pinelawn Rd Ste 214E
Melvill, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/14/23	12:00
Location Code:	GIANCO	Received by:	SR1	03/15/23	11:20
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN59813
Phoenix ID: CN59823

Project ID: JPL-SANDRESPC
Client ID: TB HL

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Field Extraction	Completed				03/14/23		SW5035A	1
Volatiles								
1,1,1,2-Tetrachloroethane	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C	
1,1,1-Trichloroethane	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C	
1,1,2-Trichloroethane	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C	
1,1-Dichloroethane	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C	
1,1-Dichloroethene	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C	
1,1-Dichloropropene	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C	
1,2,3-Trichloropropane	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C	
1,2-Dibromoethane	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C	
1,2-Dichlorobenzene	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C	
1,2-Dichloroethane	ND	25	ug/Kg	50	03/16/23	JLI	SW8260C	
1,2-Dichloropropane	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C	
1,3-Dichlorobenzene	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C	
1,3-Dichloropropane	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C	
1,4-Dichlorobenzene	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C	
2,2-Dichloropropane	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C	
2-Chlorotoluene	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C	
2-Hexanone	ND	1300	ug/Kg	50	03/16/23	JLI	SW8260C	
2-Isopropyltoluene	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C	1

Project ID: JPL-SANDRESPC
Client ID: TB HL

Phoenix I.D.: CN59823

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
4-Methyl-2-pentanone	ND	1300	ug/Kg	50	03/16/23	JLI	SW8260C
Acetone	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
Acrylonitrile	ND	500	ug/Kg	50	03/16/23	JLI	SW8260C
Benzene	ND	60	ug/Kg	50	03/16/23	JLI	SW8260C
Bromobenzene	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
Bromochloromethane	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
Bromodichloromethane	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
Bromoform	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
Bromomethane	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
Carbon Disulfide	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
Carbon tetrachloride	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
Chlorobenzene	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
Chloroethane	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
Chloroform	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
Chloromethane	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
cis-1,2-Dichloroethene	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
cis-1,3-Dichloropropene	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
Dibromochloromethane	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
Dibromomethane	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
Dichlorodifluoromethane	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
Ethylbenzene	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
Hexachlorobutadiene	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
Isopropylbenzene	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
m&p-Xylene	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
Methyl Ethyl Ketone	ND	120	ug/Kg	50	03/16/23	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
Methylene chloride	ND	100	ug/Kg	50	03/16/23	JLI	SW8260C
Naphthalene	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
n-Butylbenzene	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
n-Propylbenzene	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
o-Xylene	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
p-Isopropyltoluene	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
sec-Butylbenzene	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
Styrene	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
tert-Butylbenzene	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
Tetrachloroethene	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
Tetrahydrofuran (THF)	ND	500	ug/Kg	50	03/16/23	JLI	SW8260C
Toluene	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
Total Xylenes	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
trans-1,2-Dichloroethene	ND	190	ug/Kg	50	03/16/23	JLI	SW8260C
trans-1,3-Dichloropropene	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	500	ug/Kg	50	03/16/23	JLI	SW8260C
Trichloroethene	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
Trichlorofluoromethane	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
Trichlorotrifluoroethane	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
Vinyl chloride	ND	25	ug/Kg	50	03/16/23	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4 (50x)	98		%	50	03/16/23	JLI	70 - 130 %

Project ID: JPL-SANDRESPC
Client ID: TB HL

Phoenix I.D.: CN59823

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene (50x)	99		%	50	03/16/23	JLI	70 - 130 %
% Dibromofluoromethane (50x)	91		%	50	03/16/23	JLI	70 - 130 %
% Toluene-d8 (50x)	102		%	50	03/16/23	JLI	70 - 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
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

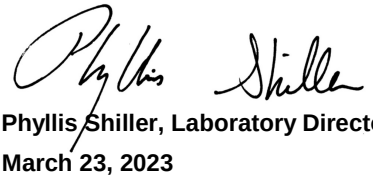
TRIP BLANK INCLUDED.

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

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
March 23, 2023
Reviewed and Released by: Sarah Bell, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 23, 2023

FOR: Attn: Michael Gianco
GIANCO Environmental Services
35 Pinelawn Rd Ste 214E
Melvill, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/14/23	9:30
Location Code:	GIANCO	Received by:	SR1	03/15/23	11:20
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN59813
Phoenix ID: CN59824

Project ID: JPL-SANDRESPC
Client ID: SB-11 GRAB (14.5-15)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Field Extraction	Completed				03/14/23		SW5035A	1
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.2	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.2	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.2	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.2	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1-Dichloroethane	ND	5.2	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1-Dichloroethene	ND	5.2	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1-Dichloropropene	ND	5.2	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.2	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.2	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.2	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.2	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.2	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dibromoethane	ND	5.2	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.2	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dichloroethane	ND	5.2	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dichloropropane	ND	5.2	ug/Kg	1	03/16/23	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.2	ug/Kg	1	03/16/23	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.2	ug/Kg	1	03/16/23	JLI	SW8260C	
1,3-Dichloropropane	ND	5.2	ug/Kg	1	03/16/23	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.2	ug/Kg	1	03/16/23	JLI	SW8260C	
2,2-Dichloropropane	ND	5.2	ug/Kg	1	03/16/23	JLI	SW8260C	
2-Chlorotoluene	ND	5.2	ug/Kg	1	03/16/23	JLI	SW8260C	
2-Hexanone	ND	26	ug/Kg	1	03/16/23	JLI	SW8260C	
2-Isopropyltoluene	ND	5.2	ug/Kg	1	03/16/23	JLI	SW8260C	1

Project ID: JPL-SANDRESPC
Client ID: SB-11 GRAB (14.5-15)

Phoenix I.D.: CN59824

Parameter	Result		RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
4-Methyl-2-pentanone	ND		26	ug/Kg	1	03/16/23	JLI	SW8260C
Acetone	53	S	26	ug/Kg	1	03/16/23	JLI	SW8260C
Acrylonitrile	ND		10	ug/Kg	1	03/16/23	JLI	SW8260C
Benzene	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
Bromobenzene	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
Bromochloromethane	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
Bromodichloromethane	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
Bromoform	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
Bromomethane	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
Carbon Disulfide	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
Carbon tetrachloride	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
Chlorobenzene	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
Chloroethane	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
Chloroform	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
Chloromethane	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
cis-1,2-Dichloroethene	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
cis-1,3-Dichloropropene	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
Dibromochloromethane	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
Dibromomethane	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
Dichlorodifluoromethane	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
Ethylbenzene	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
Hexachlorobutadiene	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
Isopropylbenzene	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
m&p-Xylene	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
Methyl Ethyl Ketone	ND		26	ug/Kg	1	03/16/23	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		10	ug/Kg	1	03/16/23	JLI	SW8260C
Methylene chloride	ND		10	ug/Kg	1	03/16/23	JLI	SW8260C
Naphthalene	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
n-Butylbenzene	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
n-Propylbenzene	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
o-Xylene	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
p-Isopropyltoluene	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
sec-Butylbenzene	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
Styrene	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
tert-Butylbenzene	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
Tetrachloroethene	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
Tetrahydrofuran (THF)	ND		10	ug/Kg	1	03/16/23	JLI	SW8260C
Toluene	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
Total Xylenes	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
trans-1,2-Dichloroethene	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
trans-1,3-Dichloropropene	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND		10	ug/Kg	1	03/16/23	JLI	SW8260C
Trichloroethene	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
Trichlorofluoromethane	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
Trichlorotrifluoroethane	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
Vinyl chloride	ND		5.2	ug/Kg	1	03/16/23	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	1	03/16/23	JLI	70 - 130 %

Project ID: JPL-SANDRESPC
Client ID: SB-11 GRAB (14.5-15)

Phoenix I.D.: CN59824

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	92		%	1	03/16/23	JLI	70 - 130 %
% Dibromofluoromethane	95		%	1	03/16/23	JLI	70 - 130 %
% Toluene-d8	94		%	1	03/16/23	JLI	70 - 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
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

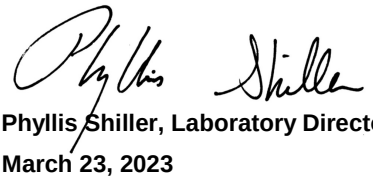
Comments:

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

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

S - Laboratory solvent, contamination is possible.

If 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

March 23, 2023

Reviewed and Released by: Sarah Bell, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 23, 2023

FOR: Attn: Michael Gianco
GIANCO Environmental Services
35 Pinelawn Rd Ste 214E
Melvill, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/14/23	9:35
Location Code:	GIANCO	Received by:	SR1	03/15/23	11:20
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN59813
Phoenix ID: CN59825

Project ID: JPL-SANDRESPC
Client ID: SB-11 COMP

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.46	0.46	mg/Kg	1	03/18/23	CPP	SW6010D
Aluminum	9390	69	mg/Kg	10	03/17/23	CPP	SW6010D
Arsenic	3.64	0.93	mg/Kg	1	03/18/23	CPP	SW6010D
Barium	34.7	0.46	mg/Kg	1	03/18/23	CPP	SW6010D
Beryllium	0.49	0.37	mg/Kg	1	03/18/23	CPP	SW6010D
Calcium	2030	6.9	mg/Kg	1	03/18/23	CPP	SW6010D
Cadmium	1.02	0.46	mg/Kg	1	03/18/23	CPP	SW6010D
Cobalt	8.32	0.46	mg/Kg	1	03/18/23	CPP	SW6010D
Chromium	18.0	0.46	mg/Kg	1	03/18/23	CPP	SW6010D
Copper	14.7	0.9	mg/kg	1	03/18/23	CPP	SW6010D
Iron	19800	69	mg/Kg	10	03/17/23	CPP	SW6010D
Mercury	< 0.03	0.03	mg/Kg	2	03/16/23	PM	SW7471B
Potassium	1680	69	mg/Kg	10	03/17/23	CPP	SW6010D
Magnesium	4180	6.9	mg/Kg	1	03/18/23	CPP	SW6010D
Manganese	263	4.6	mg/Kg	10	03/17/23	CPP	SW6010D
Sodium	157	6.9	mg/Kg	1	03/18/23	CPP	SW6010D
Nickel	18.9	0.46	mg/Kg	1	03/18/23	CPP	SW6010D
Lead	9.61	0.46	mg/Kg	1	03/18/23	CPP	SW6010D
Antimony	< 4.6	4.6	mg/Kg	1	03/18/23	CPP	SW6010D
Selenium	< 1.9	1.9	mg/Kg	1	03/18/23	CPP	SW6010D
TCLP Silver	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Aluminum	< 1.0	1.0	mg/L	1	03/16/23	CPP	SW6010D
TCLP Arsenic	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Barium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Beryllium	< 0.040	0.040	mg/L	1	03/16/23	CPP	SW6010D
TCLP Calcium	13.5	0.10	mg/L	1	03/16/23	CPP	SW6010D
TCLP Cadmium	< 0.050	0.050	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Cobalt	< 1.0	1.0	mg/L	1	03/16/23	CPP	SW6010D

Ver 2

Project ID: JPL-SANDRESPC
Client ID: SB-11 COMP

Phoenix I.D.: CN59825

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
TCLP Chromium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Copper	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Iron	0.85	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	03/16/23	AL1	SW846 1311/7470	
TCLP Magnesium	3.00	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Manganese	0.59	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Nickel	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Lead	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Antimony	< 0.060	0.060	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Selenium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010D	
TCLP Thallium	< 0.050	0.050	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Vanadium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Zinc	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010D	
Thallium	< 4.2	4.2	mg/Kg	1	03/18/23	CPP	SW6010D	
TCLP Metals Digestion	Completed				03/16/23	W/W	SW3010A	
Vanadium	23.0	0.46	mg/Kg	1	03/18/23	CPP	SW6010D	
Zinc	54.3	0.9	mg/Kg	1	03/18/23	CPP	SW6010D	
Percent Solid	74		%		03/15/23	AL	SW846-%Solid	
Corrosivity	Negative		Pos/Neg	1	03/15/23	MW	SW846-Corr	1
Flash Point	>200	200	Degree F	1	03/17/23	G	SW1010B	
Chromium, Hex. (SW3060A digestion	< 0.50	0.50	mg/Kg	1	03/16/23	DK	SW7196A	
Ignitability	Passed	140	degree F	1	03/17/23	G	SW846-Ignit	1
pH at 25C - Soil	7.88	1.00	pH Units	1	03/15/23 21:48	MW	SW846 9045D	1
Reactivity Cyanide	< 7	7	mg/Kg	1	03/17/23	DK/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20	mg/Kg	1	03/17/23	DK/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	03/17/23	DK/GD	SW846-React	1
Redox Potential	-156		mV	1	03/15/23	MW	SM2580B-09	1
Mercury Digestion	Completed				03/16/23	W/W	SW7471B	
Extraction of NY ETPH	Completed				03/15/23	B/P/M	SW3546	
Soil Extraction for Herbicide	Completed				03/15/23	J/D	SW3546	
Soil Extraction for PCB	Completed				03/15/23	P/B/F	SW3546	
Soil Extraction for SVOA	Completed				03/15/23	B/F	SW3546	
Paint Filter Test	Passed		PASS/FAIL		03/15/23	O	SW9095B	
TCLP Digestion Mercury	Completed				03/16/23	W/W	SW7470A	
TCLP Extraction for Metals	Completed				03/15/23	W	SW1311	
Total Metals Digest	Completed				03/15/23	J/AG	SW3050B	
Gasoline Range Hydrocarbons (C6-C10)								
GRO (C6-C10)	ND	L 8.4	mg/Kg	50	03/16/23	V	SW8015D GRO	
QA/QC Surrogates								
% 2,5-Dibromotoluene (FID)	101		%	50	03/16/23	V	70 - 130 %	
Chlorinated Herbicides								
2,4,5-T	ND	170	ug/Kg	10	03/16/23	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	170	ug/Kg	10	03/16/23	JRB	SW8151A	
2,4-D	ND	340	ug/Kg	10	03/16/23	JRB	SW8151A	
2,4-DB	ND	3400	ug/Kg	10	03/16/23	JRB	SW8151A	
Dalapon	ND	170	ug/Kg	10	03/16/23	JRB	SW8151A	
Dicamba	ND	170	ug/Kg	10	03/16/23	JRB	SW8151A	

Project ID: JPL-SANDRESPC
Client ID: SB-11 COMP

Phoenix I.D.: CN59825

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Dichloroprop	ND	340	ug/Kg	10	03/16/23	JRB	SW8151A	
Dinoseb	ND	340	ug/Kg	10	03/16/23	JRB	SW8151A	
QA/QC Surrogates								
% DCAA	90		%	10	03/16/23	JRB	30 - 150 %	
% DCAA (Confirmation)	123		%	10	03/16/23	JRB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	87	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1221	ND	87	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1232	ND	87	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1242	ND	87	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1248	ND	87	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1254	ND	87	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1260	ND	87	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1262	ND	87	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1268	ND	87	ug/Kg	2	03/16/23	SC	SW8082A	
QA/QC Surrogates								
% DCBP	86		%	2	03/16/23	SC	30 - 150 %	
% DCBP (Confirmation)	82		%	2	03/16/23	SC	30 - 150 %	
% TCMX	82		%	2	03/16/23	SC	30 - 150 %	
% TCMX (Confirmation)	88		%	2	03/16/23	SC	30 - 150 %	
TPH by GC (Extractable (C9-C36))								
Fuel Oil #2 / Diesel Fuel	ND	66	mg/kg	1	03/16/23	JRB	SW8015D DRO	1
Fuel Oil #4	ND	66	mg/kg	1	03/16/23	JRB	SW8015D DRO	1
Fuel Oil #6	ND	66	mg/kg	1	03/16/23	JRB	SW8015D DRO	1
Kerosene	ND	66	mg/kg	1	03/16/23	JRB	SW8015D DRO	1
Motor Oil	ND	66	mg/kg	1	03/16/23	JRB	SW8015D DRO	1
Total TPH	ND	66	mg/kg	1	03/16/23	JRB	SW8015D DRO	1
Unidentified	ND	66	mg/kg	1	03/16/23	JRB	SW8015D DRO	1
QA/QC Surrogates								
% COD (surr)	54		%	1	03/16/23	JRB	50 - 150 %	
% Terphenyl (surr)	55		%	1	03/16/23	JRB	50 - 150 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	310	ug/Kg	1	03/16/23	AW	SW8270D	
1,2,4-Trichlorobenzene	ND	310	ug/Kg	1	03/16/23	AW	SW8270D	
1,2-Dichlorobenzene	ND	310	ug/Kg	1	03/16/23	AW	SW8270D	
1,2-Diphenylhydrazine	ND	440	ug/Kg	1	03/16/23	AW	SW8270D	
1,3-Dichlorobenzene	ND	310	ug/Kg	1	03/16/23	AW	SW8270D	
1,4-Dichlorobenzene	ND	310	ug/Kg	1	03/16/23	AW	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	310	ug/Kg	1	03/16/23	AW	SW8270D	1
2,4,5-Trichlorophenol	ND	310	ug/Kg	1	03/16/23	AW	SW8270D	
2,4,6-Trichlorophenol	ND	310	ug/Kg	1	03/16/23	AW	SW8270D	
2,4-Dichlorophenol	ND	310	ug/Kg	1	03/16/23	AW	SW8270D	
2,4-Dimethylphenol	ND	310	ug/Kg	1	03/16/23	AW	SW8270D	
2,4-Dinitrophenol	ND	440	ug/Kg	1	03/16/23	AW	SW8270D	
2,4-Dinitrotoluene	ND	310	ug/Kg	1	03/16/23	AW	SW8270D	
2,6-Dinitrotoluene	ND	310	ug/Kg	1	03/16/23	AW	SW8270D	
2-Chloronaphthalene	ND	310	ug/Kg	1	03/16/23	AW	SW8270D	

Project ID: JPL-SANDRESPC
Client ID: SB-11 COMP

Phoenix I.D.: CN59825

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2-Chlorophenol	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
2-Methylnaphthalene	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
2-Methylphenol (o-cresol)	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
2-Nitroaniline	ND	440	ug/Kg	1	03/16/23	AW	SW8270D
2-Nitrophenol	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	440	ug/Kg	1	03/16/23	AW	SW8270D
3,3'-Dichlorobenzidine	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
3-Nitroaniline	ND	440	ug/Kg	1	03/16/23	AW	SW8270D
4,6-Dinitro-2-methylphenol	ND	440	ug/Kg	1	03/16/23	AW	SW8270D
4-Bromophenyl phenyl ether	ND	440	ug/Kg	1	03/16/23	AW	SW8270D
4-Chloro-3-methylphenol	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
4-Chloroaniline	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
4-Chlorophenyl phenyl ether	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
4-Nitroaniline	ND	710	ug/Kg	1	03/16/23	AW	SW8270D
4-Nitrophenol	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
Acenaphthene	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
Acenaphthylene	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
Acetophenone	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
Aniline	ND	440	ug/Kg	1	03/16/23	AW	SW8270D
Anthracene	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
Benz(a)anthracene	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
Benzidine	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
Benzo(a)pyrene	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
Benzo(b)fluoranthene	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
Benzo(ghi)perylene	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
Benzo(k)fluoranthene	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
Benzoic acid	ND	890	ug/Kg	1	03/16/23	AW	SW8270D
Benzyl butyl phthalate	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
Bis(2-chloroethoxy)methane	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
Bis(2-chloroethyl)ether	ND	440	ug/Kg	1	03/16/23	AW	SW8270D
Bis(2-ethylhexyl)phthalate	ND	440	ug/Kg	1	03/16/23	AW	SW8270D
Carbazole	ND	440	ug/Kg	1	03/16/23	AW	SW8270D
Chrysene	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
Dibenz(a,h)anthracene	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
Dibenzofuran	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
Diethyl phthalate	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
Dimethylphthalate	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
Di-n-butylphthalate	ND	440	ug/Kg	1	03/16/23	AW	SW8270D
Di-n-octylphthalate	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
Fluoranthene	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
Fluorene	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
Hexachlorobenzene	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
Hexachlorobutadiene	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
Hexachlorocyclopentadiene	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
Hexachloroethane	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
Indeno(1,2,3-cd)pyrene	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
Isophorone	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
Naphthalene	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
Nitrobenzene	ND	310	ug/Kg	1	03/16/23	AW	SW8270D

Project ID: JPL-SANDRESPC
Client ID: SB-11 COMP

Phoenix I.D.: CN59825

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
N-Nitrosodimethylamine	ND	440	ug/Kg	1	03/16/23	AW	SW8270D
N-Nitrosodi-n-propylamine	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
N-Nitrosodiphenylamine	ND	440	ug/Kg	1	03/16/23	AW	SW8270D
Pentachloronitrobenzene	ND	440	ug/Kg	1	03/16/23	AW	SW8270D
Pentachlorophenol	ND	440	ug/Kg	1	03/16/23	AW	SW8270D
Phenanthrene	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
Phenol	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
Pyrene	ND	310	ug/Kg	1	03/16/23	AW	SW8270D
Pyridine	ND	440	ug/Kg	1	03/16/23	AW	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	90		%	1	03/16/23	AW	30 - 130 %
% 2-Fluorobiphenyl	67		%	1	03/16/23	AW	30 - 130 %
% 2-Fluorophenol	60		%	1	03/16/23	AW	30 - 130 %
% Nitrobenzene-d5	67		%	1	03/16/23	AW	30 - 130 %
% Phenol-d5	64		%	1	03/16/23	AW	30 - 130 %
% Terphenyl-d14	58		%	1	03/16/23	AW	30 - 130 %

Project ID: JPL-SANDRESPC
Client ID: SB-11 COMP

Phoenix I.D.: CN59825

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:

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.

The GRO (C6-C10) is quantitated using an gasoline standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

Paint Filter Test:
Pass = no free liquids were detected. Fail = free liquids were detected.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide. This method is no longer listed in the current version of SW-846.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Sulfide. This method is no longer listed in the current version of SW-846.

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the GRO/VPH soil data as biased low.

GRO Analysis Comment:
This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

Hexavalent Chromium:
This sample is in a reducing state.

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
March 23, 2023
Reviewed and Released by: Sarah Bell, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 23, 2023

FOR: Attn: Michael Gianco
GIANCO Environmental Services
35 Pinelawn Rd Ste 214E
Melvill, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/14/23	11:00
Location Code:	GIANCO	Received by:	SR1	03/15/23	11:20
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN59813
Phoenix ID: CN59826

Project ID: JPL-SANDRESPC
Client ID: SB-13 GRAB (7.5-8)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Field Extraction	Completed				03/14/23		SW5035A	1
Volatiles								
1,1,1,2-Tetrachloroethane	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1,1-Trichloroethane	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1,2-Trichloroethane	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1-Dichloroethane	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1-Dichloroethene	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1-Dichloropropene	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,3-Trichloropropane	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dibromoethane	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dichlorobenzene	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dichloroethane	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dichloropropane	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,3-Dichlorobenzene	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,3-Dichloropropane	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,4-Dichlorobenzene	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C	
2,2-Dichloropropane	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C	
2-Chlorotoluene	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C	
2-Hexanone	ND	34	ug/Kg	1	03/16/23	JLI	SW8260C	
2-Isopropyltoluene	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C	1

Project ID: JPL-SANDRESPC
Client ID: SB-13 GRAB (7.5-8)

Phoenix I.D.: CN59826

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
4-Methyl-2-pentanone	ND	34	ug/Kg	1	03/16/23	JLI	SW8260C
Acetone	ND	34	ug/Kg	1	03/16/23	JLI	SW8260C
Acrylonitrile	ND	13	ug/Kg	1	03/16/23	JLI	SW8260C
Benzene	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
Bromobenzene	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
Bromochloromethane	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
Bromodichloromethane	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
Bromoform	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
Bromomethane	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
Carbon Disulfide	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
Carbon tetrachloride	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
Chlorobenzene	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
Chloroethane	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
Chloroform	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
Chloromethane	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
cis-1,3-Dichloropropene	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
Dibromochloromethane	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
Dibromomethane	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
Dichlorodifluoromethane	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
Ethylbenzene	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
Hexachlorobutadiene	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
Isopropylbenzene	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
m&p-Xylene	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
Methyl Ethyl Ketone	ND	34	ug/Kg	1	03/16/23	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	13	ug/Kg	1	03/16/23	JLI	SW8260C
Methylene chloride	ND	13	ug/Kg	1	03/16/23	JLI	SW8260C
Naphthalene	2800	580	ug/Kg	50	03/16/23	JLI	SW8260C
n-Butylbenzene	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
n-Propylbenzene	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
o-Xylene	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
p-Isopropyltoluene	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
sec-Butylbenzene	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
Styrene	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
tert-Butylbenzene	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
Tetrachloroethene	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
Tetrahydrofuran (THF)	ND	13	ug/Kg	1	03/16/23	JLI	SW8260C
Toluene	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
Total Xylenes	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	13	ug/Kg	1	03/16/23	JLI	SW8260C
Trichloroethene	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
Trichlorofluoromethane	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
Trichlorotrifluoroethane	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
Vinyl chloride	ND	6.7	ug/Kg	1	03/16/23	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	1	03/16/23	JLI	70 - 130 %

Project ID: JPL-SANDRESPC
Client ID: SB-13 GRAB (7.5-8)

Phoenix I.D.: CN59826

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	91		%	1	03/16/23	JLI	70 - 130 %
% Dibromofluoromethane	79		%	1	03/16/23	JLI	70 - 130 %
% Toluene-d8	93		%	1	03/16/23	JLI	70 - 130 %
% 1,2-dichlorobenzene-d4 (50x)	98		%	50	03/16/23	JLI	70 - 130 %
% Bromofluorobenzene (50x)	96		%	50	03/16/23	JLI	70 - 130 %
% Dibromofluoromethane (50x)	91		%	50	03/16/23	JLI	70 - 130 %
% Toluene-d8 (50x)	95		%	50	03/16/23	JLI	70 - 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.

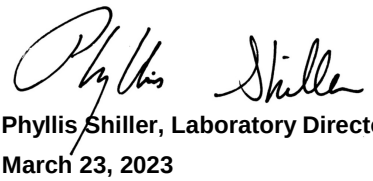
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed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

Comments:

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

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

If 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
March 23, 2023
Reviewed and Released by: Sarah Bell, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 23, 2023

FOR: Attn: Michael Gianco
GIANCO Environmental Services
35 Pinelawn Rd Ste 214E
Melvill, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/14/23	11:05
Location Code:	GIANCO	Received by:	SR1	03/15/23	11:20
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN59813
Phoenix ID: CN59827

Project ID: JPL-SANDRESPC
Client ID: SB-13 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.37	0.37	mg/Kg	1	03/18/23	CPP	SW6010D
Aluminum	6200	56	mg/Kg	10	03/17/23	CPP	SW6010D
Arsenic	2.27	0.74	mg/Kg	1	03/18/23	CPP	SW6010D
Barium	68.0	0.37	mg/Kg	1	03/18/23	CPP	SW6010D
Beryllium	0.35	0.30	mg/Kg	1	03/18/23	CPP	SW6010D
Calcium	20100	56	mg/Kg	10	03/17/23	CPP	SW6010D
Cadmium	0.67	0.37	mg/Kg	1	03/18/23	CPP	SW6010D
Cobalt	6.49	0.37	mg/Kg	1	03/18/23	CPP	SW6010D
Chromium	15.8	0.37	mg/Kg	1	03/18/23	CPP	SW6010D
Copper	30.3	0.7	mg/kg	1	03/18/23	CPP	SW6010D
Iron	12300	56	mg/Kg	10	03/17/23	CPP	SW6010D
Mercury	0.15	0.03	mg/Kg	2	03/16/23	PM	SW7471B
Potassium	1570	56	mg/Kg	10	03/17/23	CPP	SW6010D
Magnesium	3630	5.6	mg/Kg	1	03/18/23	CPP	SW6010D
Manganese	266	3.7	mg/Kg	10	03/17/23	CPP	SW6010D
Sodium	529	5.6	mg/Kg	1	03/18/23	CPP	SW6010D
Nickel	19.1	0.37	mg/Kg	1	03/18/23	CPP	SW6010D
Lead	56.3	0.37	mg/Kg	1	03/18/23	CPP	SW6010D
Antimony	< 3.7	3.7	mg/Kg	1	03/18/23	CPP	SW6010D
Selenium	< 1.5	1.5	mg/Kg	1	03/18/23	CPP	SW6010D
TCLP Silver	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Aluminum	< 1.0	1.0	mg/L	1	03/16/23	CPP	SW6010D
TCLP Arsenic	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Barium	0.38	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Beryllium	< 0.040	0.040	mg/L	1	03/16/23	CPP	SW6010D
TCLP Calcium	479	0.10	mg/L	1	03/16/23	CPP	SW6010D
TCLP Cadmium	< 0.050	0.050	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Cobalt	< 1.0	1.0	mg/L	1	03/16/23	CPP	SW6010D

Project ID: JPL-SANDRESPC
Client ID: SB-13 COMPOSITE

Phoenix I.D.: CN59827

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
TCLP Chromium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Copper	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Iron	0.25	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	03/16/23	AL1	SW846 1311/7470	
TCLP Magnesium	27.4	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Manganese	1.08	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Nickel	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Lead	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Antimony	< 0.060	0.060	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Selenium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010D	
TCLP Thallium	< 0.050	0.050	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Vanadium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Zinc	0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010D	
Thallium	< 3.3	3.3	mg/Kg	1	03/18/23	CPP	SW6010D	
TCLP Metals Digestion	Completed				03/16/23	W/W	SW3010A	
Vanadium	21.6	0.37	mg/Kg	1	03/18/23	CPP	SW6010D	
Zinc	52.9	0.7	mg/Kg	1	03/18/23	CPP	SW6010D	
Percent Solid	91		%		03/15/23	AL	SW846-%Solid	
Corrosivity	Negative		Pos/Neg	1	03/15/23	MW	SW846-Corr	1
Flash Point	>200	200	Degree F	1	03/17/23	G	SW1010B	
Chromium, Hex. (SW3060A digestion	< 0.43	0.43	mg/Kg	1	03/18/23	DK	SW7196A	
Ignitability	Passed	140	degree F	1	03/17/23	G	SW846-Ignit	1
pH at 25C - Soil	11.9	1.00	pH Units	1	03/15/23 21:48	MW	SW846 9045D	1
Reactivity Cyanide	< 5	5	mg/Kg	1	03/17/23	DK/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20	mg/Kg	1	03/17/23	DK/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	03/17/23	DK/GD	SW846-React	1
Redox Potential	-48.1		mV	1	03/15/23	MW	SM2580B-09	1
Mercury Digestion	Completed				03/16/23	W/W	SW7471B	
Extraction of NY ETPH	Completed				03/15/23	B/P/M	SW3546	
Soil Extraction for Herbicide	Completed				03/15/23	J/D	SW3546	
Soil Extraction for PCB	Completed				03/15/23	P/B/F	SW3546	
Soil Extraction for SVOA	Completed				03/15/23	B/F	SW3546	
Paint Filter Test	Passed		PASS/FAIL		03/15/23	O	SW9095B	
TCLP Digestion Mercury	Completed				03/16/23	W/W	SW7470A	
TCLP Extraction for Metals	Completed				03/15/23	W	SW1311	
Total Metals Digest	Completed				03/15/23	J/AG	SW3050B	
Gasoline Range Hydrocarbons (C6-C10)								
GRO (C6-C10)	ND	L 6.1	mg/Kg	50	03/16/23	V	SW8015D GRO	
QA/QC Surrogates								
% 2,5-Dibromotoluene (FID)	89		%	50	03/16/23	V	70 - 130 %	
Chlorinated Herbicides								
2,4,5-T	ND	140	ug/Kg	10	03/16/23	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	140	ug/Kg	10	03/16/23	JRB	SW8151A	
2,4-D	ND	270	ug/Kg	10	03/16/23	JRB	SW8151A	
2,4-DB	ND	2700	ug/Kg	10	03/16/23	JRB	SW8151A	
Dalapon	ND	140	ug/Kg	10	03/16/23	JRB	SW8151A	
Dicamba	ND	140	ug/Kg	10	03/16/23	JRB	SW8151A	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Dichloroprop	ND	270	ug/Kg	10	03/16/23	JRB	SW8151A	
Dinoseb	ND	270	ug/Kg	10	03/16/23	JRB	SW8151A	
QA/QC Surrogates								
% DCAA	89		%	10	03/16/23	JRB	30 - 150 %	
% DCAA (Confirmation)	120		%	10	03/16/23	JRB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	72	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1221	ND	72	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1232	ND	72	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1242	ND	72	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1248	ND	72	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1254	ND	72	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1260	ND	72	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1262	ND	72	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1268	ND	72	ug/Kg	2	03/16/23	SC	SW8082A	
QA/QC Surrogates								
% DCBP	77		%	2	03/16/23	SC	30 - 150 %	
% DCBP (Confirmation)	73		%	2	03/16/23	SC	30 - 150 %	
% TCMX	76		%	2	03/16/23	SC	30 - 150 %	
% TCMX (Confirmation)	80		%	2	03/16/23	SC	30 - 150 %	
TPH by GC (Extractable (C9-C36))								
Fuel Oil #2 / Diesel Fuel	ND	270	mg/kg	5	03/16/23	JRB	SW8015D DRO	1
Fuel Oil #4	ND	270	mg/kg	5	03/16/23	JRB	SW8015D DRO	1
Fuel Oil #6	ND	270	mg/kg	5	03/16/23	JRB	SW8015D DRO	1
Kerosene	ND	270	mg/kg	5	03/16/23	JRB	SW8015D DRO	1
Motor Oil	ND	270	mg/kg	5	03/16/23	JRB	SW8015D DRO	1
Total TPH	470	270	mg/kg	5	03/16/23	JRB	SW8015D DRO	1
Unidentified	**	270	mg/kg	5	03/16/23	JRB	SW8015D DRO	1
QA/QC Surrogates								
% COD (surr)	78		%	5	03/16/23	JRB	50 - 150 %	
% Terphenyl (surr)	91		%	5	03/16/23	JRB	50 - 150 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	1	03/16/23	KCA	SW8270D	
1,2,4-Trichlorobenzene	ND	250	ug/Kg	1	03/16/23	KCA	SW8270D	
1,2-Dichlorobenzene	ND	250	ug/Kg	1	03/16/23	KCA	SW8270D	
1,2-Diphenylhydrazine	ND	360	ug/Kg	1	03/16/23	KCA	SW8270D	
1,3-Dichlorobenzene	ND	250	ug/Kg	1	03/16/23	KCA	SW8270D	
1,4-Dichlorobenzene	ND	250	ug/Kg	1	03/16/23	KCA	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	250	ug/Kg	1	03/16/23	KCA	SW8270D	1
2,4,5-Trichlorophenol	ND	250	ug/Kg	1	03/16/23	KCA	SW8270D	
2,4,6-Trichlorophenol	ND	250	ug/Kg	1	03/16/23	KCA	SW8270D	
2,4-Dichlorophenol	ND	250	ug/Kg	1	03/16/23	KCA	SW8270D	
2,4-Dimethylphenol	ND	250	ug/Kg	1	03/16/23	KCA	SW8270D	
2,4-Dinitrophenol	ND	360	ug/Kg	1	03/16/23	KCA	SW8270D	
2,4-Dinitrotoluene	ND	250	ug/Kg	1	03/16/23	KCA	SW8270D	
2,6-Dinitrotoluene	ND	250	ug/Kg	1	03/16/23	KCA	SW8270D	
2-Chloronaphthalene	ND	250	ug/Kg	1	03/16/23	KCA	SW8270D	

Project ID: JPL-SANDRESPC
Client ID: SB-13 COMPOSITE

Phoenix I.D.: CN59827

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2-Chlorophenol	ND	250	ug/Kg	1	03/16/23	KCA	SW8270D
2-Methylnaphthalene	270	250	ug/Kg	1	03/16/23	KCA	SW8270D
2-Methylphenol (o-cresol)	ND	250	ug/Kg	1	03/16/23	KCA	SW8270D
2-Nitroaniline	ND	360	ug/Kg	1	03/16/23	KCA	SW8270D
2-Nitrophenol	ND	250	ug/Kg	1	03/16/23	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	360	ug/Kg	1	03/16/23	KCA	SW8270D
3,3'-Dichlorobenzidine	ND	250	ug/Kg	1	03/16/23	KCA	SW8270D
3-Nitroaniline	ND	360	ug/Kg	1	03/16/23	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	360	ug/Kg	1	03/16/23	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	360	ug/Kg	1	03/16/23	KCA	SW8270D
4-Chloro-3-methylphenol	ND	250	ug/Kg	1	03/16/23	KCA	SW8270D
4-Chloroaniline	ND	250	ug/Kg	1	03/16/23	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	1	03/16/23	KCA	SW8270D
4-Nitroaniline	ND	580	ug/Kg	1	03/16/23	KCA	SW8270D
4-Nitrophenol	ND	250	ug/Kg	1	03/16/23	KCA	SW8270D
Acenaphthene	1200	250	ug/Kg	1	03/16/23	KCA	SW8270D
Acenaphthylene	480	250	ug/Kg	1	03/16/23	KCA	SW8270D
Acetophenone	ND	250	ug/Kg	1	03/16/23	KCA	SW8270D
Aniline	ND	360	ug/Kg	1	03/16/23	KCA	SW8270D
Anthracene	3000	250	ug/Kg	1	03/16/23	KCA	SW8270D
Benz(a)anthracene	8100	2500	ug/Kg	10	03/16/23	KCA	SW8270D
Benzidine	ND	250	ug/Kg	1	03/16/23	KCA	SW8270D
Benzo(a)pyrene	7700	2500	ug/Kg	10	03/16/23	KCA	SW8270D
Benzo(b)fluoranthene	9900	2500	ug/Kg	10	03/16/23	KCA	SW8270D
Benzo(ghi)perylene	4700	250	ug/Kg	1	03/16/23	KCA	SW8270D
Benzo(k)fluoranthene	2700	250	ug/Kg	1	03/16/23	KCA	SW8270D
Benzoic acid	ND	720	ug/Kg	1	03/16/23	KCA	SW8270D
Benzyl butyl phthalate	ND	250	ug/Kg	1	03/16/23	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	1	03/16/23	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	360	ug/Kg	1	03/16/23	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	360	ug/Kg	1	03/16/23	KCA	SW8270D
Carbazole	1100	360	ug/Kg	1	03/16/23	KCA	SW8270D
Chrysene	7000	250	ug/Kg	1	03/16/23	KCA	SW8270D
Dibenz(a,h)anthracene	1300	250	ug/Kg	1	03/16/23	KCA	SW8270D
Dibenzofuran	760	250	ug/Kg	1	03/16/23	KCA	SW8270D
Diethyl phthalate	ND	250	ug/Kg	1	03/16/23	KCA	SW8270D
Dimethylphthalate	ND	250	ug/Kg	1	03/16/23	KCA	SW8270D
Di-n-butylphthalate	ND	360	ug/Kg	1	03/16/23	KCA	SW8270D
Di-n-octylphthalate	ND	250	ug/Kg	1	03/16/23	KCA	SW8270D
Fluoranthene	16000	2500	ug/Kg	10	03/16/23	KCA	SW8270D
Fluorene	1300	250	ug/Kg	1	03/16/23	KCA	SW8270D
Hexachlorobenzene	ND	250	ug/Kg	1	03/16/23	KCA	SW8270D
Hexachlorobutadiene	ND	250	ug/Kg	1	03/16/23	KCA	SW8270D
Hexachlorocyclopentadiene	ND	250	ug/Kg	1	03/16/23	KCA	SW8270D
Hexachloroethane	ND	250	ug/Kg	1	03/16/23	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	5000	250	ug/Kg	1	03/16/23	KCA	SW8270D
Isophorone	ND	250	ug/Kg	1	03/16/23	KCA	SW8270D
Naphthalene	340	250	ug/Kg	1	03/16/23	KCA	SW8270D
Nitrobenzene	ND	250	ug/Kg	1	03/16/23	KCA	SW8270D

Project ID: JPL-SANDRESPC
Client ID: SB-13 COMPOSITE

Phoenix I.D.: CN59827

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
N-Nitrosodimethylamine	ND	360	ug/Kg	1	03/16/23	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	1	03/16/23	KCA	SW8270D
N-Nitrosodiphenylamine	ND	360	ug/Kg	1	03/16/23	KCA	SW8270D
Pentachloronitrobenzene	ND	360	ug/Kg	1	03/16/23	KCA	SW8270D
Pentachlorophenol	ND	360	ug/Kg	1	03/16/23	KCA	SW8270D
Phenanthrene	10000	2500	ug/Kg	10	03/16/23	KCA	SW8270D
Phenol	ND	250	ug/Kg	1	03/16/23	KCA	SW8270D
Pyrene	14000	2500	ug/Kg	10	03/16/23	KCA	SW8270D
Pyridine	ND	360	ug/Kg	1	03/16/23	KCA	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	76		%	1	03/16/23	KCA	30 - 130 %
% 2-Fluorobiphenyl	66		%	1	03/16/23	KCA	30 - 130 %
% 2-Fluorophenol	50		%	1	03/16/23	KCA	30 - 130 %
% Nitrobenzene-d5	70		%	1	03/16/23	KCA	30 - 130 %
% Phenol-d5	64		%	1	03/16/23	KCA	30 - 130 %
% Terphenyl-d14	58		%	1	03/16/23	KCA	30 - 130 %
% 2-Fluorobiphenyl (10x)	Diluted Out		%	10	03/16/23	KCA	30 - 130 %
% Nitrobenzene-d5 (10x)	Diluted Out		%	10	03/16/23	KCA	30 - 130 %
% Terphenyl-d14 (10x)	Diluted Out		%	10	03/16/23	KCA	30 - 130 %

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:

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.

The GRO (C6-C10) is quantitated using an gasoline standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

Paint Filter Test:
Pass = no free liquids were detected. Fail = free liquids were detected.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide. This method is no longer listed in the current version of SW-846.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Sulfide. This method is no longer listed in the current version of SW-846.

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the GRO/VPH soil data as biased low.

GRO Analysis Comment:
This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

TPH Comment:
**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C19 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

Hexavalent Chromium:
This sample is in a reducing state.

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
March 23, 2023
Reviewed and Released by: Sarah Bell, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 23, 2023

FOR: Attn: Michael Gianco
GIANCO Environmental Services
35 Pinelawn Rd Ste 214E
Melvill, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/13/23	9:30
Location Code:	GIANCO	Received by:	SR1	03/15/23	11:20
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN59813
Phoenix ID: CN59828

Project ID: JPL-SANDRESPC
Client ID: SB-1 GRAB (9.5-10)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Field Extraction	Completed				03/13/23		SW5035A	1
Volatiles								
1,1,1,2-Tetrachloroethane	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C	
1,1,1-Trichloroethane	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C	
1,1,2-Trichloroethane	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C	
1,1-Dichloroethane	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C	
1,1-Dichloroethene	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C	
1,1-Dichloropropene	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C	
1,2,3-Trichloropropane	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C	
1,2-Dibromoethane	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C	
1,2-Dichlorobenzene	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C	
1,2-Dichloroethane	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C	
1,2-Dichloropropane	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C	
1,3-Dichlorobenzene	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C	
1,3-Dichloropropane	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C	
1,4-Dichlorobenzene	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C	
2,2-Dichloropropane	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C	
2-Chlorotoluene	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C	
2-Hexanone	ND	21	ug/Kg	1	03/17/23	JLI	SW8260C	
2-Isopropyltoluene	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C	1

Project ID: JPL-SANDRESPC
Client ID: SB-1 GRAB (9.5-10)

Phoenix I.D.: CN59828

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
4-Methyl-2-pentanone	ND	21	ug/Kg	1	03/17/23	JLI	SW8260C
Acetone	ND	21	ug/Kg	1	03/17/23	JLI	SW8260C
Acrylonitrile	ND	8.4	ug/Kg	1	03/17/23	JLI	SW8260C
Benzene	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
Bromobenzene	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
Bromochloromethane	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
Bromodichloromethane	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
Bromoform	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
Bromomethane	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
Carbon Disulfide	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
Carbon tetrachloride	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
Chlorobenzene	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
Chloroethane	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
Chloroform	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
Chloromethane	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
Dibromochloromethane	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
Dibromomethane	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
Dichlorodifluoromethane	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
Ethylbenzene	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
Hexachlorobutadiene	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
Isopropylbenzene	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
m&p-Xylene	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
Methyl Ethyl Ketone	ND	21	ug/Kg	1	03/17/23	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	8.4	ug/Kg	1	03/17/23	JLI	SW8260C
Methylene chloride	ND	8.4	ug/Kg	1	03/17/23	JLI	SW8260C
Naphthalene	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
n-Butylbenzene	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
n-Propylbenzene	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
o-Xylene	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
p-Isopropyltoluene	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
sec-Butylbenzene	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
Styrene	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
tert-Butylbenzene	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
Tetrachloroethene	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
Tetrahydrofuran (THF)	ND	8.4	ug/Kg	1	03/17/23	JLI	SW8260C
Toluene	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
Total Xylenes	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	8.4	ug/Kg	1	03/17/23	JLI	SW8260C
Trichloroethene	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
Trichlorofluoromethane	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
Vinyl chloride	ND	4.2	ug/Kg	1	03/17/23	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	1	03/17/23	JLI	70 - 130 %

Project ID: JPL-SANDRESPC
Client ID: SB-1 GRAB (9.5-10)

Phoenix I.D.: CN59828

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	92		%	1	03/17/23	JLI	70 - 130 %
% Dibromofluoromethane	93		%	1	03/17/23	JLI	70 - 130 %
% Toluene-d8	94		%	1	03/17/23	JLI	70 - 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.

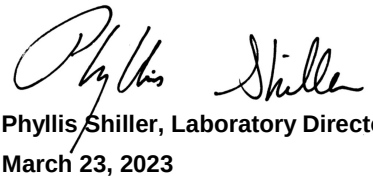
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed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

Comments:

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

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

If 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
March 23, 2023
Reviewed and Released by: Sarah Bell, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 23, 2023

FOR: Attn: Michael Gianco
GIANCO Environmental Services
35 Pinelawn Rd Ste 214E
Melvill, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/13/23	9:35
Location Code:	GIANCO	Received by:	SR1	03/15/23	11:20
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN59813
Phoenix ID: CN59829

Project ID: JPL-SANDRESPC
Client ID: SB-1 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.35	0.35	mg/Kg	1	03/18/23	CPP	SW6010D
Aluminum	14500	53	mg/Kg	10	03/17/23	CPP	SW6010D
Arsenic	4.43	0.70	mg/Kg	1	03/18/23	CPP	SW6010D
Barium	108	0.35	mg/Kg	1	03/18/23	CPP	SW6010D
Beryllium	0.94	0.28	mg/Kg	1	03/18/23	CPP	SW6010D
Calcium	30200	53	mg/Kg	10	03/17/23	CPP	SW6010D
Cadmium	1.19	0.35	mg/Kg	1	03/18/23	CPP	SW6010D
Cobalt	10.5	0.35	mg/Kg	1	03/18/23	CPP	SW6010D
Chromium	41.1	0.35	mg/Kg	1	03/18/23	CPP	SW6010D
Copper	41.4	0.7	mg/kg	1	03/18/23	CPP	SW6010D
Iron	25100	53	mg/Kg	10	03/17/23	CPP	SW6010D
Mercury	0.03	0.03	mg/Kg	2	03/16/23	PM	SW7471B
Potassium	4680	53	mg/Kg	10	03/17/23	CPP	SW6010D
Magnesium	10200	53	mg/Kg	10	03/17/23	CPP	SW6010D
Manganese	743	3.5	mg/Kg	10	03/17/23	CPP	SW6010D
Sodium	879	5.3	mg/Kg	1	03/18/23	CPP	SW6010D
Nickel	25.6	0.35	mg/Kg	1	03/18/23	CPP	SW6010D
Lead	43.9	0.35	mg/Kg	1	03/18/23	CPP	SW6010D
Antimony	< 3.5	3.5	mg/Kg	1	03/18/23	CPP	SW6010D
Selenium	< 1.4	1.4	mg/Kg	1	03/18/23	CPP	SW6010D
TCLP Silver	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Aluminum	< 1.0	1.0	mg/L	1	03/16/23	CPP	SW6010D
TCLP Arsenic	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Barium	0.35	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Beryllium	< 0.040	0.040	mg/L	1	03/16/23	CPP	SW6010D
TCLP Calcium	415	0.10	mg/L	1	03/16/23	CPP	SW6010D
TCLP Cadmium	< 0.050	0.050	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Cobalt	< 1.0	1.0	mg/L	1	03/16/23	CPP	SW6010D

Ver 2

Project ID: JPL-SANDRESPC
Client ID: SB-1 COMPOSITE

Phoenix I.D.: CN59829

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
TCLP Chromium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Copper	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Iron	0.15	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	03/16/23	AL1	SW846 1311/7470	
TCLP Magnesium	20.4	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Manganese	0.63	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Nickel	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Lead	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Antimony	< 0.060	0.060	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Selenium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010D	
TCLP Thallium	< 0.050	0.050	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Vanadium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Zinc	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010D	
Thallium	< 3.2	3.2	mg/Kg	1	03/18/23	CPP	SW6010D	
TCLP Metals Digestion	Completed				03/16/23	W/W	SW3010A	
Vanadium	47.3	0.35	mg/Kg	1	03/18/23	CPP	SW6010D	
Zinc	139	0.7	mg/Kg	1	03/18/23	CPP	SW6010D	
Percent Solid	91		%		03/15/23	AL	SW846-%Solid	
Corrosivity	Negative		Pos/Neg	1	03/15/23	PK	SW846-Corr	1
Flash Point	>200	200	Degree F	1	03/17/23	G	SW1010B	
Chromium, Hex. (SW3060A digestion	< 0.43	0.43	mg/Kg	1	03/18/23	DK	SW7196A	
Ignitability	Passed	140	degree F	1	03/17/23	G	SW846-Ignit	1
pH at 25C - Soil	11.7	1.00	pH Units	1	03/15/23 21:48	PK	SW846 9045D	1
Reactivity Cyanide	< 5	5	mg/Kg	1	03/17/23	DK/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20	mg/Kg	1	03/17/23	DK/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	03/17/23	DK/GD	SW846-React	1
Redox Potential	-34.1		mV	1	03/15/23	PK	SM2580B-09	1
Mercury Digestion	Completed				03/16/23	W/W	SW7471B	
Extraction of NY ETPH	Completed				03/15/23	B/P/M	SW3546	
Soil Extraction for Herbicide	Completed				03/15/23	J/D	SW3546	
Soil Extraction for PCB	Completed				03/15/23	P/B/F	SW3546	
Soil Extraction for SVOA	Completed				03/15/23	B/F	SW3546	
Paint Filter Test	Passed		PASS/FAIL		03/15/23	O	SW9095B	
TCLP Digestion Mercury	Completed				03/16/23	W/W	SW7470A	
TCLP Extraction for Metals	Completed				03/15/23	W	SW1311	
Total Metals Digest	Completed				03/15/23	J/AG	SW3050B	
Gasoline Range Hydrocarbons (C6-C10)								
GRO (C6-C10)	ND	L 6.0	mg/Kg	50	03/16/23	V	SW8015D GRO	
QA/QC Surrogates								
% 2,5-Dibromotoluene (FID)	87		%	50	03/16/23	V	70 - 130 %	
Chlorinated Herbicides								
2,4,5-T	ND	140	ug/Kg	10	03/16/23	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	140	ug/Kg	10	03/16/23	JRB	SW8151A	
2,4-D	ND	270	ug/Kg	10	03/16/23	JRB	SW8151A	
2,4-DB	ND	2700	ug/Kg	10	03/16/23	JRB	SW8151A	
Dalapon	ND	140	ug/Kg	10	03/16/23	JRB	SW8151A	
Dicamba	ND	140	ug/Kg	10	03/16/23	JRB	SW8151A	

Project ID: JPL-SANDRESPC
Client ID: SB-1 COMPOSITE

Phoenix I.D.: CN59829

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Dichloroprop	ND	270	ug/Kg	10	03/16/23	JRB	SW8151A	
Dinoseb	ND	270	ug/Kg	10	03/16/23	JRB	SW8151A	
QA/QC Surrogates								
% DCAA	75		%	10	03/16/23	JRB	30 - 150 %	
% DCAA (Confirmation)	98		%	10	03/16/23	JRB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	73	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1221	ND	73	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1232	ND	73	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1242	ND	73	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1248	ND	73	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1254	ND	73	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1260	ND	73	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1262	ND	73	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1268	ND	73	ug/Kg	2	03/16/23	SC	SW8082A	
QA/QC Surrogates								
% DCBP	80		%	2	03/16/23	SC	30 - 150 %	
% DCBP (Confirmation)	79		%	2	03/16/23	SC	30 - 150 %	
% TCMX	79		%	2	03/16/23	SC	30 - 150 %	
% TCMX (Confirmation)	95		%	2	03/16/23	SC	30 - 150 %	
TPH by GC (Extractable (C9-C36))								
Fuel Oil #2 / Diesel Fuel	ND	270	mg/kg	5	03/16/23	JRB	SW8015D DRO	1
Fuel Oil #4	ND	270	mg/kg	5	03/16/23	JRB	SW8015D DRO	1
Fuel Oil #6	ND	270	mg/kg	5	03/16/23	JRB	SW8015D DRO	1
Kerosene	ND	270	mg/kg	5	03/16/23	JRB	SW8015D DRO	1
Motor Oil	ND	270	mg/kg	5	03/16/23	JRB	SW8015D DRO	1
Total TPH	ND	270	mg/kg	5	03/16/23	JRB	SW8015D DRO	1
Unidentified	ND	270	mg/kg	5	03/16/23	JRB	SW8015D DRO	1
QA/QC Surrogates								
% COD (surr)	86		%	5	03/16/23	JRB	50 - 150 %	
% Terphenyl (surr)	80		%	5	03/16/23	JRB	50 - 150 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	1	03/16/23	AW	SW8270D	
1,2,4-Trichlorobenzene	ND	250	ug/Kg	1	03/16/23	AW	SW8270D	
1,2-Dichlorobenzene	ND	250	ug/Kg	1	03/16/23	AW	SW8270D	
1,2-Diphenylhydrazine	ND	360	ug/Kg	1	03/16/23	AW	SW8270D	
1,3-Dichlorobenzene	ND	250	ug/Kg	1	03/16/23	AW	SW8270D	
1,4-Dichlorobenzene	ND	250	ug/Kg	1	03/16/23	AW	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	250	ug/Kg	1	03/16/23	AW	SW8270D	1
2,4,5-Trichlorophenol	ND	250	ug/Kg	1	03/16/23	AW	SW8270D	
2,4,6-Trichlorophenol	ND	250	ug/Kg	1	03/16/23	AW	SW8270D	
2,4-Dichlorophenol	ND	250	ug/Kg	1	03/16/23	AW	SW8270D	
2,4-Dimethylphenol	ND	250	ug/Kg	1	03/16/23	AW	SW8270D	
2,4-Dinitrophenol	ND	360	ug/Kg	1	03/16/23	AW	SW8270D	
2,4-Dinitrotoluene	ND	250	ug/Kg	1	03/16/23	AW	SW8270D	
2,6-Dinitrotoluene	ND	250	ug/Kg	1	03/16/23	AW	SW8270D	
2-Chloronaphthalene	ND	250	ug/Kg	1	03/16/23	AW	SW8270D	

Project ID: JPL-SANDRESPC
Client ID: SB-1 COMPOSITE

Phoenix I.D.: CN59829

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2-Chlorophenol	ND	250	ug/Kg	1	03/16/23	AW	SW8270D
2-Methylnaphthalene	ND	250	ug/Kg	1	03/16/23	AW	SW8270D
2-Methylphenol (o-cresol)	ND	250	ug/Kg	1	03/16/23	AW	SW8270D
2-Nitroaniline	ND	360	ug/Kg	1	03/16/23	AW	SW8270D
2-Nitrophenol	ND	250	ug/Kg	1	03/16/23	AW	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	360	ug/Kg	1	03/16/23	AW	SW8270D
3,3'-Dichlorobenzidine	ND	250	ug/Kg	1	03/16/23	AW	SW8270D
3-Nitroaniline	ND	360	ug/Kg	1	03/16/23	AW	SW8270D
4,6-Dinitro-2-methylphenol	ND	360	ug/Kg	1	03/16/23	AW	SW8270D
4-Bromophenyl phenyl ether	ND	360	ug/Kg	1	03/16/23	AW	SW8270D
4-Chloro-3-methylphenol	ND	250	ug/Kg	1	03/16/23	AW	SW8270D
4-Chloroaniline	ND	250	ug/Kg	1	03/16/23	AW	SW8270D
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	1	03/16/23	AW	SW8270D
4-Nitroaniline	ND	570	ug/Kg	1	03/16/23	AW	SW8270D
4-Nitrophenol	ND	250	ug/Kg	1	03/16/23	AW	SW8270D
Acenaphthene	ND	250	ug/Kg	1	03/16/23	AW	SW8270D
Acenaphthylene	ND	250	ug/Kg	1	03/16/23	AW	SW8270D
Acetophenone	ND	250	ug/Kg	1	03/16/23	AW	SW8270D
Aniline	ND	360	ug/Kg	1	03/16/23	AW	SW8270D
Anthracene	ND	250	ug/Kg	1	03/16/23	AW	SW8270D
Benz(a)anthracene	260	250	ug/Kg	1	03/16/23	AW	SW8270D
Benzidine	ND	250	ug/Kg	1	03/16/23	AW	SW8270D
Benzo(a)pyrene	ND	250	ug/Kg	1	03/16/23	AW	SW8270D
Benzo(b)fluoranthene	260	250	ug/Kg	1	03/16/23	AW	SW8270D
Benzo(ghi)perylene	ND	250	ug/Kg	1	03/16/23	AW	SW8270D
Benzo(k)fluoranthene	ND	250	ug/Kg	1	03/16/23	AW	SW8270D
Benzoic acid	ND	710	ug/Kg	1	03/16/23	AW	SW8270D
Benzyl butyl phthalate	ND	250	ug/Kg	1	03/16/23	AW	SW8270D
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	1	03/16/23	AW	SW8270D
Bis(2-chloroethyl)ether	ND	360	ug/Kg	1	03/16/23	AW	SW8270D
Bis(2-ethylhexyl)phthalate	ND	360	ug/Kg	1	03/16/23	AW	SW8270D
Carbazole	ND	360	ug/Kg	1	03/16/23	AW	SW8270D
Chrysene	ND	250	ug/Kg	1	03/16/23	AW	SW8270D
Dibenz(a,h)anthracene	ND	250	ug/Kg	1	03/16/23	AW	SW8270D
Dibenzofuran	ND	250	ug/Kg	1	03/16/23	AW	SW8270D
Diethyl phthalate	ND	250	ug/Kg	1	03/16/23	AW	SW8270D
Dimethylphthalate	ND	250	ug/Kg	1	03/16/23	AW	SW8270D
Di-n-butylphthalate	ND	360	ug/Kg	1	03/16/23	AW	SW8270D
Di-n-octylphthalate	ND	250	ug/Kg	1	03/16/23	AW	SW8270D
Fluoranthene	540	250	ug/Kg	1	03/16/23	AW	SW8270D
Fluorene	ND	250	ug/Kg	1	03/16/23	AW	SW8270D
Hexachlorobenzene	ND	250	ug/Kg	1	03/16/23	AW	SW8270D
Hexachlorobutadiene	ND	250	ug/Kg	1	03/16/23	AW	SW8270D
Hexachlorocyclopentadiene	ND	250	ug/Kg	1	03/16/23	AW	SW8270D
Hexachloroethane	ND	250	ug/Kg	1	03/16/23	AW	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	1	03/16/23	AW	SW8270D
Isophorone	ND	250	ug/Kg	1	03/16/23	AW	SW8270D
Naphthalene	ND	250	ug/Kg	1	03/16/23	AW	SW8270D
Nitrobenzene	ND	250	ug/Kg	1	03/16/23	AW	SW8270D

Project ID: JPL-SANDRESPC
Client ID: SB-1 COMPOSITE

Phoenix I.D.: CN59829

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
N-Nitrosodimethylamine	ND	360	ug/Kg	1	03/16/23	AW	SW8270D
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	1	03/16/23	AW	SW8270D
N-Nitrosodiphenylamine	ND	360	ug/Kg	1	03/16/23	AW	SW8270D
Pentachloronitrobenzene	ND	360	ug/Kg	1	03/16/23	AW	SW8270D
Pentachlorophenol	ND	360	ug/Kg	1	03/16/23	AW	SW8270D
Phenanthrene	690	250	ug/Kg	1	03/16/23	AW	SW8270D
Phenol	500	250	ug/Kg	1	03/16/23	AW	SW8270D
Pyrene	450	250	ug/Kg	1	03/16/23	AW	SW8270D
Pyridine	ND	360	ug/Kg	1	03/16/23	AW	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	50		%	1	03/16/23	AW	30 - 130 %
% 2-Fluorobiphenyl	57		%	1	03/16/23	AW	30 - 130 %
% 2-Fluorophenol	32		%	1	03/16/23	AW	30 - 130 %
% Nitrobenzene-d5	59		%	1	03/16/23	AW	30 - 130 %
% Phenol-d5	53		%	1	03/16/23	AW	30 - 130 %
% Terphenyl-d14	54		%	1	03/16/23	AW	30 - 130 %

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:

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.

The GRO (C6-C10) is quantitated using an gasoline standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

Paint Filter Test:
Pass = no free liquids were detected. Fail = free liquids were detected.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide. This method is no longer listed in the current version of SW-846.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Sulfide. This method is no longer listed in the current version of SW-846.

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the GRO/VPH soil data as biased low.

GRO Analysis Comment:
This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

Hexavalent Chromium:
This sample is in a reducing state.

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
March 23, 2023
Reviewed and Released by: Sarah Bell, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 23, 2023

FOR: Attn: Michael Gianco
GIANCO Environmental Services
35 Pinelawn Rd Ste 214E
Melvill, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/13/23	10:15
Location Code:	GIANCO	Received by:	SR1	03/15/23	11:20
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN59813
Phoenix ID: CN59830

Project ID: JPL-SANDRESPC
Client ID: SB-2 GRAB (9.5-10)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Field Extraction	Completed				03/13/23		SW5035A	1
Volatiles								
1,1,1,2-Tetrachloroethane	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1,1-Trichloroethane	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1,2-Trichloroethane	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1-Dichloroethane	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1-Dichloroethene	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1-Dichloropropene	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,3-Trichloropropane	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dibromoethane	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dichlorobenzene	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dichloroethane	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dichloropropane	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,3-Dichlorobenzene	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,3-Dichloropropane	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C	
1,4-Dichlorobenzene	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C	
2,2-Dichloropropane	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C	
2-Chlorotoluene	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C	
2-Hexanone	ND	24	ug/Kg	1	03/16/23	JLI	SW8260C	
2-Isopropyltoluene	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C	1

Project ID: JPL-SANDRESPC
Client ID: SB-2 GRAB (9.5-10)

Phoenix I.D.: CN59830

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
4-Methyl-2-pentanone	ND	24	ug/Kg	1	03/16/23	JLI	SW8260C
Acetone	ND	24	ug/Kg	1	03/16/23	JLI	SW8260C
Acrylonitrile	ND	9.4	ug/Kg	1	03/16/23	JLI	SW8260C
Benzene	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
Bromobenzene	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
Bromochloromethane	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
Bromodichloromethane	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
Bromoform	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
Bromomethane	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
Carbon Disulfide	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
Carbon tetrachloride	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
Chlorobenzene	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
Chloroethane	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
Chloroform	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
Chloromethane	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
Dibromochloromethane	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
Dibromomethane	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
Dichlorodifluoromethane	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
Ethylbenzene	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
Hexachlorobutadiene	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
Isopropylbenzene	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
m&p-Xylene	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
Methyl Ethyl Ketone	ND	24	ug/Kg	1	03/16/23	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	9.4	ug/Kg	1	03/16/23	JLI	SW8260C
Methylene chloride	ND	9.4	ug/Kg	1	03/16/23	JLI	SW8260C
Naphthalene	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
n-Butylbenzene	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
n-Propylbenzene	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
o-Xylene	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
p-Isopropyltoluene	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
sec-Butylbenzene	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
Styrene	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
tert-Butylbenzene	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
Tetrachloroethene	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
Tetrahydrofuran (THF)	ND	9.4	ug/Kg	1	03/16/23	JLI	SW8260C
Toluene	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
Total Xylenes	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	9.4	ug/Kg	1	03/16/23	JLI	SW8260C
Trichloroethene	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
Trichlorofluoromethane	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
Vinyl chloride	ND	4.7	ug/Kg	1	03/16/23	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97		%	1	03/16/23	JLI	70 - 130 %

Project ID: JPL-SANDRESPC
Client ID: SB-2 GRAB (9.5-10)

Phoenix I.D.: CN59830

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	99		%	1	03/16/23	JLI	70 - 130 %
% Dibromofluoromethane	89		%	1	03/16/23	JLI	70 - 130 %
% Toluene-d8	100		%	1	03/16/23	JLI	70 - 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.

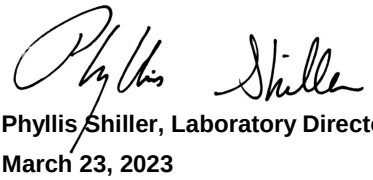
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed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

Comments:

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

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

If 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
March 23, 2023
Reviewed and Released by: Sarah Bell, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 23, 2023

FOR: Attn: Michael Gianco
GIANCO Environmental Services
35 Pinelawn Rd Ste 214E
Melvill, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/13/23	10:20
Location Code:	GIANCO	Received by:	SR1	03/15/23	11:20
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN59813
Phoenix ID: CN59831

Project ID: JPL-SANDRESPC
Client ID: SB-2 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.33	0.33	mg/Kg	1	03/18/23	CPP	SW6010D
Aluminum	6970	49	mg/Kg	10	03/17/23	CPP	SW6010D
Arsenic	1.62	0.65	mg/Kg	1	03/18/23	CPP	SW6010D
Barium	53.7	0.33	mg/Kg	1	03/18/23	CPP	SW6010D
Beryllium	0.41	0.26	mg/Kg	1	03/18/23	CPP	SW6010D
Calcium	1750	4.9	mg/Kg	1	03/18/23	CPP	SW6010D
Cadmium	0.72	0.33	mg/Kg	1	03/18/23	CPP	SW6010D
Cobalt	7.06	0.33	mg/Kg	1	03/18/23	CPP	SW6010D
Chromium	15.8	0.33	mg/Kg	1	03/18/23	CPP	SW6010D
Copper	25.7	0.7	mg/kg	1	03/18/23	CPP	SW6010D
Iron	14100	49	mg/Kg	10	03/17/23	CPP	SW6010D
Mercury	0.27	0.03	mg/Kg	2	03/16/23	PM	SW7471B
Potassium	1880	49	mg/Kg	10	03/17/23	CPP	SW6010D
Magnesium	2900	4.9	mg/Kg	1	03/18/23	CPP	SW6010D
Manganese	313	3.3	mg/Kg	10	03/17/23	CPP	SW6010D
Sodium	1530	4.9	mg/Kg	1	03/18/23	CPP	SW6010D
Nickel	17.2	0.33	mg/Kg	1	03/18/23	CPP	SW6010D
Lead	14.7	0.33	mg/Kg	1	03/18/23	CPP	SW6010D
Antimony	< 3.3	3.3	mg/Kg	1	03/18/23	CPP	SW6010D
Selenium	< 1.3	1.3	mg/Kg	1	03/18/23	CPP	SW6010D
TCLP Silver	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Aluminum	< 1.0	1.0	mg/L	1	03/16/23	CPP	SW6010D
TCLP Arsenic	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Barium	0.43	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Beryllium	< 0.040	0.040	mg/L	1	03/16/23	CPP	SW6010D
TCLP Calcium	61.3	0.10	mg/L	1	03/16/23	CPP	SW6010D
TCLP Cadmium	< 0.050	0.050	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Cobalt	< 1.0	1.0	mg/L	1	03/16/23	CPP	SW6010D

Ver 2

Project ID: JPL-SANDRESPC
Client ID: SB-2 COMPOSITE

Phoenix I.D.: CN59831

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
TCLP Chromium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Copper	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Iron	0.11	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	03/16/23	AL1	SW846 1311/7470	
TCLP Magnesium	3.31	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Manganese	0.43	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Nickel	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Lead	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Antimony	< 0.060	0.060	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Selenium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010D	
TCLP Thallium	< 0.050	0.050	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Vanadium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Zinc	0.14	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010D	
Thallium	< 2.9	2.9	mg/Kg	1	03/18/23	CPP	SW6010D	
TCLP Metals Digestion	Completed				03/16/23	W/W	SW3010A	
Vanadium	25.1	0.33	mg/Kg	1	03/18/23	CPP	SW6010D	
Zinc	60.7	0.7	mg/Kg	1	03/18/23	CPP	SW6010D	
Percent Solid	91		%		03/15/23	AL	SW846-%Solid	
Corrosivity	Negative		Pos/Neg	1	03/15/23	PK	SW846-Corr	1
Flash Point	>200	200	Degree F	1	03/17/23	G	SW1010B	
Chromium, Hex. (SW3060A digestion	< 0.41	0.41	mg/Kg	1	03/18/23	DK	SW7196A	
Ignitability	Passed	140	degree F	1	03/17/23	G	SW846-Ignit	1
pH at 25C - Soil	8.71	1.00	pH Units	1	03/15/23 21:48	PK	SW846 9045D	1
Reactivity Cyanide	< 5	5	mg/Kg	1	03/17/23	DK/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20	mg/Kg	1	03/17/23	DK/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	03/17/23	DK/GD	SW846-React	1
Redox Potential	170		mV	1	03/15/23	PK	SM2580B-09	1
Mercury Digestion	Completed				03/16/23	W/W	SW7471B	
Extraction of NY ETPH	Completed				03/15/23	B/P/M	SW3546	
Soil Extraction for Herbicide	Completed				03/15/23	J/D	SW3546	
Soil Extraction for PCB	Completed				03/15/23	P/B/F	SW3546	
Soil Extraction for SVOA	Completed				03/15/23	B/F	SW3546	
Paint Filter Test	Passed		PASS/FAIL		03/15/23	O	SW9095B	
TCLP Digestion Mercury	Completed				03/16/23	W/W	SW7470A	
TCLP Extraction for Metals	Completed				03/15/23	W	SW1311	
Total Metals Digest	Completed				03/15/23	J/AG	SW3050B	
Gasoline Range Hydrocarbons (C6-C10)								
GRO (C6-C10)	ND	L 6.0	mg/Kg	50	03/16/23	V	SW8015D GRO	
QA/QC Surrogates								
% 2,5-Dibromotoluene (FID)	88		%	50	03/16/23	V	70 - 130 %	
Chlorinated Herbicides								
2,4,5-T	ND	140	ug/Kg	10	03/16/23	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	140	ug/Kg	10	03/16/23	JRB	SW8151A	
2,4-D	ND	270	ug/Kg	10	03/16/23	JRB	SW8151A	
2,4-DB	ND	2700	ug/Kg	10	03/16/23	JRB	SW8151A	
Dalapon	ND	140	ug/Kg	10	03/16/23	JRB	SW8151A	
Dicamba	ND	140	ug/Kg	10	03/16/23	JRB	SW8151A	

Project ID: JPL-SANDRESPC
Client ID: SB-2 COMPOSITE

Phoenix I.D.: CN59831

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Dichloroprop	ND	270	ug/Kg	10	03/16/23	JRB	SW8151A	
Dinoseb	ND	270	ug/Kg	10	03/16/23	JRB	SW8151A	
QA/QC Surrogates								
% DCAA	86		%	10	03/16/23	JRB	30 - 150 %	
% DCAA (Confirmation)	116		%	10	03/16/23	JRB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	72	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1221	ND	72	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1232	ND	72	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1242	ND	72	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1248	ND	72	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1254	ND	72	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1260	ND	72	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1262	ND	72	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1268	ND	72	ug/Kg	2	03/16/23	SC	SW8082A	
QA/QC Surrogates								
% DCBP	75		%	2	03/16/23	SC	30 - 150 %	
% DCBP (Confirmation)	73		%	2	03/16/23	SC	30 - 150 %	
% TCMX	73		%	2	03/16/23	SC	30 - 150 %	
% TCMX (Confirmation)	90		%	2	03/16/23	SC	30 - 150 %	
TPH by GC (Extractable (C9-C36))								
Fuel Oil #2 / Diesel Fuel	ND	54	mg/kg	1	03/16/23	JRB	SW8015D DRO	1
Fuel Oil #4	ND	54	mg/kg	1	03/16/23	JRB	SW8015D DRO	1
Fuel Oil #6	ND	54	mg/kg	1	03/16/23	JRB	SW8015D DRO	1
Kerosene	ND	54	mg/kg	1	03/16/23	JRB	SW8015D DRO	1
Motor Oil	ND	54	mg/kg	1	03/16/23	JRB	SW8015D DRO	1
Total TPH	ND	54	mg/kg	1	03/16/23	JRB	SW8015D DRO	1
Unidentified	ND	54	mg/kg	1	03/16/23	JRB	SW8015D DRO	1
QA/QC Surrogates								
% COD (surr)	72		%	1	03/16/23	JRB	50 - 150 %	
% Terphenyl (surr)	74		%	1	03/16/23	JRB	50 - 150 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	1	03/15/23	AW	SW8270D	
1,2,4-Trichlorobenzene	ND	250	ug/Kg	1	03/15/23	AW	SW8270D	
1,2-Dichlorobenzene	ND	250	ug/Kg	1	03/15/23	AW	SW8270D	
1,2-Diphenylhydrazine	ND	360	ug/Kg	1	03/15/23	AW	SW8270D	
1,3-Dichlorobenzene	ND	250	ug/Kg	1	03/15/23	AW	SW8270D	
1,4-Dichlorobenzene	ND	250	ug/Kg	1	03/15/23	AW	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	250	ug/Kg	1	03/15/23	AW	SW8270D	1
2,4,5-Trichlorophenol	ND	250	ug/Kg	1	03/15/23	AW	SW8270D	
2,4,6-Trichlorophenol	ND	250	ug/Kg	1	03/15/23	AW	SW8270D	
2,4-Dichlorophenol	ND	250	ug/Kg	1	03/15/23	AW	SW8270D	
2,4-Dimethylphenol	ND	250	ug/Kg	1	03/15/23	AW	SW8270D	
2,4-Dinitrophenol	ND	360	ug/Kg	1	03/15/23	AW	SW8270D	
2,4-Dinitrotoluene	ND	250	ug/Kg	1	03/15/23	AW	SW8270D	
2,6-Dinitrotoluene	ND	250	ug/Kg	1	03/15/23	AW	SW8270D	
2-Chloronaphthalene	ND	250	ug/Kg	1	03/15/23	AW	SW8270D	

Project ID: JPL-SANDRESPC
Client ID: SB-2 COMPOSITE

Phoenix I.D.: CN59831

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2-Chlorophenol	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
2-Methylnaphthalene	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
2-Methylphenol (o-cresol)	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
2-Nitroaniline	ND	360	ug/Kg	1	03/15/23	AW	SW8270D
2-Nitrophenol	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	360	ug/Kg	1	03/15/23	AW	SW8270D
3,3'-Dichlorobenzidine	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
3-Nitroaniline	ND	360	ug/Kg	1	03/15/23	AW	SW8270D
4,6-Dinitro-2-methylphenol	ND	360	ug/Kg	1	03/15/23	AW	SW8270D
4-Bromophenyl phenyl ether	ND	360	ug/Kg	1	03/15/23	AW	SW8270D
4-Chloro-3-methylphenol	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
4-Chloroaniline	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
4-Nitroaniline	ND	580	ug/Kg	1	03/15/23	AW	SW8270D
4-Nitrophenol	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
Acenaphthene	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
Acenaphthylene	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
Acetophenone	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
Aniline	ND	360	ug/Kg	1	03/15/23	AW	SW8270D
Anthracene	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
Benz(a)anthracene	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
Benzidine	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
Benzo(a)pyrene	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
Benzo(b)fluoranthene	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
Benzo(ghi)perylene	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
Benzo(k)fluoranthene	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
Benzoic acid	ND	720	ug/Kg	1	03/15/23	AW	SW8270D
Benzyl butyl phthalate	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
Bis(2-chloroethyl)ether	ND	360	ug/Kg	1	03/15/23	AW	SW8270D
Bis(2-ethylhexyl)phthalate	ND	360	ug/Kg	1	03/15/23	AW	SW8270D
Carbazole	ND	360	ug/Kg	1	03/15/23	AW	SW8270D
Chrysene	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
Dibenz(a,h)anthracene	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
Dibenzofuran	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
Diethyl phthalate	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
Dimethylphthalate	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
Di-n-butylphthalate	ND	360	ug/Kg	1	03/15/23	AW	SW8270D
Di-n-octylphthalate	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
Fluoranthene	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
Fluorene	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
Hexachlorobenzene	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
Hexachlorobutadiene	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
Hexachlorocyclopentadiene	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
Hexachloroethane	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
Isophorone	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
Naphthalene	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
Nitrobenzene	ND	250	ug/Kg	1	03/15/23	AW	SW8270D

Project ID: JPL-SANDRESPC
Client ID: SB-2 COMPOSITE

Phoenix I.D.: CN59831

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
N-Nitrosodimethylamine	ND	360	ug/Kg	1	03/15/23	AW	SW8270D
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
N-Nitrosodiphenylamine	ND	360	ug/Kg	1	03/15/23	AW	SW8270D
Pentachloronitrobenzene	ND	360	ug/Kg	1	03/15/23	AW	SW8270D
Pentachlorophenol	ND	360	ug/Kg	1	03/15/23	AW	SW8270D
Phenanthrene	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
Phenol	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
Pyrene	ND	250	ug/Kg	1	03/15/23	AW	SW8270D
Pyridine	ND	360	ug/Kg	1	03/15/23	AW	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	62		%	1	03/15/23	AW	30 - 130 %
% 2-Fluorobiphenyl	57		%	1	03/15/23	AW	30 - 130 %
% 2-Fluorophenol	49		%	1	03/15/23	AW	30 - 130 %
% Nitrobenzene-d5	52		%	1	03/15/23	AW	30 - 130 %
% Phenol-d5	53		%	1	03/15/23	AW	30 - 130 %
% Terphenyl-d14	50		%	1	03/15/23	AW	30 - 130 %

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:

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.

The GRO (C6-C10) is quantitated using an gasoline standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

Paint Filter Test:
Pass = no free liquids were detected. Fail = free liquids were detected.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide. This method is no longer listed in the current version of SW-846.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Sulfide. This method is no longer listed in the current version of SW-846.

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the GRO/VPH soil data as biased low.

GRO Analysis Comment:
This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

Hexavalent Chromium:
This sample is in a reducing state.

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
March 23, 2023
Reviewed and Released by: Sarah Bell, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 23, 2023

FOR: Attn: Michael Gianco
GIANCO Environmental Services
35 Pinelawn Rd Ste 214E
Melvill, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/13/23	11:30
Location Code:	GIANCO	Received by:	SR1	03/15/23	11:20
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN59813
Phoenix ID: CN59832

Project ID: JPL-SANDRESPC
Client ID: SB-3 GRAB (12.5-13)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Field Extraction	Completed				03/13/23		SW5035A	1
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1-Dichloroethane	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1-Dichloroethene	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1-Dichloropropene	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dibromoethane	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dichloroethane	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dichloropropane	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,3-Dichloropropane	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C	
2,2-Dichloropropane	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C	
2-Chlorotoluene	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C	
2-Hexanone	ND	25	ug/Kg	1	03/16/23	JLI	SW8260C	
2-Isopropyltoluene	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C	1

Project ID: JPL-SANDRESPC
Client ID: SB-3 GRAB (12.5-13)

Phoenix I.D.: CN59832

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
4-Methyl-2-pentanone	ND	25	ug/Kg	1	03/16/23	JLI	SW8260C
Acetone	ND	25	ug/Kg	1	03/16/23	JLI	SW8260C
Acrylonitrile	ND	10	ug/Kg	1	03/16/23	JLI	SW8260C
Benzene	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
Bromobenzene	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
Bromochloromethane	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
Bromodichloromethane	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
Bromoform	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
Bromomethane	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
Carbon Disulfide	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
Carbon tetrachloride	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
Chlorobenzene	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
Chloroethane	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
Chloroform	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
Chloromethane	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
Dibromochloromethane	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
Dibromomethane	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
Dichlorodifluoromethane	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
Ethylbenzene	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
Hexachlorobutadiene	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
Isopropylbenzene	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
m&p-Xylene	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
Methyl Ethyl Ketone	ND	25	ug/Kg	1	03/16/23	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	1	03/16/23	JLI	SW8260C
Methylene chloride	ND	10	ug/Kg	1	03/16/23	JLI	SW8260C
Naphthalene	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
n-Butylbenzene	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
n-Propylbenzene	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
o-Xylene	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
p-Isopropyltoluene	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
sec-Butylbenzene	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
Styrene	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
tert-Butylbenzene	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
Tetrachloroethene	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
Tetrahydrofuran (THF)	ND	10	ug/Kg	1	03/16/23	JLI	SW8260C
Toluene	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
Total Xylenes	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	1	03/16/23	JLI	SW8260C
Trichloroethene	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
Trichlorofluoromethane	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
Vinyl chloride	ND	5.1	ug/Kg	1	03/16/23	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97		%	1	03/16/23	JLI	70 - 130 %

Project ID: JPL-SANDRESPC
Client ID: SB-3 GRAB (12.5-13)

Phoenix I.D.: CN59832

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	101		%	1	03/16/23	JLI	70 - 130 %
% Dibromofluoromethane	92		%	1	03/16/23	JLI	70 - 130 %
% Toluene-d8	105		%	1	03/16/23	JLI	70 - 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.

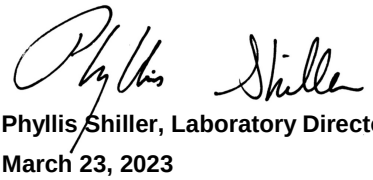
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed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

Comments:

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

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

If 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
March 23, 2023
Reviewed and Released by: Sarah Bell, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 23, 2023

FOR: Attn: Michael Gianco
GIANCO Environmental Services
35 Pinelawn Rd Ste 214E
Melvill, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/13/23	11:35
Location Code:	GIANCO	Received by:	SR1	03/15/23	11:20
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN59813
Phoenix ID: CN59833

Project ID: JPL-SANDRESPC
Client ID: SB-3 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.35	0.35	mg/Kg	1	03/18/23	CPP	SW6010D
Aluminum	9130	53	mg/Kg	10	03/17/23	CPP	SW6010D
Arsenic	3.04	0.71	mg/Kg	1	03/18/23	CPP	SW6010D
Barium	67.5	0.35	mg/Kg	1	03/18/23	CPP	SW6010D
Beryllium	0.44	0.28	mg/Kg	1	03/18/23	CPP	SW6010D
Calcium	3140	5.3	mg/Kg	1	03/18/23	CPP	SW6010D
Cadmium	0.98	0.35	mg/Kg	1	03/18/23	CPP	SW6010D
Cobalt	7.59	0.35	mg/Kg	1	03/18/23	CPP	SW6010D
Chromium	25.3	0.35	mg/Kg	1	03/18/23	CPP	SW6010D
Copper	20.0	0.7	mg/kg	1	03/18/23	CPP	SW6010D
Iron	20000	53	mg/Kg	10	03/17/23	CPP	SW6010D
Mercury	0.13	0.03	mg/Kg	2	03/16/23	PM	SW7471B
Potassium	1700	53	mg/Kg	10	03/17/23	CPP	SW6010D
Magnesium	3280	5.3	mg/Kg	1	03/18/23	CPP	SW6010D
Manganese	491	3.5	mg/Kg	10	03/17/23	CPP	SW6010D
Sodium	558	5.3	mg/Kg	1	03/18/23	CPP	SW6010D
Nickel	16.9	0.35	mg/Kg	1	03/18/23	CPP	SW6010D
Lead	20.0	0.35	mg/Kg	1	03/18/23	CPP	SW6010D
Antimony	< 3.5	3.5	mg/Kg	1	03/18/23	CPP	SW6010D
Selenium	< 1.4	1.4	mg/Kg	1	03/18/23	CPP	SW6010D
TCLP Silver	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Aluminum	< 1.0	1.0	mg/L	1	03/16/23	CPP	SW6010D
TCLP Arsenic	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Barium	0.39	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Beryllium	< 0.040	0.040	mg/L	1	03/16/23	CPP	SW6010D
TCLP Calcium	94.8	0.10	mg/L	1	03/16/23	CPP	SW6010D
TCLP Cadmium	< 0.050	0.050	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Cobalt	< 1.0	1.0	mg/L	1	03/16/23	CPP	SW6010D

Ver 2

Project ID: JPL-SANDRESPC
Client ID: SB-3 COMPOSITE

Phoenix I.D.: CN59833

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
TCLP Chromium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Copper	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Iron	0.28	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	03/16/23	AL1	SW846 1311/7470	
TCLP Magnesium	11.8	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Manganese	1.84	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Nickel	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Lead	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Antimony	< 0.060	0.060	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Selenium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010D	
TCLP Thallium	< 0.050	0.050	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Vanadium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Zinc	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010D	
Thallium	< 3.2	3.2	mg/Kg	1	03/18/23	CPP	SW6010D	
TCLP Metals Digestion	Completed				03/16/23	W/W	SW3010A	
Vanadium	24.5	0.35	mg/Kg	1	03/18/23	CPP	SW6010D	
Zinc	45.9	0.7	mg/Kg	1	03/18/23	CPP	SW6010D	
Percent Solid	86		%		03/15/23	AL	SW846-%Solid	
Corrosivity	Negative		Pos/Neg	1	03/15/23	PK	SW846-Corr	1
Flash Point	>200	200	Degree F	1	03/17/23	G	SW1010B	
Chromium, Hex. (SW3060A digestion	< 0.44	0.44	mg/Kg	1	03/18/23	DK	SW7196A	
Ignitability	Passed	140	degree F	1	03/17/23	G	SW846-Ignit	1
pH at 25C - Soil	8.94	1.00	pH Units	1	03/15/23 21:48	PK	SW846 9045D	1
Reactivity Cyanide	< 5	5	mg/Kg	1	03/17/23	DK/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20	mg/Kg	1	03/17/23	DK/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	03/17/23	DK/GD	SW846-React	1
Redox Potential	139		mV	1	03/15/23	PK	SM2580B-09	1
Mercury Digestion	Completed				03/16/23	W/W	SW7471B	
Extraction of NY ETPH	Completed				03/15/23	B/P/M	SW3546	
Soil Extraction for Herbicide	Completed				03/15/23	J/D	SW3546	
Soil Extraction for PCB	Completed				03/15/23	P/B/F	SW3546	
Soil Extraction for SVOA	Completed				03/15/23	B/F	SW3546	
Paint Filter Test	Passed		PASS/FAIL		03/15/23	O	SW9095B	
TCLP Digestion Mercury	Completed				03/16/23	W/W	SW7470A	
TCLP Extraction for Metals	Completed				03/15/23	W	SW1311	
Total Metals Digest	Completed				03/15/23	J/AG	SW3050B	
Gasoline Range Hydrocarbons (C6-C10)								
GRO (C6-C10)	ND	L 6.6	mg/Kg	50	03/16/23	V	SW8015D GRO	
QA/QC Surrogates								
% 2,5-Dibromotoluene (FID)	84		%	50	03/16/23	V	70 - 130 %	
Chlorinated Herbicides								
2,4,5-T	ND	140	ug/Kg	10	03/16/23	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	140	ug/Kg	10	03/16/23	JRB	SW8151A	
2,4-D	ND	290	ug/Kg	10	03/16/23	JRB	SW8151A	
2,4-DB	ND	2900	ug/Kg	10	03/16/23	JRB	SW8151A	
Dalapon	ND	140	ug/Kg	10	03/16/23	JRB	SW8151A	
Dicamba	ND	140	ug/Kg	10	03/16/23	JRB	SW8151A	

Project ID: JPL-SANDRESPC
Client ID: SB-3 COMPOSITE

Phoenix I.D.: CN59833

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Dichloroprop	ND	290	ug/Kg	10	03/16/23	JRB	SW8151A	
Dinoseb	ND	290	ug/Kg	10	03/16/23	JRB	SW8151A	
QA/QC Surrogates								
% DCAA	83		%	10	03/16/23	JRB	30 - 150 %	
% DCAA (Confirmation)	112		%	10	03/16/23	JRB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	76	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1221	ND	76	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1232	ND	76	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1242	ND	76	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1248	ND	76	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1254	ND	76	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1260	ND	76	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1262	ND	76	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1268	ND	76	ug/Kg	2	03/16/23	SC	SW8082A	
QA/QC Surrogates								
% DCBP	74		%	2	03/16/23	SC	30 - 150 %	
% DCBP (Confirmation)	72		%	2	03/16/23	SC	30 - 150 %	
% TCMX	80		%	2	03/16/23	SC	30 - 150 %	
% TCMX (Confirmation)	87		%	2	03/16/23	SC	30 - 150 %	
TPH by GC (Extractable (C9-C36))								
Fuel Oil #2 / Diesel Fuel	ND	57	mg/kg	1	03/16/23	JRB	SW8015D DRO	1
Fuel Oil #4	ND	57	mg/kg	1	03/16/23	JRB	SW8015D DRO	1
Fuel Oil #6	ND	57	mg/kg	1	03/16/23	JRB	SW8015D DRO	1
Kerosene	ND	57	mg/kg	1	03/16/23	JRB	SW8015D DRO	1
Motor Oil	ND	57	mg/kg	1	03/16/23	JRB	SW8015D DRO	1
Total TPH	ND	57	mg/kg	1	03/16/23	JRB	SW8015D DRO	1
Unidentified	ND	57	mg/kg	1	03/16/23	JRB	SW8015D DRO	1
QA/QC Surrogates								
% COD (surr)	72		%	1	03/16/23	JRB	50 - 150 %	
% Terphenyl (surr)	76		%	1	03/16/23	JRB	50 - 150 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	1	03/16/23	AW	SW8270D	
1,2,4-Trichlorobenzene	ND	270	ug/Kg	1	03/16/23	AW	SW8270D	
1,2-Dichlorobenzene	ND	270	ug/Kg	1	03/16/23	AW	SW8270D	
1,2-Diphenylhydrazine	ND	390	ug/Kg	1	03/16/23	AW	SW8270D	
1,3-Dichlorobenzene	ND	270	ug/Kg	1	03/16/23	AW	SW8270D	
1,4-Dichlorobenzene	ND	270	ug/Kg	1	03/16/23	AW	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	270	ug/Kg	1	03/16/23	AW	SW8270D	1
2,4,5-Trichlorophenol	ND	270	ug/Kg	1	03/16/23	AW	SW8270D	
2,4,6-Trichlorophenol	ND	270	ug/Kg	1	03/16/23	AW	SW8270D	
2,4-Dichlorophenol	ND	270	ug/Kg	1	03/16/23	AW	SW8270D	
2,4-Dimethylphenol	ND	270	ug/Kg	1	03/16/23	AW	SW8270D	
2,4-Dinitrophenol	ND	390	ug/Kg	1	03/16/23	AW	SW8270D	
2,4-Dinitrotoluene	ND	270	ug/Kg	1	03/16/23	AW	SW8270D	
2,6-Dinitrotoluene	ND	270	ug/Kg	1	03/16/23	AW	SW8270D	
2-Chloronaphthalene	ND	270	ug/Kg	1	03/16/23	AW	SW8270D	

Project ID: JPL-SANDRESPC
Client ID: SB-3 COMPOSITE

Phoenix I.D.: CN59833

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2-Chlorophenol	ND	270	ug/Kg	1	03/16/23	AW	SW8270D
2-Methylnaphthalene	ND	270	ug/Kg	1	03/16/23	AW	SW8270D
2-Methylphenol (o-cresol)	ND	270	ug/Kg	1	03/16/23	AW	SW8270D
2-Nitroaniline	ND	390	ug/Kg	1	03/16/23	AW	SW8270D
2-Nitrophenol	ND	270	ug/Kg	1	03/16/23	AW	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	390	ug/Kg	1	03/16/23	AW	SW8270D
3,3'-Dichlorobenzidine	ND	270	ug/Kg	1	03/16/23	AW	SW8270D
3-Nitroaniline	ND	390	ug/Kg	1	03/16/23	AW	SW8270D
4,6-Dinitro-2-methylphenol	ND	390	ug/Kg	1	03/16/23	AW	SW8270D
4-Bromophenyl phenyl ether	ND	390	ug/Kg	1	03/16/23	AW	SW8270D
4-Chloro-3-methylphenol	ND	270	ug/Kg	1	03/16/23	AW	SW8270D
4-Chloroaniline	ND	270	ug/Kg	1	03/16/23	AW	SW8270D
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	1	03/16/23	AW	SW8270D
4-Nitroaniline	ND	620	ug/Kg	1	03/16/23	AW	SW8270D
4-Nitrophenol	ND	270	ug/Kg	1	03/16/23	AW	SW8270D
Acenaphthene	ND	270	ug/Kg	1	03/16/23	AW	SW8270D
Acenaphthylene	ND	270	ug/Kg	1	03/16/23	AW	SW8270D
Acetophenone	ND	270	ug/Kg	1	03/16/23	AW	SW8270D
Aniline	ND	390	ug/Kg	1	03/16/23	AW	SW8270D
Anthracene	ND	270	ug/Kg	1	03/16/23	AW	SW8270D
Benz(a)anthracene	ND	270	ug/Kg	1	03/16/23	AW	SW8270D
Benzidine	ND	270	ug/Kg	1	03/16/23	AW	SW8270D
Benzo(a)pyrene	430	270	ug/Kg	1	03/16/23	AW	SW8270D
Benzo(b)fluoranthene	450	270	ug/Kg	1	03/16/23	AW	SW8270D
Benzo(ghi)perylene	290	270	ug/Kg	1	03/16/23	AW	SW8270D
Benzo(k)fluoranthene	ND	270	ug/Kg	1	03/16/23	AW	SW8270D
Benzoic acid	ND	780	ug/Kg	1	03/16/23	AW	SW8270D
Benzyl butyl phthalate	ND	270	ug/Kg	1	03/16/23	AW	SW8270D
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	1	03/16/23	AW	SW8270D
Bis(2-chloroethyl)ether	ND	390	ug/Kg	1	03/16/23	AW	SW8270D
Bis(2-ethylhexyl)phthalate	ND	390	ug/Kg	1	03/16/23	AW	SW8270D
Carbazole	ND	390	ug/Kg	1	03/16/23	AW	SW8270D
Chrysene	ND	270	ug/Kg	1	03/16/23	AW	SW8270D
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	03/16/23	AW	SW8270D
Dibenzofuran	ND	270	ug/Kg	1	03/16/23	AW	SW8270D
Diethyl phthalate	ND	270	ug/Kg	1	03/16/23	AW	SW8270D
Dimethylphthalate	ND	270	ug/Kg	1	03/16/23	AW	SW8270D
Di-n-butylphthalate	ND	390	ug/Kg	1	03/16/23	AW	SW8270D
Di-n-octylphthalate	ND	270	ug/Kg	1	03/16/23	AW	SW8270D
Fluoranthene	470	270	ug/Kg	1	03/16/23	AW	SW8270D
Fluorene	ND	270	ug/Kg	1	03/16/23	AW	SW8270D
Hexachlorobenzene	ND	270	ug/Kg	1	03/16/23	AW	SW8270D
Hexachlorobutadiene	ND	270	ug/Kg	1	03/16/23	AW	SW8270D
Hexachlorocyclopentadiene	ND	270	ug/Kg	1	03/16/23	AW	SW8270D
Hexachloroethane	ND	270	ug/Kg	1	03/16/23	AW	SW8270D
Indeno(1,2,3-cd)pyrene	300	270	ug/Kg	1	03/16/23	AW	SW8270D
Isophorone	ND	270	ug/Kg	1	03/16/23	AW	SW8270D
Naphthalene	ND	270	ug/Kg	1	03/16/23	AW	SW8270D
Nitrobenzene	ND	270	ug/Kg	1	03/16/23	AW	SW8270D

Project ID: JPL-SANDRESPC
Client ID: SB-3 COMPOSITE

Phoenix I.D.: CN59833

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
N-Nitrosodimethylamine	ND	390	ug/Kg	1	03/16/23	AW	SW8270D
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	1	03/16/23	AW	SW8270D
N-Nitrosodiphenylamine	ND	390	ug/Kg	1	03/16/23	AW	SW8270D
Pentachloronitrobenzene	ND	390	ug/Kg	1	03/16/23	AW	SW8270D
Pentachlorophenol	ND	390	ug/Kg	1	03/16/23	AW	SW8270D
Phenanthrene	ND	270	ug/Kg	1	03/16/23	AW	SW8270D
Phenol	ND	270	ug/Kg	1	03/16/23	AW	SW8270D
Pyrene	610	270	ug/Kg	1	03/16/23	AW	SW8270D
Pyridine	ND	390	ug/Kg	1	03/16/23	AW	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	82		%	1	03/16/23	AW	30 - 130 %
% 2-Fluorobiphenyl	66		%	1	03/16/23	AW	30 - 130 %
% 2-Fluorophenol	55		%	1	03/16/23	AW	30 - 130 %
% Nitrobenzene-d5	65		%	1	03/16/23	AW	30 - 130 %
% Phenol-d5	60		%	1	03/16/23	AW	30 - 130 %
% Terphenyl-d14	61		%	1	03/16/23	AW	30 - 130 %

Project ID: JPL-SANDRESPC
Client ID: SB-3 COMPOSITE

Phoenix I.D.: CN59833

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:

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.

The GRO (C6-C10) is quantitated using an gasoline standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

Paint Filter Test:
Pass = no free liquids were detected. Fail = free liquids were detected.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide. This method is no longer listed in the current version of SW-846.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Sulfide. This method is no longer listed in the current version of SW-846.

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the GRO/VPH soil data as biased low.

GRO Analysis Comment:
This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

Hexavalent Chromium:
This sample is in a reducing state.

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

March 23, 2023

Reviewed and Released by: Sarah Bell, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 23, 2023

FOR: Attn: Michael Gianco
GIANCO Environmental Services
35 Pinelawn Rd Ste 214E
Melvill, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/13/23	12:50
Location Code:	GIANCO	Received by:	SR1	03/15/23	11:20
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN59813
Phoenix ID: CN59834

Project ID: JPL-SANDRESPC
Client ID: SB-07 GRAB (1-1.5)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Field Extraction	Completed				03/13/23		SW5035A	1
Volatiles								
1,1,1,2-Tetrachloroethane	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1,1-Trichloroethane	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1,2-Trichloroethane	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1-Dichloroethane	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1-Dichloroethene	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1-Dichloropropene	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,3-Trichloropropane	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dibromoethane	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dichlorobenzene	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dichloroethane	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dichloropropane	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C	
1,3-Dichlorobenzene	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C	
1,3-Dichloropropane	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C	
1,4-Dichlorobenzene	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C	
2,2-Dichloropropane	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C	
2-Chlorotoluene	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C	
2-Hexanone	ND	22	ug/Kg	1	03/16/23	JLI	SW8260C	
2-Isopropyltoluene	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C	1

Project ID: JPL-SANDRESPC
Client ID: SB-07 GRAB (1-1.5)

Phoenix I.D.: CN59834

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
4-Methyl-2-pentanone	ND	22	ug/Kg	1	03/16/23	JLI	SW8260C
Acetone	ND	22	ug/Kg	1	03/16/23	JLI	SW8260C
Acrylonitrile	ND	8.8	ug/Kg	1	03/16/23	JLI	SW8260C
Benzene	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
Bromobenzene	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
Bromochloromethane	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
Bromodichloromethane	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
Bromoform	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
Bromomethane	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
Carbon Disulfide	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
Carbon tetrachloride	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
Chlorobenzene	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
Chloroethane	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
Chloroform	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
Chloromethane	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
Dibromochloromethane	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
Dibromomethane	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
Dichlorodifluoromethane	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
Ethylbenzene	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
Hexachlorobutadiene	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
Isopropylbenzene	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
m&p-Xylene	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
Methyl Ethyl Ketone	ND	22	ug/Kg	1	03/16/23	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	8.8	ug/Kg	1	03/16/23	JLI	SW8260C
Methylene chloride	ND	8.8	ug/Kg	1	03/16/23	JLI	SW8260C
Naphthalene	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
n-Butylbenzene	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
n-Propylbenzene	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
o-Xylene	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
p-Isopropyltoluene	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
sec-Butylbenzene	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
Styrene	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
tert-Butylbenzene	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
Tetrachloroethene	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
Tetrahydrofuran (THF)	ND	8.8	ug/Kg	1	03/16/23	JLI	SW8260C
Toluene	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
Total Xylenes	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	8.8	ug/Kg	1	03/16/23	JLI	SW8260C
Trichloroethene	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
Trichlorofluoromethane	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
Vinyl chloride	ND	4.4	ug/Kg	1	03/16/23	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98		%	1	03/16/23	JLI	70 - 130 %

Project ID: JPL-SANDRESPC
Client ID: SB-07 GRAB (1-1.5)

Phoenix I.D.: CN59834

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	103		%	1	03/16/23	JLI	70 - 130 %
% Dibromofluoromethane	92		%	1	03/16/23	JLI	70 - 130 %
% Toluene-d8	102		%	1	03/16/23	JLI	70 - 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.

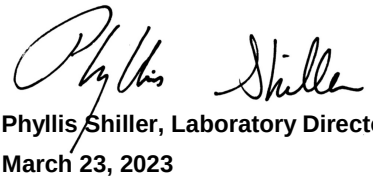
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed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

Comments:

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

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

If 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
March 23, 2023
Reviewed and Released by: Sarah Bell, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 23, 2023

FOR: Attn: Michael Gianco
GIANCO Environmental Services
35 Pinelawn Rd Ste 214E
Melvill, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/13/23	12:55
Location Code:	GIANCO	Received by:	SR1	03/15/23	11:20
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN59813
Phoenix ID: CN59835

Project ID: JPL-SANDRESPC
Client ID: SB-07 COMP

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.41	0.41	mg/Kg	1	03/18/23	CPP	SW6010D
Aluminum	6870	62	mg/Kg	10	03/17/23	CPP	SW6010D
Arsenic	4.32	0.82	mg/Kg	1	03/18/23	CPP	SW6010D
Barium	913	0.41	mg/Kg	1	03/18/23	CPP	SW6010D
Beryllium	0.38	0.33	mg/Kg	1	03/18/23	CPP	SW6010D
Calcium	69100	62	mg/Kg	10	03/17/23	CPP	SW6010D
Cadmium	1.00	0.41	mg/Kg	1	03/18/23	CPP	SW6010D
Cobalt	5.25	0.41	mg/Kg	1	03/18/23	CPP	SW6010D
Chromium	14.3	0.41	mg/Kg	1	03/18/23	CPP	SW6010D
Copper	46.7	0.8	mg/kg	1	03/18/23	CPP	SW6010D
Iron	13900	62	mg/Kg	10	03/17/23	CPP	SW6010D
Mercury	0.20	0.03	mg/Kg	2	03/16/23	PM	SW7471B
Potassium	1180	62	mg/Kg	10	03/17/23	CPP	SW6010D
Magnesium	25000	62	mg/Kg	10	03/17/23	CPP	SW6010D
Manganese	321	4.1	mg/Kg	10	03/17/23	CPP	SW6010D
Sodium	1360	6.2	mg/Kg	1	03/18/23	CPP	SW6010D
Nickel	14.5	0.41	mg/Kg	1	03/18/23	CPP	SW6010D
Lead	280	4.1	mg/Kg	10	03/17/23	CPP	SW6010D
Antimony	< 4.1	4.1	mg/Kg	1	03/18/23	CPP	SW6010D
Selenium	< 1.6	1.6	mg/Kg	1	03/18/23	CPP	SW6010D
TCLP Silver	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Aluminum	< 1.0	1.0	mg/L	1	03/16/23	CPP	SW6010D
TCLP Arsenic	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Barium	0.73	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Beryllium	< 0.040	0.040	mg/L	1	03/16/23	CPP	SW6010D
TCLP Calcium	733	0.10	mg/L	1	03/16/23	CPP	SW6010D
TCLP Cadmium	< 0.050	0.050	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Cobalt	< 1.0	1.0	mg/L	1	03/16/23	CPP	SW6010D

Ver 2

Project ID: JPL-SANDRESPC
Client ID: SB-07 COMP

Phoenix I.D.: CN59835

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
TCLP Chromium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Copper	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Iron	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	03/16/23	AL1	SW846 1311/7470	
TCLP Magnesium	16.2	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Manganese	1.52	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Nickel	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Lead	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Antimony	< 0.060	0.060	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Selenium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010D	
TCLP Thallium	< 0.050	0.050	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Vanadium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Zinc	0.57	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010D	
Thallium	< 3.7	3.7	mg/Kg	1	03/18/23	CPP	SW6010D	
TCLP Metals Digestion	Completed				03/16/23	W/W	SW3010A	
Vanadium	25.5	0.41	mg/Kg	1	03/18/23	CPP	SW6010D	
Zinc	349	8.2	mg/Kg	10	03/17/23	CPP	SW6010D	
Percent Solid	87		%		03/15/23	AL	SW846-%Solid	
Corrosivity	Negative		Pos/Neg	1	03/15/23	PK	SW846-Corr	1
Flash Point	>200	200	Degree F	1	03/17/23	G	SW1010B	
Chromium, Hex. (SW3060A digestion	< 0.43	0.43	mg/Kg	1	03/18/23	DK	SW7196A	
Ignitability	Passed	140	degree F	1	03/17/23	G	SW846-Ignit	1
pH at 25C - Soil	9.86	1.00	pH Units	1	03/15/23 21:48	PK	SW846 9045D	1
Reactivity Cyanide	< 5	5	mg/Kg	1	03/17/23	DK/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20	mg/Kg	1	03/17/23	DK/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	03/17/23	DK/GD	SW846-React	1
Redox Potential	138		mV	1	03/15/23	PK	SM2580B-09	1
Mercury Digestion	Completed				03/16/23	W/W	SW7471B	
Extraction of NY ETPH	Completed				03/15/23	B/P/M	SW3546	
Soil Extraction for Herbicide	Completed				03/15/23	J/D	SW3546	
Soil Extraction for PCB	Completed				03/15/23	P/B/F	SW3546	
Soil Extraction for SVOA	Completed				03/15/23	B/F	SW3546	
Paint Filter Test	Passed		PASS/FAIL		03/15/23	O	SW9095B	
TCLP Digestion Mercury	Completed				03/16/23	W/W	SW7470A	
TCLP Extraction for Metals	Completed				03/15/23	W	SW1311	
Total Metals Digest	Completed				03/15/23	J/AG	SW3050B	
Gasoline Range Hydrocarbons (C6-C10)								
GRO (C6-C10)	ND	L 6.4	mg/Kg	50	03/16/23	V	SW8015D GRO	
QA/QC Surrogates								
% 2,5-Dibromotoluene (FID)	86		%	50	03/16/23	V	70 - 130 %	
Chlorinated Herbicides								
2,4,5-T	ND	140	ug/Kg	10	03/16/23	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	140	ug/Kg	10	03/16/23	JRB	SW8151A	
2,4-D	ND	280	ug/Kg	10	03/16/23	JRB	SW8151A	
2,4-DB	ND	2800	ug/Kg	10	03/16/23	JRB	SW8151A	
Dalapon	ND	140	ug/Kg	10	03/16/23	JRB	SW8151A	
Dicamba	ND	140	ug/Kg	10	03/16/23	JRB	SW8151A	

Project ID: JPL-SANDRESPC
Client ID: SB-07 COMP

Phoenix I.D.: CN59835

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Dichloroprop	ND	280	ug/Kg	10	03/16/23	JRB	SW8151A	
Dinoseb	ND	280	ug/Kg	10	03/16/23	JRB	SW8151A	
QA/QC Surrogates								
% DCAA	81		%	10	03/16/23	JRB	30 - 150 %	
% DCAA (Confirmation)	112		%	10	03/16/23	JRB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	76	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1221	ND	76	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1232	ND	76	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1242	ND	76	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1248	ND	76	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1254	ND	76	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1260	ND	76	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1262	ND	76	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1268	ND	76	ug/Kg	2	03/16/23	SC	SW8082A	
QA/QC Surrogates								
% DCBP	76		%	2	03/16/23	SC	30 - 150 %	
% DCBP (Confirmation)	73		%	2	03/16/23	SC	30 - 150 %	
% TCMX	86		%	2	03/16/23	SC	30 - 150 %	
% TCMX (Confirmation)	90		%	2	03/16/23	SC	30 - 150 %	
TPH by GC (Extractable (C9-C36))								
Fuel Oil #2 / Diesel Fuel	ND	280	mg/kg	5	03/16/23	JRB	SW8015D DRO	1
Fuel Oil #4	ND	280	mg/kg	5	03/16/23	JRB	SW8015D DRO	1
Fuel Oil #6	ND	280	mg/kg	5	03/16/23	JRB	SW8015D DRO	1
Kerosene	ND	280	mg/kg	5	03/16/23	JRB	SW8015D DRO	1
Motor Oil	ND	280	mg/kg	5	03/16/23	JRB	SW8015D DRO	1
Total TPH	ND	280	mg/kg	5	03/16/23	JRB	SW8015D DRO	1
Unidentified	ND	280	mg/kg	5	03/16/23	JRB	SW8015D DRO	1
QA/QC Surrogates								
% COD (surr)	92		%	5	03/16/23	JRB	50 - 150 %	
% Terphenyl (surr)	91		%	5	03/16/23	JRB	50 - 150 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	1	03/16/23	AW	SW8270D	
1,2,4-Trichlorobenzene	ND	260	ug/Kg	1	03/16/23	AW	SW8270D	
1,2-Dichlorobenzene	ND	260	ug/Kg	1	03/16/23	AW	SW8270D	
1,2-Diphenylhydrazine	ND	380	ug/Kg	1	03/16/23	AW	SW8270D	
1,3-Dichlorobenzene	ND	260	ug/Kg	1	03/16/23	AW	SW8270D	
1,4-Dichlorobenzene	ND	260	ug/Kg	1	03/16/23	AW	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	260	ug/Kg	1	03/16/23	AW	SW8270D	1
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	03/16/23	AW	SW8270D	
2,4,6-Trichlorophenol	ND	260	ug/Kg	1	03/16/23	AW	SW8270D	
2,4-Dichlorophenol	ND	260	ug/Kg	1	03/16/23	AW	SW8270D	
2,4-Dimethylphenol	ND	260	ug/Kg	1	03/16/23	AW	SW8270D	
2,4-Dinitrophenol	ND	380	ug/Kg	1	03/16/23	AW	SW8270D	
2,4-Dinitrotoluene	ND	260	ug/Kg	1	03/16/23	AW	SW8270D	
2,6-Dinitrotoluene	ND	260	ug/Kg	1	03/16/23	AW	SW8270D	
2-Chloronaphthalene	ND	260	ug/Kg	1	03/16/23	AW	SW8270D	

Project ID: JPL-SANDRESPC
Client ID: SB-07 COMP

Phoenix I.D.: CN59835

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2-Chlorophenol	ND	260	ug/Kg	1	03/16/23	AW	SW8270D
2-Methylnaphthalene	ND	260	ug/Kg	1	03/16/23	AW	SW8270D
2-Methylphenol (o-cresol)	ND	260	ug/Kg	1	03/16/23	AW	SW8270D
2-Nitroaniline	ND	380	ug/Kg	1	03/16/23	AW	SW8270D
2-Nitrophenol	ND	260	ug/Kg	1	03/16/23	AW	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	380	ug/Kg	1	03/16/23	AW	SW8270D
3,3'-Dichlorobenzidine	ND	260	ug/Kg	1	03/16/23	AW	SW8270D
3-Nitroaniline	ND	380	ug/Kg	1	03/16/23	AW	SW8270D
4,6-Dinitro-2-methylphenol	ND	380	ug/Kg	1	03/16/23	AW	SW8270D
4-Bromophenyl phenyl ether	ND	380	ug/Kg	1	03/16/23	AW	SW8270D
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	03/16/23	AW	SW8270D
4-Chloroaniline	ND	260	ug/Kg	1	03/16/23	AW	SW8270D
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	03/16/23	AW	SW8270D
4-Nitroaniline	ND	600	ug/Kg	1	03/16/23	AW	SW8270D
4-Nitrophenol	ND	260	ug/Kg	1	03/16/23	AW	SW8270D
Acenaphthene	ND	260	ug/Kg	1	03/16/23	AW	SW8270D
Acenaphthylene	ND	260	ug/Kg	1	03/16/23	AW	SW8270D
Acetophenone	ND	260	ug/Kg	1	03/16/23	AW	SW8270D
Aniline	ND	380	ug/Kg	1	03/16/23	AW	SW8270D
Anthracene	ND	260	ug/Kg	1	03/16/23	AW	SW8270D
Benz(a)anthracene	780	260	ug/Kg	1	03/16/23	AW	SW8270D
Benzidine	ND	260	ug/Kg	1	03/16/23	AW	SW8270D
Benzo(a)pyrene	820	260	ug/Kg	1	03/16/23	AW	SW8270D
Benzo(b)fluoranthene	970	260	ug/Kg	1	03/16/23	AW	SW8270D
Benzo(ghi)perylene	560	260	ug/Kg	1	03/16/23	AW	SW8270D
Benzo(k)fluoranthene	330	260	ug/Kg	1	03/16/23	AW	SW8270D
Benzoic acid	ND	750	ug/Kg	1	03/16/23	AW	SW8270D
Benzyl butyl phthalate	ND	260	ug/Kg	1	03/16/23	AW	SW8270D
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	03/16/23	AW	SW8270D
Bis(2-chloroethyl)ether	ND	380	ug/Kg	1	03/16/23	AW	SW8270D
Bis(2-ethylhexyl)phthalate	ND	380	ug/Kg	1	03/16/23	AW	SW8270D
Carbazole	ND	380	ug/Kg	1	03/16/23	AW	SW8270D
Chrysene	710	260	ug/Kg	1	03/16/23	AW	SW8270D
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	03/16/23	AW	SW8270D
Dibenzofuran	ND	260	ug/Kg	1	03/16/23	AW	SW8270D
Diethyl phthalate	ND	260	ug/Kg	1	03/16/23	AW	SW8270D
Dimethylphthalate	ND	260	ug/Kg	1	03/16/23	AW	SW8270D
Di-n-butylphthalate	ND	380	ug/Kg	1	03/16/23	AW	SW8270D
Di-n-octylphthalate	ND	260	ug/Kg	1	03/16/23	AW	SW8270D
Fluoranthene	1300	260	ug/Kg	1	03/16/23	AW	SW8270D
Fluorene	ND	260	ug/Kg	1	03/16/23	AW	SW8270D
Hexachlorobenzene	ND	260	ug/Kg	1	03/16/23	AW	SW8270D
Hexachlorobutadiene	ND	260	ug/Kg	1	03/16/23	AW	SW8270D
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	03/16/23	AW	SW8270D
Hexachloroethane	ND	260	ug/Kg	1	03/16/23	AW	SW8270D
Indeno(1,2,3-cd)pyrene	570	260	ug/Kg	1	03/16/23	AW	SW8270D
Isophorone	ND	260	ug/Kg	1	03/16/23	AW	SW8270D
Naphthalene	ND	260	ug/Kg	1	03/16/23	AW	SW8270D
Nitrobenzene	ND	260	ug/Kg	1	03/16/23	AW	SW8270D

Project ID: JPL-SANDRESPC
Client ID: SB-07 COMP

Phoenix I.D.: CN59835

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
N-Nitrosodimethylamine	ND	380	ug/Kg	1	03/16/23	AW	SW8270D
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	1	03/16/23	AW	SW8270D
N-Nitrosodiphenylamine	ND	380	ug/Kg	1	03/16/23	AW	SW8270D
Pentachloronitrobenzene	ND	380	ug/Kg	1	03/16/23	AW	SW8270D
Pentachlorophenol	ND	380	ug/Kg	1	03/16/23	AW	SW8270D
Phenanthrene	600	260	ug/Kg	1	03/16/23	AW	SW8270D
Phenol	ND	260	ug/Kg	1	03/16/23	AW	SW8270D
Pyrene	1200	260	ug/Kg	1	03/16/23	AW	SW8270D
Pyridine	ND	380	ug/Kg	1	03/16/23	AW	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	76		%	1	03/16/23	AW	30 - 130 %
% 2-Fluorobiphenyl	65		%	1	03/16/23	AW	30 - 130 %
% 2-Fluorophenol	61		%	1	03/16/23	AW	30 - 130 %
% Nitrobenzene-d5	73		%	1	03/16/23	AW	30 - 130 %
% Phenol-d5	66		%	1	03/16/23	AW	30 - 130 %
% Terphenyl-d14	61		%	1	03/16/23	AW	30 - 130 %

Project ID: JPL-SANDRESPC
Client ID: SB-07 COMP

Phoenix I.D.: CN59835

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:

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.

The GRO (C6-C10) is quantitated using an gasoline standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

Paint Filter Test:
Pass = no free liquids were detected. Fail = free liquids were detected.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide. This method is no longer listed in the current version of SW-846.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Sulfide. This method is no longer listed in the current version of SW-846.

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the GRO/VPH soil data as biased low.

GRO Analysis Comment:
This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

Hexavalent Chromium:
This sample is in a reducing state.

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
March 23, 2023
Reviewed and Released by: Sarah Bell, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 23, 2023

FOR: Attn: Michael Gianco
GIANCO Environmental Services
35 Pinelawn Rd Ste 214E
Melvill, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/13/23	13:50
Location Code:	GIANCO	Received by:	SR1	03/15/23	11:20
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN59813
Phoenix ID: CN59836

Project ID: JPL-SANDRESPC
Client ID: SB08 GRAB (6.5-7)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Field Extraction	Completed				03/13/23		SW5035A	1
Volatiles								
1,1,1,2-Tetrachloroethane	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1,1-Trichloroethane	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1,2-Trichloroethane	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1-Dichloroethane	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1-Dichloroethene	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1-Dichloropropene	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,3-Trichloropropane	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dibromoethane	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dichlorobenzene	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dichloroethane	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dichloropropane	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,3-Dichlorobenzene	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,3-Dichloropropane	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C	
1,4-Dichlorobenzene	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C	
2,2-Dichloropropane	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C	
2-Chlorotoluene	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C	
2-Hexanone	ND	30	ug/Kg	1	03/16/23	JLI	SW8260C	
2-Isopropyltoluene	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C	1

Project ID: JPL-SANDRESPC
Client ID: SB08 GRAB (6.5-7)

Phoenix I.D.: CN59836

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
4-Methyl-2-pentanone	ND	30	ug/Kg	1	03/16/23	JLI	SW8260C
Acetone	ND	30	ug/Kg	1	03/16/23	JLI	SW8260C
Acrylonitrile	ND	12	ug/Kg	1	03/16/23	JLI	SW8260C
Benzene	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
Bromobenzene	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
Bromochloromethane	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
Bromodichloromethane	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
Bromoform	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
Bromomethane	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
Carbon Disulfide	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
Carbon tetrachloride	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
Chlorobenzene	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
Chloroethane	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
Chloroform	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
Chloromethane	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
cis-1,3-Dichloropropene	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
Dibromochloromethane	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
Dibromomethane	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
Dichlorodifluoromethane	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
Ethylbenzene	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
Hexachlorobutadiene	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
Isopropylbenzene	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
m&p-Xylene	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
Methyl Ethyl Ketone	ND	30	ug/Kg	1	03/16/23	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	1	03/16/23	JLI	SW8260C
Methylene chloride	ND	12	ug/Kg	1	03/16/23	JLI	SW8260C
Naphthalene	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
n-Butylbenzene	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
n-Propylbenzene	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
o-Xylene	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
p-Isopropyltoluene	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
sec-Butylbenzene	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
Styrene	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
tert-Butylbenzene	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
Tetrachloroethene	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
Tetrahydrofuran (THF)	ND	12	ug/Kg	1	03/16/23	JLI	SW8260C
Toluene	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
Total Xylenes	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	1	03/16/23	JLI	SW8260C
Trichloroethene	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
Trichlorofluoromethane	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
Trichlorotrifluoroethane	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
Vinyl chloride	ND	6.0	ug/Kg	1	03/16/23	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	1	03/16/23	JLI	70 - 130 %

Project ID: JPL-SANDRESPC
Client ID: SB08 GRAB (6.5-7)

Phoenix I.D.: CN59836

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	100		%	1	03/16/23	JLI	70 - 130 %
% Dibromofluoromethane	92		%	1	03/16/23	JLI	70 - 130 %
% Toluene-d8	104		%	1	03/16/23	JLI	70 - 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.

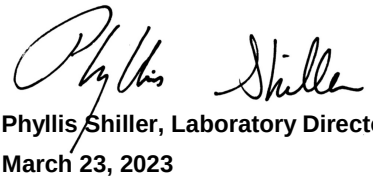
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed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

Comments:

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

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

If 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
March 23, 2023
Reviewed and Released by: Sarah Bell, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 23, 2023

FOR: Attn: Michael Gianco
GIANCO Environmental Services
35 Pinelawn Rd Ste 214E
Melvill, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/13/23	13:55
Location Code:	GIANCO	Received by:	SR1	03/15/23	11:20
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN59813
Phoenix ID: CN59837

Project ID: JPL-SANDRESPC
Client ID: SB08 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.39	0.39	mg/Kg	1	03/18/23	CPP	SW6010D
Aluminum	10100	58	mg/Kg	10	03/17/23	CPP	SW6010D
Arsenic	6.76	0.77	mg/Kg	1	03/18/23	CPP	SW6010D
Barium	1180	0.39	mg/Kg	1	03/18/23	CPP	SW6010D
Beryllium	2.76	0.31	mg/Kg	1	03/18/23	CPP	SW6010D
Calcium	68000	58	mg/Kg	10	03/17/23	CPP	SW6010D
Cadmium	3.19	0.39	mg/Kg	1	03/18/23	CPP	SW6010D
Cobalt	15.5	0.39	mg/Kg	1	03/18/23	CPP	SW6010D
Chromium	48.1	0.39	mg/Kg	1	03/18/23	CPP	SW6010D
Copper	324	7.7	mg/kg	10	03/17/23	CPP	SW6010D
Iron	29600	58	mg/Kg	10	03/17/23	CPP	SW6010D
Mercury	8.32	0.31	mg/Kg	20	03/16/23	PM	SW7471B
Potassium	1870	58	mg/Kg	10	03/17/23	CPP	SW6010D
Magnesium	17900	58	mg/Kg	10	03/17/23	CPP	SW6010D
Manganese	391	3.9	mg/Kg	10	03/17/23	CPP	SW6010D
Sodium	845	5.8	mg/Kg	1	03/18/23	CPP	SW6010D
Nickel	47.5	0.39	mg/Kg	1	03/18/23	CPP	SW6010D
Lead	658	3.9	mg/Kg	10	03/17/23	CPP	SW6010D
Antimony	< 3.9	3.9	mg/Kg	1	03/18/23	CPP	SW6010D
Selenium	< 1.5	1.5	mg/Kg	1	03/18/23	CPP	SW6010D
TCLP Silver	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Aluminum	1.6	1.0	mg/L	1	03/16/23	CPP	SW6010D
TCLP Arsenic	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Barium	1.28	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Beryllium	< 0.040	0.040	mg/L	1	03/16/23	CPP	SW6010D
TCLP Calcium	1600	0.10	mg/L	1	03/16/23	CPP	SW6010D
TCLP Cadmium	< 0.050	0.050	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Cobalt	< 1.0	1.0	mg/L	1	03/16/23	CPP	SW6010D

Ver 2

Project ID: JPL-SANDRESPC
Client ID: SB08 COMPOSITE

Phoenix I.D.: CN59837

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
TCLP Chromium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Copper	0.27	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Iron	0.10	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	03/16/23	AL1	SW846 1311/7470	
TCLP Magnesium	33.6	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Manganese	2.85	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Nickel	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Lead	1.31	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Antimony	< 0.060	0.060	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Selenium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010D	
TCLP Thallium	< 0.050	0.050	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Vanadium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Zinc	7.33	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010D	
Thallium	< 3.5	3.5	mg/Kg	1	03/18/23	CPP	SW6010D	
TCLP Metals Digestion	Completed				03/16/23	W/W	SW3010A	
Vanadium	49.4	0.39	mg/Kg	1	03/18/23	CPP	SW6010D	
Zinc	2730	77	mg/Kg	100	03/20/23	TH	SW6010D	
Percent Solid	84		%		03/15/23	AL	SW846-%Solid	
Corrosivity	Negative		Pos/Neg	1	03/15/23	PK	SW846-Corr	1
Flash Point	>200	200	Degree F	1	03/17/23	G	SW1010B	
Chromium, Hex. (SW3060A digestion	< 0.46	0.46	mg/Kg	1	03/18/23	DK	SW7196A	
Ignitability	Passed	140	degree F	1	03/17/23	G	SW846-Ignit	1
pH at 25C - Soil	9.56	1.00	pH Units	1	03/15/23 21:48	PK	SW846 9045D	1
Reactivity Cyanide	< 6	6	mg/Kg	1	03/17/23	DK/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20	mg/Kg	1	03/17/23	DK/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	03/17/23	DK/GD	SW846-React	1
Redox Potential	110		mV	1	03/15/23	PK	SM2580B-09	1
Mercury Digestion	Completed				03/16/23	AL/AL	SW7471B	
Extraction of NY ETPH	Completed				03/15/23	B/P/M	SW3546	
Soil Extraction for Herbicide	Completed				03/15/23	J/D	SW3546	
Soil Extraction for PCB	Completed				03/15/23	P/B/F	SW3546	
Soil Extraction for SVOA	Completed				03/15/23	B/F	SW3546	
Paint Filter Test	Passed		PASS/FAIL		03/15/23	O	SW9095B	
TCLP Digestion Mercury	Completed				03/16/23	W/W	SW7470A	
TCLP Extraction for Metals	Completed				03/15/23	W	SW1311	
Total Metals Digest	Completed				03/15/23	J/AG	SW3050B	
Gasoline Range Hydrocarbons (C6-C10)								
GRO (C6-C10)	ND	L 6.4	mg/Kg	50	03/16/23	V	SW8015D GRO	
QA/QC Surrogates								
% 2,5-Dibromotoluene (FID)	87		%	50	03/16/23	V	70 - 130 %	
Chlorinated Herbicides								
2,4,5-T	ND	150	ug/Kg	10	03/16/23	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	150	ug/Kg	10	03/16/23	JRB	SW8151A	
2,4-D	ND	290	ug/Kg	10	03/16/23	JRB	SW8151A	
2,4-DB	ND	2900	ug/Kg	10	03/16/23	JRB	SW8151A	
Dalapon	ND	150	ug/Kg	10	03/16/23	JRB	SW8151A	
Dicamba	ND	150	ug/Kg	10	03/16/23	JRB	SW8151A	

Project ID: JPL-SANDRESPC
Client ID: SB08 COMPOSITE

Phoenix I.D.: CN59837

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Dichloroprop	ND	290	ug/Kg	10	03/16/23	JRB	SW8151A	
Dinoseb	ND	290	ug/Kg	10	03/16/23	JRB	SW8151A	
QA/QC Surrogates								
% DCAA	72		%	10	03/16/23	JRB	30 - 150 %	
% DCAA (Confirmation)	106		%	10	03/16/23	JRB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	78	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1221	ND	78	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1232	ND	78	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1242	ND	78	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1248	ND	78	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1254	ND	78	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1260	ND	78	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1262	ND	78	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1268	ND	78	ug/Kg	2	03/16/23	SC	SW8082A	
QA/QC Surrogates								
% DCBP	94		%	2	03/16/23	SC	30 - 150 %	
% DCBP (Confirmation)	87		%	2	03/16/23	SC	30 - 150 %	
% TCMX	84		%	2	03/16/23	SC	30 - 150 %	
% TCMX (Confirmation)	82		%	2	03/16/23	SC	30 - 150 %	
TPH by GC (Extractable (C9-C36))								
Fuel Oil #2 / Diesel Fuel	ND	290	mg/kg	5	03/20/23	JRB	SW8015D DRO	1
Fuel Oil #4	ND	290	mg/kg	5	03/20/23	JRB	SW8015D DRO	1
Fuel Oil #6	ND	290	mg/kg	5	03/20/23	JRB	SW8015D DRO	1
Kerosene	ND	290	mg/kg	5	03/20/23	JRB	SW8015D DRO	1
Motor Oil	ND	290	mg/kg	5	03/20/23	JRB	SW8015D DRO	1
Total TPH	740	290	mg/kg	5	03/20/23	JRB	SW8015D DRO	1
Unidentified	**	290	mg/kg	5	03/20/23	JRB	SW8015D DRO	1
QA/QC Surrogates								
% COD (surr)	Diluted Out		%	5	03/20/23	JRB	50 - 150 %	
% Terphenyl (surr)	Diluted Out		%	5	03/20/23	JRB	50 - 150 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D	
1,2,4-Trichlorobenzene	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D	
1,2-Dichlorobenzene	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D	
1,2-Diphenylhydrazine	ND	390	ug/Kg	1	03/16/23	KCA	SW8270D	
1,3-Dichlorobenzene	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D	
1,4-Dichlorobenzene	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D	1
2,4,5-Trichlorophenol	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D	
2,4,6-Trichlorophenol	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D	
2,4-Dichlorophenol	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D	
2,4-Dimethylphenol	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D	
2,4-Dinitrophenol	ND	390	ug/Kg	1	03/16/23	KCA	SW8270D	
2,4-Dinitrotoluene	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D	
2,6-Dinitrotoluene	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D	
2-Chloronaphthalene	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D	

Project ID: JPL-SANDRESPC
Client ID: SB08 COMPOSITE

Phoenix I.D.: CN59837

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2-Chlorophenol	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
2-Methylnaphthalene	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
2-Methylphenol (o-cresol)	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
2-Nitroaniline	ND	390	ug/Kg	1	03/16/23	KCA	SW8270D
2-Nitrophenol	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	390	ug/Kg	1	03/16/23	KCA	SW8270D
3,3'-Dichlorobenzidine	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
3-Nitroaniline	ND	390	ug/Kg	1	03/16/23	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	390	ug/Kg	1	03/16/23	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	390	ug/Kg	1	03/16/23	KCA	SW8270D
4-Chloro-3-methylphenol	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
4-Chloroaniline	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
4-Nitroaniline	ND	630	ug/Kg	1	03/16/23	KCA	SW8270D
4-Nitrophenol	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
Acenaphthene	430	280	ug/Kg	1	03/16/23	KCA	SW8270D
Acenaphthylene	2400	280	ug/Kg	1	03/16/23	KCA	SW8270D
Acetophenone	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
Aniline	ND	390	ug/Kg	1	03/16/23	KCA	SW8270D
Anthracene	3100	280	ug/Kg	1	03/16/23	KCA	SW8270D
Benz(a)anthracene	9600	2800	ug/Kg	10	03/16/23	KCA	SW8270D
Benzidine	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
Benzo(a)pyrene	9200	2800	ug/Kg	10	03/16/23	KCA	SW8270D
Benzo(b)fluoranthene	11000	2800	ug/Kg	10	03/16/23	KCA	SW8270D
Benzo(ghi)perylene	6000	280	ug/Kg	1	03/16/23	KCA	SW8270D
Benzo(k)fluoranthene	3800	280	ug/Kg	1	03/16/23	KCA	SW8270D
Benzoic acid	ND	790	ug/Kg	1	03/16/23	KCA	SW8270D
Benzyl butyl phthalate	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	390	ug/Kg	1	03/16/23	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	390	ug/Kg	1	03/16/23	KCA	SW8270D
Carbazole	950	390	ug/Kg	1	03/16/23	KCA	SW8270D
Chrysene	9000	2800	ug/Kg	10	03/16/23	KCA	SW8270D
Dibenz(a,h)anthracene	1400	280	ug/Kg	1	03/16/23	KCA	SW8270D
Dibenzofuran	620	280	ug/Kg	1	03/16/23	KCA	SW8270D
Diethyl phthalate	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
Dimethylphthalate	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
Di-n-butylphthalate	ND	390	ug/Kg	1	03/16/23	KCA	SW8270D
Di-n-octylphthalate	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
Fluoranthene	22000	2800	ug/Kg	10	03/16/23	KCA	SW8270D
Fluorene	480	280	ug/Kg	1	03/16/23	KCA	SW8270D
Hexachlorobenzene	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
Hexachlorobutadiene	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
Hexachlorocyclopentadiene	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
Hexachloroethane	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	6600	280	ug/Kg	1	03/16/23	KCA	SW8270D
Isophorone	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
Naphthalene	280	280	ug/Kg	1	03/16/23	KCA	SW8270D
Nitrobenzene	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D

Project ID: JPL-SANDRESPC
Client ID: SB08 COMPOSITE

Phoenix I.D.: CN59837

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
N-Nitrosodimethylamine	ND	390	ug/Kg	1	03/16/23	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
N-Nitrosodiphenylamine	ND	390	ug/Kg	1	03/16/23	KCA	SW8270D
Pentachloronitrobenzene	ND	390	ug/Kg	1	03/16/23	KCA	SW8270D
Pentachlorophenol	ND	390	ug/Kg	1	03/16/23	KCA	SW8270D
Phenanthrene	12000	2800	ug/Kg	10	03/16/23	KCA	SW8270D
Phenol	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
Pyrene	19000	2800	ug/Kg	10	03/16/23	KCA	SW8270D
Pyridine	ND	390	ug/Kg	1	03/16/23	KCA	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	76		%	1	03/16/23	KCA	30 - 130 %
% 2-Fluorobiphenyl	58		%	1	03/16/23	KCA	30 - 130 %
% 2-Fluorophenol	53		%	1	03/16/23	KCA	30 - 130 %
% Nitrobenzene-d5	63		%	1	03/16/23	KCA	30 - 130 %
% Phenol-d5	59		%	1	03/16/23	KCA	30 - 130 %
% Terphenyl-d14	52		%	1	03/16/23	KCA	30 - 130 %
% 2-Fluorobiphenyl (10x)	Diluted Out		%	10	03/16/23	KCA	30 - 130 %
% Nitrobenzene-d5 (10x)	Diluted Out		%	10	03/16/23	KCA	30 - 130 %
% Terphenyl-d14 (10x)	Diluted Out		%	10	03/16/23	KCA	30 - 130 %

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:

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.

The GRO (C6-C10) is quantitated using an gasoline standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

Paint Filter Test:
Pass = no free liquids were detected. Fail = free liquids were detected.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide. This method is no longer listed in the current version of SW-846.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Sulfide. This method is no longer listed in the current version of SW-846.

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the GRO/VPH soil data as biased low.

GRO Analysis Comment:
This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

Hexavalent Chromium:
This sample is in a reducing state.

TPH Comment:
**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C19 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

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
March 23, 2023
Reviewed and Released by: Sarah Bell, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 23, 2023

FOR: Attn: Michael Gianco
GIANCO Environmental Services
35 Pinelawn Rd Ste 214E
Melvill, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/13/23	15:15
Location Code:	GIANCO	Received by:	SR1	03/15/23	11:20
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN59813
Phoenix ID: CN59838

Project ID: JPL-SANDRESPC
Client ID: SB10 GRAB (6-6.5)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Field Extraction	Completed				03/13/23		SW5035A	1
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C	
1,1,1-Trichloroethane	ND	680	ug/Kg	50	03/16/23	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C	
1,1,2-Trichloroethane	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C	
1,1-Dichloroethane	ND	270	ug/Kg	50	03/16/23	JLI	SW8260C	
1,1-Dichloroethene	ND	330	ug/Kg	50	03/16/23	JLI	SW8260C	
1,1-Dichloropropene	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C	
1,2,3-Trichloropropane	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C	
1,2-Dibromoethane	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C	
1,2-Dichlorobenzene	ND	1100	ug/Kg	50	03/16/23	JLI	SW8260C	
1,2-Dichloroethane	ND	20	ug/Kg	50	03/16/23	JLI	SW8260C	
1,2-Dichloropropane	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C	
1,3-Dichlorobenzene	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C	
1,3-Dichloropropane	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C	
1,4-Dichlorobenzene	ND	1800	ug/Kg	50	03/16/23	JLI	SW8260C	
2,2-Dichloropropane	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C	
2-Chlorotoluene	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C	
2-Hexanone	ND	9500	ug/Kg	50	03/16/23	JLI	SW8260C	
2-Isopropyltoluene	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C	1

Project ID: JPL-SANDRESPC
Client ID: SB10 GRAB (6-6.5)

Phoenix I.D.: CN59838

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C
4-Methyl-2-pentanone	ND	9500	ug/Kg	50	03/16/23	JLI	SW8260C
Acetone	ND	50	ug/Kg	50	03/16/23	JLI	SW8260C
Acrylonitrile	ND	3800	ug/Kg	50	03/16/23	JLI	SW8260C
Benzene	ND	60	ug/Kg	50	03/16/23	JLI	SW8260C
Bromobenzene	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C
Bromochloromethane	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C
Bromodichloromethane	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C
Bromoform	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C
Bromomethane	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C
Carbon Disulfide	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C
Carbon tetrachloride	ND	760	ug/Kg	50	03/16/23	JLI	SW8260C
Chlorobenzene	ND	1100	ug/Kg	50	03/16/23	JLI	SW8260C
Chloroethane	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C
Chloroform	ND	370	ug/Kg	50	03/16/23	JLI	SW8260C
Chloromethane	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C
cis-1,2-Dichloroethene	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
cis-1,3-Dichloropropene	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C
Dibromochloromethane	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C
Dibromomethane	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C
Dichlorodifluoromethane	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C
Ethylbenzene	ND	1000	ug/Kg	50	03/16/23	JLI	SW8260C
Hexachlorobutadiene	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C
Isopropylbenzene	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C
m&p-Xylene	850	250	ug/Kg	50	03/16/23	JLI	SW8260C
Methyl Ethyl Ketone	ND	120	ug/Kg	50	03/16/23	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	930	ug/Kg	50	03/16/23	JLI	SW8260C
Methylene chloride	ND	50	ug/Kg	50	03/16/23	JLI	SW8260C
Naphthalene	49000	1900	ug/Kg	50	03/16/23	JLI	SW8260C
n-Butylbenzene	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C
n-Propylbenzene	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C
o-Xylene	ND	250	ug/Kg	50	03/16/23	JLI	SW8260C
p-Isopropyltoluene	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C
sec-Butylbenzene	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C
Styrene	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C
tert-Butylbenzene	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C
Tetrachloroethene	ND	1300	ug/Kg	50	03/16/23	JLI	SW8260C
Tetrahydrofuran (THF)	ND	3800	ug/Kg	50	03/16/23	JLI	SW8260C
Toluene	ND	700	ug/Kg	50	03/16/23	JLI	SW8260C
Total Xylenes	850	250	ug/Kg	50	03/16/23	JLI	SW8260C
trans-1,2-Dichloroethene	ND	190	ug/Kg	50	03/16/23	JLI	SW8260C
trans-1,3-Dichloropropene	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	3800	ug/Kg	50	03/16/23	JLI	SW8260C
Trichloroethene	ND	470	ug/Kg	50	03/16/23	JLI	SW8260C
Trichlorofluoromethane	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C
Trichlorotrifluoroethane	ND	1900	ug/Kg	50	03/16/23	JLI	SW8260C
Vinyl chloride	ND	20	ug/Kg	50	03/16/23	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4 (50x)	99		%	50	03/16/23	JLI	70 - 130 %

Project ID: JPL-SANDRESPC
Client ID: SB10 GRAB (6-6.5)

Phoenix I.D.: CN59838

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene (50x)	99		%	50	03/16/23	JLI	70 - 130 %
% Dibromofluoromethane (50x)	87		%	50	03/16/23	JLI	70 - 130 %
% Toluene-d8 (50x)	100		%	50	03/16/23	JLI	70 - 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
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

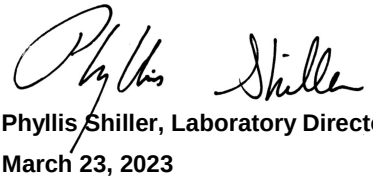
Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:
Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

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
March 23, 2023
Reviewed and Released by: Sarah Bell, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 23, 2023

FOR: Attn: Michael Gianco
GIANCO Environmental Services
35 Pinelawn Rd Ste 214E
Melvill, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/13/23	15:20
Location Code:	GIANCO	Received by:	SR1	03/15/23	11:20
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN59813
Phoenix ID: CN59839

Project ID: JPL-SANDRESPC
Client ID: SB10 COMP

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.40	0.40	mg/Kg	1	03/18/23	CPP	SW6010D
Aluminum	6780	59	mg/Kg	10	03/17/23	CPP	SW6010D
Arsenic	5.97	0.79	mg/Kg	1	03/18/23	CPP	SW6010D
Barium	400	0.40	mg/Kg	1	03/18/23	CPP	SW6010D
Beryllium	0.43	0.32	mg/Kg	1	03/18/23	CPP	SW6010D
Calcium	30000	59	mg/Kg	10	03/17/23	CPP	SW6010D
Cadmium	1.60	0.40	mg/Kg	1	03/18/23	CPP	SW6010D
Cobalt	4.81	0.40	mg/Kg	1	03/18/23	CPP	SW6010D
Chromium	16.1	0.40	mg/Kg	1	03/18/23	CPP	SW6010D
Copper	37.7	0.8	mg/kg	1	03/18/23	CPP	SW6010D
Iron	11700	59	mg/Kg	10	03/17/23	CPP	SW6010D
Mercury	0.66	0.03	mg/Kg	2	03/16/23	PM	SW7471B
Potassium	1000	59	mg/Kg	10	03/17/23	CPP	SW6010D
Magnesium	10800	59	mg/Kg	10	03/17/23	CPP	SW6010D
Manganese	512	4.0	mg/Kg	10	03/17/23	CPP	SW6010D
Sodium	839	5.9	mg/Kg	1	03/18/23	CPP	SW6010D
Nickel	16.8	0.40	mg/Kg	1	03/18/23	CPP	SW6010D
Lead	263	4.0	mg/Kg	10	03/17/23	CPP	SW6010D
Antimony	< 4.0	4.0	mg/Kg	1	03/18/23	CPP	SW6010D
Selenium	< 1.6	1.6	mg/Kg	1	03/18/23	CPP	SW6010D
TCLP Silver	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Aluminum	5.4	1.0	mg/L	1	03/16/23	CPP	SW6010D
TCLP Arsenic	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Barium	1.06	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Beryllium	< 0.040	0.040	mg/L	1	03/16/23	CPP	SW6010D
TCLP Calcium	946	0.10	mg/L	1	03/16/23	CPP	SW6010D
TCLP Cadmium	< 0.050	0.050	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Cobalt	< 1.0	1.0	mg/L	1	03/16/23	CPP	SW6010D

Ver 2

Project ID: JPL-SANDRESPC
Client ID: SB10 COMP

Phoenix I.D.: CN59839

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
TCLP Chromium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Copper	0.13	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Iron	0.67	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	03/16/23	AL1	SW846 1311/7470	
TCLP Magnesium	124	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Manganese	6.62	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Nickel	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Lead	5.72	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Antimony	< 0.060	0.060	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Selenium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010D	
TCLP Thallium	< 0.050	0.050	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Vanadium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Zinc	4.20	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010D	
Thallium	< 3.6	3.6	mg/Kg	1	03/18/23	CPP	SW6010D	
TCLP Metals Digestion	Completed				03/16/23	W/W	SW3010A	
Vanadium	30.2	0.40	mg/Kg	1	03/18/23	CPP	SW6010D	
Zinc	401	7.9	mg/Kg	10	03/17/23	CPP	SW6010D	
Percent Solid	82		%		03/15/23	AL	SW846-%Solid	
Corrosivity	Negative		Pos/Neg	1	03/15/23	PK	SW846-Corr	1
Flash Point	>200	200	Degree F	1	03/17/23	G	SW1010B	
Chromium, Hex. (SW3060A digestion	< 0.46	0.46	mg/Kg	1	03/18/23	DK	SW7196A	
Ignitability	Passed	140	degree F	1	03/17/23	G	SW846-Ignit	1
pH at 25C - Soil	8.95	1.00	pH Units	1	03/15/23 21:48	PK	SW846 9045D	1
Reactivity Cyanide	< 6	6	mg/Kg	1	03/17/23	DK/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20	mg/Kg	1	03/17/23	DK/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	03/17/23	DK/GD	SW846-React	1
Redox Potential	127		mV	1	03/15/23	PK	SM2580B-09	1
Mercury Digestion	Completed				03/16/23	AL/AL	SW7471B	
Extraction of NY ETPH	Completed				03/15/23	B/P/M	SW3546	
Soil Extraction for Herbicide	Completed				03/15/23	J/D	SW3546	
Soil Extraction for PCB	Completed				03/15/23	P/B/F	SW3546	
Soil Extraction for SVOA	Completed				03/15/23	B/F	SW3546	
Paint Filter Test	Passed		PASS/FAIL		03/15/23	O	SW9095B	
TCLP Digestion Mercury	Completed				03/16/23	W/W	SW7470A	
TCLP Extraction for Metals	Completed				03/15/23	W	SW1311	
Total Metals Digest	Completed				03/15/23	J/AG	SW3050B	
Gasoline Range Hydrocarbons (C6-C10)								
GRO (C6-C10)	ND	L 7.1	mg/Kg	50	03/16/23	V	SW8015D GRO	
QA/QC Surrogates								
% 2,5-Dibromotoluene (FID)	82		%	50	03/16/23	V	70 - 130 %	
Chlorinated Herbicides								
2,4,5-T	ND	150	ug/Kg	10	03/16/23	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	150	ug/Kg	10	03/16/23	JRB	SW8151A	
2,4-D	ND	300	ug/Kg	10	03/16/23	JRB	SW8151A	
2,4-DB	ND	3000	ug/Kg	10	03/16/23	JRB	SW8151A	
Dalapon	ND	150	ug/Kg	10	03/16/23	JRB	SW8151A	
Dicamba	ND	150	ug/Kg	10	03/16/23	JRB	SW8151A	

Project ID: JPL-SANDRESPC
Client ID: SB10 COMP

Phoenix I.D.: CN59839

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Dichloroprop	ND	300	ug/Kg	10	03/16/23	JRB	SW8151A	
Dinoseb	ND	300	ug/Kg	10	03/16/23	JRB	SW8151A	
QA/QC Surrogates								
% DCAA	79		%	10	03/16/23	JRB	30 - 150 %	
% DCAA (Confirmation)	108		%	10	03/16/23	JRB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	79	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1221	ND	79	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1232	ND	79	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1242	ND	79	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1248	ND	79	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1254	ND	79	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1260	ND	79	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1262	ND	79	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1268	ND	79	ug/Kg	2	03/16/23	SC	SW8082A	
QA/QC Surrogates								
% DCBP	73		%	2	03/16/23	SC	30 - 150 %	
% DCBP (Confirmation)	66		%	2	03/16/23	SC	30 - 150 %	
% TCMX	77		%	2	03/16/23	SC	30 - 150 %	
% TCMX (Confirmation)	72		%	2	03/16/23	SC	30 - 150 %	
TPH by GC (Extractable (C9-C36))								
Fuel Oil #2 / Diesel Fuel	ND	590	mg/kg	10	03/20/23	JRB	SW8015D DRO	1
Fuel Oil #4	ND	590	mg/kg	10	03/20/23	JRB	SW8015D DRO	1
Fuel Oil #6	ND	590	mg/kg	10	03/20/23	JRB	SW8015D DRO	1
Kerosene	ND	590	mg/kg	10	03/20/23	JRB	SW8015D DRO	1
Motor Oil	ND	590	mg/kg	10	03/20/23	JRB	SW8015D DRO	1
Total TPH	2000	590	mg/kg	10	03/20/23	JRB	SW8015D DRO	1
Unidentified	**	590	mg/kg	10	03/20/23	JRB	SW8015D DRO	1
QA/QC Surrogates								
% COD (surr)	Diluted Out		%	10	03/20/23	JRB	50 - 150 %	
% Terphenyl (surr)	Diluted Out		%	10	03/20/23	JRB	50 - 150 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D	
1,2,4-Trichlorobenzene	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D	
1,2-Dichlorobenzene	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D	
1,2-Diphenylhydrazine	ND	400	ug/Kg	1	03/16/23	KCA	SW8270D	
1,3-Dichlorobenzene	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D	
1,4-Dichlorobenzene	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D	1
2,4,5-Trichlorophenol	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D	
2,4,6-Trichlorophenol	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D	
2,4-Dichlorophenol	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D	
2,4-Dimethylphenol	370	280	ug/Kg	1	03/16/23	KCA	SW8270D	
2,4-Dinitrophenol	ND	400	ug/Kg	1	03/16/23	KCA	SW8270D	
2,4-Dinitrotoluene	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D	
2,6-Dinitrotoluene	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D	
2-Chloronaphthalene	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D	

Project ID: JPL-SANDRESPC
Client ID: SB10 COMP

Phoenix I.D.: CN59839

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2-Chlorophenol	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
2-Methylnaphthalene	2300	280	ug/Kg	1	03/16/23	KCA	SW8270D
2-Methylphenol (o-cresol)	320	280	ug/Kg	1	03/16/23	KCA	SW8270D
2-Nitroaniline	ND	400	ug/Kg	1	03/16/23	KCA	SW8270D
2-Nitrophenol	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	1000	400	ug/Kg	1	03/16/23	KCA	SW8270D
3,3'-Dichlorobenzidine	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
3-Nitroaniline	ND	400	ug/Kg	1	03/16/23	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	400	ug/Kg	1	03/16/23	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	400	ug/Kg	1	03/16/23	KCA	SW8270D
4-Chloro-3-methylphenol	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
4-Chloroaniline	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
4-Nitroaniline	ND	640	ug/Kg	1	03/16/23	KCA	SW8270D
4-Nitrophenol	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
Acenaphthene	5000	280	ug/Kg	1	03/16/23	KCA	SW8270D
Acenaphthylene	2100	280	ug/Kg	1	03/16/23	KCA	SW8270D
Acetophenone	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
Aniline	ND	400	ug/Kg	1	03/16/23	KCA	SW8270D
Anthracene	10000	2800	ug/Kg	10	03/16/23	KCA	SW8270D
Benz(a)anthracene	20000	2800	ug/Kg	10	03/16/23	KCA	SW8270D
Benzidine	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
Benzo(a)pyrene	28000	2800	ug/Kg	10	03/16/23	KCA	SW8270D
Benzo(b)fluoranthene	31000	2800	ug/Kg	10	03/16/23	KCA	SW8270D
Benzo(ghi)perylene	11000	2800	ug/Kg	10	03/16/23	KCA	SW8270D
Benzo(k)fluoranthene	8900	2800	ug/Kg	10	03/16/23	KCA	SW8270D
Benzoic acid	ND	800	ug/Kg	1	03/16/23	KCA	SW8270D
Benzyl butyl phthalate	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	400	ug/Kg	1	03/16/23	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	400	ug/Kg	1	03/16/23	KCA	SW8270D
Carbazole	4200	400	ug/Kg	1	03/16/23	KCA	SW8270D
Chrysene	17000	2800	ug/Kg	10	03/16/23	KCA	SW8270D
Dibenz(a,h)anthracene	4100	280	ug/Kg	1	03/16/23	KCA	SW8270D
Dibenzofuran	4000	280	ug/Kg	1	03/16/23	KCA	SW8270D
Diethyl phthalate	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
Dimethylphthalate	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
Di-n-butylphthalate	ND	400	ug/Kg	1	03/16/23	KCA	SW8270D
Di-n-octylphthalate	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
Fluoranthene	39000	2800	ug/Kg	10	03/16/23	KCA	SW8270D
Fluorene	5600	280	ug/Kg	1	03/16/23	KCA	SW8270D
Hexachlorobenzene	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
Hexachlorobutadiene	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
Hexachlorocyclopentadiene	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
Hexachloroethane	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	14000	2800	ug/Kg	10	03/16/23	KCA	SW8270D
Isophorone	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
Naphthalene	4000	280	ug/Kg	1	03/16/23	KCA	SW8270D
Nitrobenzene	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D

Project ID: JPL-SANDRESPC
Client ID: SB10 COMP

Phoenix I.D.: CN59839

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
N-Nitrosodimethylamine	ND	400	ug/Kg	1	03/16/23	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
N-Nitrosodiphenylamine	ND	400	ug/Kg	1	03/16/23	KCA	SW8270D
Pentachloronitrobenzene	ND	400	ug/Kg	1	03/16/23	KCA	SW8270D
Pentachlorophenol	ND	400	ug/Kg	1	03/16/23	KCA	SW8270D
Phenanthrene	33000	2800	ug/Kg	10	03/16/23	KCA	SW8270D
Phenol	ND	280	ug/Kg	1	03/16/23	KCA	SW8270D
Pyrene	38000	2800	ug/Kg	10	03/16/23	KCA	SW8270D
Pyridine	ND	400	ug/Kg	1	03/16/23	KCA	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	78		%	1	03/16/23	KCA	30 - 130 %
% 2-Fluorobiphenyl	53		%	1	03/16/23	KCA	30 - 130 %
% 2-Fluorophenol	50		%	1	03/16/23	KCA	30 - 130 %
% Nitrobenzene-d5	65		%	1	03/16/23	KCA	30 - 130 %
% Phenol-d5	58		%	1	03/16/23	KCA	30 - 130 %
% Terphenyl-d14	58		%	1	03/16/23	KCA	30 - 130 %
% 2-Fluorobiphenyl (10x)	Diluted Out		%	10	03/16/23	KCA	30 - 130 %
% Nitrobenzene-d5 (10x)	Diluted Out		%	10	03/16/23	KCA	30 - 130 %
% Terphenyl-d14 (10x)	Diluted Out		%	10	03/16/23	KCA	30 - 130 %

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:

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.

The GRO (C6-C10) is quantitated using an gasoline standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

Paint Filter Test:
Pass = no free liquids were detected. Fail = free liquids were detected.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide. This method is no longer listed in the current version of SW-846.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Sulfide. This method is no longer listed in the current version of SW-846.

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the GRO/VPH soil data as biased low.

GRO Analysis Comment:
This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

Hexavalent Chromium:
This sample is in a reducing state.

TPH Comment:
**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C19 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

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
March 23, 2023
Reviewed and Released by: Sarah Bell, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 23, 2023

FOR: Attn: Michael Gianco
GIANCO Environmental Services
35 Pinelawn Rd Ste 214E
Melvill, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/14/23	10:25
Location Code:	GIANCO	Received by:	SR1	03/15/23	11:20
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN59813
Phoenix ID: CN59840

Project ID: JPL-SANDRESPC
Client ID: SB12 GRAB (7.5-8)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Field Extraction	Completed				03/14/23		SW5035A	1
Volatiles								
1,1,1,2-Tetrachloroethane	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1,1-Trichloroethane	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1,2-Trichloroethane	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1-Dichloroethane	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1-Dichloroethene	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1-Dichloropropene	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,3-Trichloropropane	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dibromoethane	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dichlorobenzene	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dichloroethane	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dichloropropane	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,3-Dichlorobenzene	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,3-Dichloropropane	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C	
1,4-Dichlorobenzene	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C	
2,2-Dichloropropane	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C	
2-Chlorotoluene	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C	
2-Hexanone	ND	20	ug/Kg	1	03/16/23	JLI	SW8260C	
2-Isopropyltoluene	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C	1

Project ID: JPL-SANDRESPC
Client ID: SB12 GRAB (7.5-8)

Phoenix I.D.: CN59840

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
4-Methyl-2-pentanone	ND	20	ug/Kg	1	03/16/23	JLI	SW8260C
Acetone	ND	20	ug/Kg	1	03/16/23	JLI	SW8260C
Acrylonitrile	ND	8.1	ug/Kg	1	03/16/23	JLI	SW8260C
Benzene	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
Bromobenzene	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
Bromochloromethane	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
Bromodichloromethane	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
Bromoform	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
Bromomethane	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
Carbon Disulfide	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
Carbon tetrachloride	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
Chlorobenzene	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
Chloroethane	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
Chloroform	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
Chloromethane	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
Dibromochloromethane	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
Dibromomethane	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
Dichlorodifluoromethane	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
Ethylbenzene	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
Hexachlorobutadiene	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
Isopropylbenzene	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
m&p-Xylene	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
Methyl Ethyl Ketone	ND	20	ug/Kg	1	03/16/23	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	8.1	ug/Kg	1	03/16/23	JLI	SW8260C
Methylene chloride	ND	8.1	ug/Kg	1	03/16/23	JLI	SW8260C
Naphthalene	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
n-Butylbenzene	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
n-Propylbenzene	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
o-Xylene	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
p-Isopropyltoluene	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
sec-Butylbenzene	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
Styrene	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
tert-Butylbenzene	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
Tetrachloroethene	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
Tetrahydrofuran (THF)	ND	8.1	ug/Kg	1	03/16/23	JLI	SW8260C
Toluene	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
Total Xylenes	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	8.1	ug/Kg	1	03/16/23	JLI	SW8260C
Trichloroethene	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
Trichlorofluoromethane	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
Vinyl chloride	ND	4.1	ug/Kg	1	03/16/23	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97		%	1	03/16/23	JLI	70 - 130 %

Project ID: JPL-SANDRESPC
Client ID: SB12 GRAB (7.5-8)

Phoenix I.D.: CN59840

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	99		%	1	03/16/23	JLI	70 - 130 %
% Dibromofluoromethane	93		%	1	03/16/23	JLI	70 - 130 %
% Toluene-d8	104		%	1	03/16/23	JLI	70 - 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.

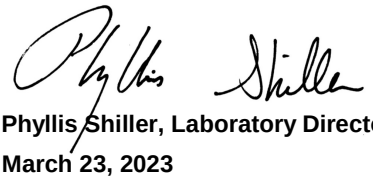
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed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

Comments:

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

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

If 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
March 23, 2023
Reviewed and Released by: Sarah Bell, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 23, 2023

FOR: Attn: Michael Gianco
GIANCO Environmental Services
35 Pinelawn Rd Ste 214E
Melvill, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/14/23	10:30
Location Code:	GIANCO	Received by:	SR1	03/15/23	11:20
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN59813
Phoenix ID: CN59841

Project ID: JPL-SANDRESPC
Client ID: SB12 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.39	0.39	mg/Kg	1	03/18/23	CPP	SW6010D
Aluminum	7810	59	mg/Kg	10	03/17/23	CPP	SW6010D
Arsenic	3.20	0.78	mg/Kg	1	03/18/23	CPP	SW6010D
Barium	62.1	0.39	mg/Kg	1	03/18/23	CPP	SW6010D
Beryllium	0.39	0.31	mg/Kg	1	03/18/23	CPP	SW6010D
Calcium	30500	59	mg/Kg	10	03/17/23	CPP	SW6010D
Cadmium	0.79	0.39	mg/Kg	1	03/18/23	CPP	SW6010D
Cobalt	6.83	0.39	mg/Kg	1	03/18/23	CPP	SW6010D
Chromium	30.1	0.39	mg/Kg	1	03/18/23	CPP	SW6010D
Copper	27.8	0.8	mg/kg	1	03/18/23	CPP	SW6010D
Iron	15300	59	mg/Kg	10	03/17/23	CPP	SW6010D
Mercury	0.09	0.03	mg/Kg	2	03/16/23	PM	SW7471B
Potassium	1180	59	mg/Kg	10	03/17/23	CPP	SW6010D
Magnesium	5080	5.9	mg/Kg	1	03/18/23	CPP	SW6010D
Manganese	263	3.9	mg/Kg	10	03/17/23	CPP	SW6010D
Sodium	296	5.9	mg/Kg	1	03/18/23	CPP	SW6010D
Nickel	20.2	0.39	mg/Kg	1	03/18/23	CPP	SW6010D
Lead	61.9	0.39	mg/Kg	1	03/18/23	CPP	SW6010D
Antimony	< 3.9	3.9	mg/Kg	1	03/18/23	CPP	SW6010D
Selenium	< 1.6	1.6	mg/Kg	1	03/18/23	CPP	SW6010D
TCLP Silver	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Aluminum	< 1.0	1.0	mg/L	1	03/16/23	CPP	SW6010D
TCLP Arsenic	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Barium	0.40	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Beryllium	< 0.040	0.040	mg/L	1	03/16/23	CPP	SW6010D
TCLP Calcium	467	0.10	mg/L	1	03/16/23	CPP	SW6010D
TCLP Cadmium	< 0.050	0.050	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Cobalt	< 1.0	1.0	mg/L	1	03/16/23	CPP	SW6010D

Ver 2

Project ID: JPL-SANDRESPC
Client ID: SB12 COMPOSITE

Phoenix I.D.: CN59841

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
TCLP Chromium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Copper	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Iron	0.82	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	03/16/23	AL1	SW846 1311/7470	
TCLP Magnesium	17.4	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Manganese	1.82	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Nickel	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Lead	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Antimony	< 0.060	0.060	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Selenium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010D	
TCLP Thallium	< 0.050	0.050	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Vanadium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Zinc	0.22	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010D	
Thallium	< 3.5	3.5	mg/Kg	1	03/18/23	CPP	SW6010D	
TCLP Metals Digestion	Completed				03/16/23	W/W	SW3010A	
Vanadium	31.6	0.39	mg/Kg	1	03/18/23	CPP	SW6010D	
Zinc	80.6	0.8	mg/Kg	1	03/18/23	CPP	SW6010D	
Percent Solid	82		%		03/15/23	AL	SW846-%Solid	
Corrosivity	Negative		Pos/Neg	1	03/15/23	PK	SW846-Corr	1
Flash Point	>200	200	Degree F	1	03/17/23	G	SW1010B	
Chromium, Hex. (SW3060A digestion	< 0.43	0.43	mg/Kg	1	03/18/23	DK	SW7196A	
Ignitability	Passed	140	degree F	1	03/17/23	G	SW846-Ignit	1
pH at 25C - Soil	11.8	1.00	pH Units	1	03/15/23 21:48	PK	SW846 9045D	1
Reactivity Cyanide	< 6	6	mg/Kg	1	03/17/23	DK/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20	mg/Kg	1	03/17/23	DK/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	03/17/23	DK/GD	SW846-React	1
Redox Potential	-173		mV	1	03/15/23	PK	SM2580B-09	1
Mercury Digestion	Completed				03/16/23	AL/AL	SW7471B	
Extraction of NY ETPH	Completed				03/15/23	B/P/M	SW3546	
Soil Extraction for Herbicide	Completed				03/15/23	J/D	SW3546	
Soil Extraction for PCB	Completed				03/15/23	P/B/F	SW3546	
Soil Extraction for SVOA	Completed				03/15/23	B/F	SW3546	
Paint Filter Test	Passed		PASS/FAIL		03/15/23	O	SW9095B	
TCLP Digestion Mercury	Completed				03/16/23	W/W	SW7470A	
TCLP Extraction for Metals	Completed				03/15/23	W	SW1311	
Total Metals Digest	Completed				03/15/23	J/AG	SW3050B	
Gasoline Range Hydrocarbons (C6-C10)								
GRO (C6-C10)	ND	L 7.2	mg/Kg	50	03/16/23	V	SW8015D GRO	
QA/QC Surrogates								
% 2,5-Dibromotoluene (FID)	89		%	50	03/16/23	V	70 - 130 %	
Chlorinated Herbicides								
2,4,5-T	ND	150	ug/Kg	10	03/16/23	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	150	ug/Kg	10	03/16/23	JRB	SW8151A	
2,4-D	ND	300	ug/Kg	10	03/16/23	JRB	SW8151A	
2,4-DB	ND	3000	ug/Kg	10	03/16/23	JRB	SW8151A	
Dalapon	ND	150	ug/Kg	10	03/16/23	JRB	SW8151A	
Dicamba	ND	150	ug/Kg	10	03/16/23	JRB	SW8151A	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Dichloroprop	ND	300	ug/Kg	10	03/16/23	JRB	SW8151A	
Dinoseb	ND	300	ug/Kg	10	03/16/23	JRB	SW8151A	
QA/QC Surrogates								
% DCAA	78		%	10	03/16/23	JRB	30 - 150 %	
% DCAA (Confirmation)	106		%	10	03/16/23	JRB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	81	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1221	ND	81	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1232	ND	81	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1242	ND	81	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1248	ND	81	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1254	ND	81	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1260	ND	81	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1262	ND	81	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1268	ND	81	ug/Kg	2	03/16/23	SC	SW8082A	
QA/QC Surrogates								
% DCBP	79		%	2	03/16/23	SC	30 - 150 %	
% DCBP (Confirmation)	74		%	2	03/16/23	SC	30 - 150 %	
% TCMX	88		%	2	03/16/23	SC	30 - 150 %	
% TCMX (Confirmation)	92		%	2	03/16/23	SC	30 - 150 %	
TPH by GC (Extractable (C9-C36))								
Fuel Oil #2 / Diesel Fuel	ND	300	mg/kg	5	03/16/23	JRB	SW8015D DRO	1
Fuel Oil #4	ND	300	mg/kg	5	03/16/23	JRB	SW8015D DRO	1
Fuel Oil #6	ND	300	mg/kg	5	03/16/23	JRB	SW8015D DRO	1
Kerosene	ND	300	mg/kg	5	03/16/23	JRB	SW8015D DRO	1
Motor Oil	ND	300	mg/kg	5	03/16/23	JRB	SW8015D DRO	1
Total TPH	ND	300	mg/kg	5	03/16/23	JRB	SW8015D DRO	1
Unidentified	ND	300	mg/kg	5	03/16/23	JRB	SW8015D DRO	1
QA/QC Surrogates								
% COD (surr)	81		%	5	03/16/23	JRB	50 - 150 %	
% Terphenyl (surr)	86		%	5	03/16/23	JRB	50 - 150 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
1,2,4-Trichlorobenzene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
1,2-Dichlorobenzene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
1,2-Diphenylhydrazine	ND	400	ug/Kg	1	03/16/23	AW	SW8270D	
1,3-Dichlorobenzene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
1,4-Dichlorobenzene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	1
2,4,5-Trichlorophenol	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
2,4,6-Trichlorophenol	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
2,4-Dichlorophenol	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
2,4-Dimethylphenol	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
2,4-Dinitrophenol	ND	400	ug/Kg	1	03/16/23	AW	SW8270D	
2,4-Dinitrotoluene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
2,6-Dinitrotoluene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
2-Chloronaphthalene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	

Project ID: JPL-SANDRESPC
Client ID: SB12 COMPOSITE

Phoenix I.D.: CN59841

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2-Chlorophenol	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
2-Methylnaphthalene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
2-Methylphenol (o-cresol)	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
2-Nitroaniline	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
2-Nitrophenol	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
3,3'-Dichlorobenzidine	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
3-Nitroaniline	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
4,6-Dinitro-2-methylphenol	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
4-Bromophenyl phenyl ether	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
4-Chloro-3-methylphenol	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
4-Chloroaniline	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
4-Chlorophenyl phenyl ether	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
4-Nitroaniline	ND	650	ug/Kg	1	03/16/23	AW	SW8270D
4-Nitrophenol	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Acenaphthene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Acenaphthylene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Acetophenone	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Aniline	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
Anthracene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Benz(a)anthracene	550	280	ug/Kg	1	03/16/23	AW	SW8270D
Benzidine	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Benzo(a)pyrene	500	280	ug/Kg	1	03/16/23	AW	SW8270D
Benzo(b)fluoranthene	580	280	ug/Kg	1	03/16/23	AW	SW8270D
Benzo(ghi)perylene	350	280	ug/Kg	1	03/16/23	AW	SW8270D
Benzo(k)fluoranthene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Benzoic acid	ND	810	ug/Kg	1	03/16/23	AW	SW8270D
Benzyl butyl phthalate	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Bis(2-chloroethoxy)methane	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Bis(2-chloroethyl)ether	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
Bis(2-ethylhexyl)phthalate	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
Carbazole	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
Chrysene	490	280	ug/Kg	1	03/16/23	AW	SW8270D
Dibenz(a,h)anthracene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Dibenzofuran	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Diethyl phthalate	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Dimethylphthalate	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Di-n-butylphthalate	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
Di-n-octylphthalate	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Fluoranthene	1200	280	ug/Kg	1	03/16/23	AW	SW8270D
Fluorene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Hexachlorobenzene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Hexachlorobutadiene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Hexachlorocyclopentadiene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Hexachloroethane	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Indeno(1,2,3-cd)pyrene	340	280	ug/Kg	1	03/16/23	AW	SW8270D
Isophorone	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Naphthalene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Nitrobenzene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D

Project ID: JPL-SANDRESPC
Client ID: SB12 COMPOSITE

Phoenix I.D.: CN59841

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
N-Nitrosodimethylamine	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
N-Nitrosodi-n-propylamine	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
N-Nitrosodiphenylamine	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
Pentachloronitrobenzene	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
Pentachlorophenol	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
Phenanthrene	1200	280	ug/Kg	1	03/16/23	AW	SW8270D
Phenol	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Pyrene	1000	280	ug/Kg	1	03/16/23	AW	SW8270D
Pyridine	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	62		%	1	03/16/23	AW	30 - 130 %
% 2-Fluorobiphenyl	66		%	1	03/16/23	AW	30 - 130 %
% 2-Fluorophenol	46		%	1	03/16/23	AW	30 - 130 %
% Nitrobenzene-d5	68		%	1	03/16/23	AW	30 - 130 %
% Phenol-d5	62		%	1	03/16/23	AW	30 - 130 %
% Terphenyl-d14	64		%	1	03/16/23	AW	30 - 130 %

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:

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.

The GRO (C6-C10) is quantitated using an gasoline standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

Paint Filter Test:
Pass = no free liquids were detected. Fail = free liquids were detected.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide. This method is no longer listed in the current version of SW-846.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Sulfide. This method is no longer listed in the current version of SW-846.

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the GRO/VPH soil data as biased low.

GRO Analysis Comment:
This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

Hexavalent Chromium:
This sample is in a reducing state.

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
March 23, 2023
Reviewed and Released by: Sarah Bell, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 23, 2023

FOR: Attn: Michael Gianco
GIANCO Environmental Services
35 Pinelawn Rd Ste 214E
Melvill, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/14/23	11:50
Location Code:	GIANCO	Received by:	SR1	03/15/23	11:20
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN59813
Phoenix ID: CN59842

Project ID: JPL-SANDRESPC
Client ID: SB14 GRAB (7.5-8)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Field Extraction	Completed				03/14/23		SW5035A	1
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1-Dichloroethane	ND	5.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1-Dichloroethene	ND	5.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,1-Dichloropropene	ND	5.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dibromoethane	ND	5.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dichloroethane	ND	5.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,2-Dichloropropane	ND	5.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,3-Dichloropropane	ND	5.9	ug/Kg	1	03/16/23	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.9	ug/Kg	1	03/16/23	JLI	SW8260C	
2,2-Dichloropropane	ND	5.9	ug/Kg	1	03/16/23	JLI	SW8260C	
2-Chlorotoluene	ND	5.9	ug/Kg	1	03/16/23	JLI	SW8260C	
2-Hexanone	ND	30	ug/Kg	1	03/16/23	JLI	SW8260C	
2-Isopropyltoluene	ND	5.9	ug/Kg	1	03/16/23	JLI	SW8260C	1

Project ID: JPL-SANDRESPC
Client ID: SB14 GRAB (7.5-8)

Phoenix I.D.: CN59842

Parameter	Result		RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
4-Methyl-2-pentanone	ND		30	ug/Kg	1	03/16/23	JLI	SW8260C
Acetone	56	S	30	ug/Kg	1	03/16/23	JLI	SW8260C
Acrylonitrile	ND		12	ug/Kg	1	03/16/23	JLI	SW8260C
Benzene	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
Bromobenzene	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
Bromochloromethane	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
Bromodichloromethane	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
Bromoform	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
Bromomethane	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
Carbon Disulfide	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
Carbon tetrachloride	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
Chlorobenzene	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
Chloroethane	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
Chloroform	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
Chloromethane	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
cis-1,2-Dichloroethene	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
cis-1,3-Dichloropropene	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
Dibromochloromethane	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
Dibromomethane	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
Dichlorodifluoromethane	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
Ethylbenzene	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
Hexachlorobutadiene	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
Isopropylbenzene	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
m&p-Xylene	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
Methyl Ethyl Ketone	ND		30	ug/Kg	1	03/16/23	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		12	ug/Kg	1	03/16/23	JLI	SW8260C
Methylene chloride	ND		12	ug/Kg	1	03/16/23	JLI	SW8260C
Naphthalene	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
n-Butylbenzene	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
n-Propylbenzene	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
o-Xylene	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
p-Isopropyltoluene	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
sec-Butylbenzene	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
Styrene	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
tert-Butylbenzene	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
Tetrachloroethene	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
Tetrahydrofuran (THF)	ND		12	ug/Kg	1	03/16/23	JLI	SW8260C
Toluene	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
Total Xylenes	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
trans-1,2-Dichloroethene	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
trans-1,3-Dichloropropene	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND		12	ug/Kg	1	03/16/23	JLI	SW8260C
Trichloroethene	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
Trichlorofluoromethane	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
Trichlorotrifluoroethane	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
Vinyl chloride	ND		5.9	ug/Kg	1	03/16/23	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	95			%	1	03/16/23	JLI	70 - 130 %

Project ID: JPL-SANDRESPC
Client ID: SB14 GRAB (7.5-8)

Phoenix I.D.: CN59842

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	95		%	1	03/16/23	JLI	70 - 130 %
% Dibromofluoromethane	92		%	1	03/16/23	JLI	70 - 130 %
% Toluene-d8	101		%	1	03/16/23	JLI	70 - 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
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

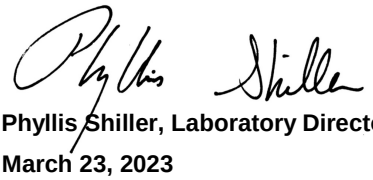
Comments:

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

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

S - Laboratory solvent, contamination is possible.

If 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

March 23, 2023

Reviewed and Released by: Sarah Bell, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 23, 2023

FOR: Attn: Michael Gianco
GIANCO Environmental Services
35 Pinelawn Rd Ste 214E
Melvill, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/14/23	11:55
Location Code:	GIANCO	Received by:	SR1	03/15/23	11:20
Rush Request:	5 Day	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN59813
Phoenix ID: CN59843

Project ID: JPL-SANDRESPC
Client ID: SB14 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.42	0.42	mg/Kg	1	03/18/23	TH	SW6010D
Aluminum	11600	63	mg/Kg	10	03/17/23	CPP	SW6010D
Arsenic	4.38	0.84	mg/Kg	1	03/18/23	CPP	SW6010D
Barium	62.9	0.42	mg/Kg	1	03/18/23	CPP	SW6010D
Beryllium	0.44	0.33	mg/Kg	1	03/18/23	CPP	SW6010D
Calcium	1120	6.3	mg/Kg	1	03/18/23	CPP	SW6010D
Cadmium	0.93	0.42	mg/Kg	1	03/18/23	CPP	SW6010D
Cobalt	7.38	0.42	mg/Kg	1	03/18/23	CPP	SW6010D
Chromium	16.9	0.42	mg/Kg	1	03/18/23	CPP	SW6010D
Copper	15.4	0.8	mg/kg	1	03/18/23	CPP	SW6010D
Iron	17900	63	mg/Kg	10	03/17/23	CPP	SW6010D
Mercury	0.04	0.03	mg/Kg	2	03/16/23	PM	SW7471B
Potassium	1040	63	mg/Kg	10	03/17/23	CPP	SW6010D
Magnesium	2180	6.3	mg/Kg	1	03/18/23	CPP	SW6010D
Manganese	341	4.2	mg/Kg	10	03/17/23	CPP	SW6010D
Sodium	562	6.3	mg/Kg	1	03/18/23	CPP	SW6010D
Nickel	15.3	0.42	mg/Kg	1	03/18/23	CPP	SW6010D
Lead	10.7	0.42	mg/Kg	1	03/18/23	CPP	SW6010D
Antimony	< 4.2	4.2	mg/Kg	1	03/18/23	CPP	SW6010D
Selenium	< 1.7	1.7	mg/Kg	1	03/18/23	CPP	SW6010D
TCLP Silver	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Aluminum	< 1.0	1.0	mg/L	1	03/16/23	CPP	SW6010D
TCLP Arsenic	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Barium	0.35	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Beryllium	< 0.040	0.040	mg/L	1	03/16/23	CPP	SW6010D
TCLP Calcium	42.6	0.10	mg/L	1	03/16/23	CPP	SW6010D
TCLP Cadmium	< 0.050	0.050	mg/L	1	03/16/23	CPP	SW846 1311/6010
TCLP Cobalt	< 1.0	1.0	mg/L	1	03/16/23	CPP	SW6010D

Ver 2

Project ID: JPL-SANDRESPC
Client ID: SB14 COMPOSITE

Phoenix I.D.: CN59843

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
TCLP Chromium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Copper	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Iron	0.11	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	03/16/23	AL1	SW846 1311/7470	
TCLP Magnesium	3.29	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Manganese	1.57	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Nickel	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Lead	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010	
TCLP Antimony	< 0.060	0.060	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Selenium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010D	
TCLP Thallium	< 0.050	0.050	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Vanadium	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW6010D	
TCLP Zinc	< 0.10	0.10	mg/L	1	03/16/23	CPP	SW846 1311/6010D	
Thallium	< 3.8	3.8	mg/Kg	1	03/18/23	CPP	SW6010D	
TCLP Metals Digestion	Completed				03/16/23	W/W	SW3010A	
Vanadium	24.9	0.42	mg/Kg	1	03/18/23	CPP	SW6010D	
Zinc	31.2	0.8	mg/Kg	1	03/18/23	CPP	SW6010D	
Percent Solid	82		%		03/15/23	AL	SW846-%Solid	
Corrosivity	Negative		Pos/Neg	1	03/15/23	PK	SW846-Corr	1
Flash Point	>200	200	Degree F	1	03/17/23	G	SW1010B	
Chromium, Hex. (SW3060A digestion	< 0.45	0.45	mg/Kg	1	03/18/23	DK	SW7196A	
Ignitability	Passed	140	degree F	1	03/17/23	G	SW846-Ignit	1
pH at 25C - Soil	7.69	1.00	pH Units	1	03/15/23 21:48	PK	SW846 9045D	1
Reactivity Cyanide	< 6	6	mg/Kg	1	03/17/23	DK/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20	mg/Kg	1	03/17/23	DK/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	03/17/23	DK/GD	SW846-React	1
Redox Potential	-148		mV	1	03/15/23	PK	SM2580B-09	1
Mercury Digestion	Completed				03/16/23	AL/AL	SW7471B	
Extraction of NY ETPH	Completed				03/15/23	B/P/M	SW3546	
Soil Extraction for Herbicide	Completed				03/15/23	J/D	SW3546	
Soil Extraction for PCB	Completed				03/15/23	P/B/F	SW3546	
Soil Extraction for SVOA	Completed				03/15/23	B/F	SW3546	
Paint Filter Test	Passed		PASS/FAIL		03/15/23	O	SW9095B	
TCLP Digestion Mercury	Completed				03/16/23	W/W	SW7470A	
TCLP Extraction for Metals	Completed				03/15/23	W	SW1311	
Total Metals Digest	Completed				03/15/23	J/AG	SW3050B	
Gasoline Range Hydrocarbons (C6-C10)								
GRO (C6-C10)	ND	L 7.2	mg/Kg	50	03/16/23	V	SW8015D GRO	
QA/QC Surrogates								
% 2,5-Dibromotoluene (FID)	83		%	50	03/16/23	V	70 - 130 %	
Chlorinated Herbicides								
2,4,5-T	ND	150	ug/Kg	10	03/16/23	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	150	ug/Kg	10	03/16/23	JRB	SW8151A	
2,4-D	ND	300	ug/Kg	10	03/16/23	JRB	SW8151A	
2,4-DB	ND	3000	ug/Kg	10	03/16/23	JRB	SW8151A	
Dalapon	ND	150	ug/Kg	10	03/16/23	JRB	SW8151A	
Dicamba	ND	150	ug/Kg	10	03/16/23	JRB	SW8151A	

Project ID: JPL-SANDRESPC
Client ID: SB14 COMPOSITE

Phoenix I.D.: CN59843

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Dichloroprop	ND	300	ug/Kg	10	03/16/23	JRB	SW8151A	
Dinoseb	ND	300	ug/Kg	10	03/16/23	JRB	SW8151A	
QA/QC Surrogates								
% DCAA	85		%	10	03/16/23	JRB	30 - 150 %	
% DCAA (Confirmation)	121		%	10	03/16/23	JRB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	79	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1221	ND	79	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1232	ND	79	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1242	ND	79	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1248	ND	79	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1254	ND	79	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1260	ND	79	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1262	ND	79	ug/Kg	2	03/16/23	SC	SW8082A	
PCB-1268	ND	79	ug/Kg	2	03/16/23	SC	SW8082A	
QA/QC Surrogates								
% DCBP	73		%	2	03/16/23	SC	30 - 150 %	
% DCBP (Confirmation)	72		%	2	03/16/23	SC	30 - 150 %	
% TCMX	73		%	2	03/16/23	SC	30 - 150 %	
% TCMX (Confirmation)	81		%	2	03/16/23	SC	30 - 150 %	
TPH by GC (Extractable (C9-C36))								
Fuel Oil #2 / Diesel Fuel	ND	61	mg/kg	1	03/16/23	JRB	SW8015D DRO	1
Fuel Oil #4	ND	61	mg/kg	1	03/16/23	JRB	SW8015D DRO	1
Fuel Oil #6	ND	61	mg/kg	1	03/16/23	JRB	SW8015D DRO	1
Kerosene	ND	61	mg/kg	1	03/16/23	JRB	SW8015D DRO	1
Motor Oil	ND	61	mg/kg	1	03/16/23	JRB	SW8015D DRO	1
Total TPH	ND	61	mg/kg	1	03/16/23	JRB	SW8015D DRO	1
Unidentified	ND	61	mg/kg	1	03/16/23	JRB	SW8015D DRO	1
QA/QC Surrogates								
% COD (surr)	71		%	1	03/16/23	JRB	50 - 150 %	
% Terphenyl (surr)	76		%	1	03/16/23	JRB	50 - 150 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
1,2,4-Trichlorobenzene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
1,2-Dichlorobenzene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
1,2-Diphenylhydrazine	ND	400	ug/Kg	1	03/16/23	AW	SW8270D	
1,3-Dichlorobenzene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
1,4-Dichlorobenzene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	1
2,4,5-Trichlorophenol	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
2,4,6-Trichlorophenol	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
2,4-Dichlorophenol	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
2,4-Dimethylphenol	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
2,4-Dinitrophenol	ND	400	ug/Kg	1	03/16/23	AW	SW8270D	
2,4-Dinitrotoluene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
2,6-Dinitrotoluene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	
2-Chloronaphthalene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D	

Project ID: JPL-SANDRESPC
Client ID: SB14 COMPOSITE

Phoenix I.D.: CN59843

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2-Chlorophenol	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
2-Methylnaphthalene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
2-Methylphenol (o-cresol)	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
2-Nitroaniline	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
2-Nitrophenol	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
3,3'-Dichlorobenzidine	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
3-Nitroaniline	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
4,6-Dinitro-2-methylphenol	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
4-Bromophenyl phenyl ether	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
4-Chloro-3-methylphenol	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
4-Chloroaniline	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
4-Chlorophenyl phenyl ether	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
4-Nitroaniline	ND	650	ug/Kg	1	03/16/23	AW	SW8270D
4-Nitrophenol	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Acenaphthene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Acenaphthylene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Acetophenone	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Aniline	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
Anthracene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Benz(a)anthracene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Benzidine	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Benzo(a)pyrene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Benzo(b)fluoranthene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Benzo(ghi)perylene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Benzo(k)fluoranthene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Benzoic acid	ND	810	ug/Kg	1	03/16/23	AW	SW8270D
Benzyl butyl phthalate	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Bis(2-chloroethoxy)methane	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Bis(2-chloroethyl)ether	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
Bis(2-ethylhexyl)phthalate	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
Carbazole	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
Chrysene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Dibenz(a,h)anthracene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Dibenzofuran	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Diethyl phthalate	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Dimethylphthalate	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Di-n-butylphthalate	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
Di-n-octylphthalate	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Fluoranthene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Fluorene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Hexachlorobenzene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Hexachlorobutadiene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Hexachlorocyclopentadiene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Hexachloroethane	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Indeno(1,2,3-cd)pyrene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Isophorone	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Naphthalene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Nitrobenzene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D

Project ID: JPL-SANDRESPC
Client ID: SB14 COMPOSITE

Phoenix I.D.: CN59843

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
N-Nitrosodimethylamine	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
N-Nitrosodi-n-propylamine	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
N-Nitrosodiphenylamine	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
Pentachloronitrobenzene	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
Pentachlorophenol	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
Phenanthrene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Phenol	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Pyrene	ND	280	ug/Kg	1	03/16/23	AW	SW8270D
Pyridine	ND	400	ug/Kg	1	03/16/23	AW	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	76		%	1	03/16/23	AW	30 - 130 %
% 2-Fluorobiphenyl	59		%	1	03/16/23	AW	30 - 130 %
% 2-Fluorophenol	51		%	1	03/16/23	AW	30 - 130 %
% Nitrobenzene-d5	61		%	1	03/16/23	AW	30 - 130 %
% Phenol-d5	56		%	1	03/16/23	AW	30 - 130 %
% Terphenyl-d14	52		%	1	03/16/23	AW	30 - 130 %

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:

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.

The GRO (C6-C10) is quantitated using an gasoline standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

Paint Filter Test:
Pass = no free liquids were detected. Fail = free liquids were detected.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide. This method is no longer listed in the current version of SW-846.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Sulfide. This method is no longer listed in the current version of SW-846.

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the GRO/VPH soil data as biased low.

GRO Analysis Comment:
This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

Hexavalent Chromium:
This sample is in a reducing state.

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
March 23, 2023
Reviewed and Released by: Sarah Bell, Project Manager

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

NY # 11301

QA/QC Report

March 23, 2023

QA/QC Data

SDG I.D.: GCN59813

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 668733 (mg/kg), QC Sample No: CN59839 40X (CN59827, CN59829, CN59831, CN59833, CN59835, CN59837, CN59839, CN59841, CN59843)														
Chromium, Hexavalent - Soil														
Chromium, Hexavalent	BRL	0.40	<0.46	<0.44	NC	95.7						85 - 115	30	
Chromium, Hexavalent (Ins)						93.8			96.3			85 - 115	30	
Chromium, Hexavalent (Sol)						90.9			<10			85 - 115	30	m
Comment:														
The QC sample is in a reducing state, acceptance criteria are not applicable for samples in a reducing state. The soluble spike was analyzed twice with similar recoveries.														
QA/QC Batch 668299 (mg/kg), QC Sample No: CN60728 40X (CN59816, CN59822, CN59825)														
Chromium, Hexavalent - Soil														
Chromium, Hexavalent	BRL	0.40	<0.43	<0.43	NC	97.2						85 - 115	30	
Chromium, Hexavalent (Ins)						104			89.3			85 - 115	30	
Chromium, Hexavalent (Sol)						96.5			10.9			85 - 115	30	m
Comment:														
The QC sample is in a reducing state, acceptance criteria are not applicable for samples in a reducing state. The soluble spike was analyzed twice with similar recoveries.														
QA/QC Batch 668266 (mg/kg), QC Sample No: CN59816 2X (CN59816, CN59822, CN59825, CN59827, CN59829, CN59831, CN59833, CN59835)														
Mercury - Soil	BRL	0.03	0.07	0.05	NC	104	109	4.7	121	101	18.0	70 - 130	30	
Comment:														
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.														
QA/QC Batch 668268 (mg/L), QC Sample No: CN59816 (CN59816, CN59822, CN59825, CN59827, CN59829, CN59831, CN59833, CN59835, CN59837, CN59839, CN59841, CN59843)														
Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	107			111			80 - 120	20	
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 668267 (mg/L), QC Sample No: CN59975 (CN59817, CN59818, CN59819, CN59820)														
Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	98.4			99.2			80 - 120	20	
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 668291 (mg/kg), QC Sample No: CN60297 2X (CN59837, CN59839, CN59841, CN59843)														
Mercury - Soil	BRL	0.02	0.13	0.12	8.00	102	108	5.7	116	130	11.4	70 - 130	30	m
Comment:														
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.														
QA/QC Batch 668148 (mg/L), QC Sample No: CN59347 (CN59817, CN59818, CN59819, CN59820)														
ICP Metals - Aqueous														
Cadmium	BRL	0.001	<0.001	<0.001	NC	91.0	93.0	2.2	90.6			80 - 120	20	
Chromium	BRL	0.001	<0.001	<0.001	NC	98.6	99.3	0.7	99.1			80 - 120	20	
Lead	BRL	0.001	<0.001	<0.001	NC	102	102	0.0	102			80 - 120	20	
Nickel	BRL	0.001	<0.001	<0.001	NC	103	103	0.0	103			80 - 120	20	

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Zinc	BRL	0.004	0.005	0.005	NC	93.8	94.5	0.7	95.6			80 - 120	20	
Comment:														
Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.														
QA/QC Batch 668262 (mg/L), QC Sample No: CN59766 (CN59816, CN59822, CN59825, CN59827, CN59829, CN59831, CN59833, CN59835, CN59837, CN59839, CN59841, CN59843)														
ICP Metals - TCLP Extraction														
Aluminum	BRL	0.10	8.97	8.74	2.60	106	107	0.9	NC			80 - 120	20	
Antimony	BRL	0.006	0.007	<0.006	NC	105	106	0.9	107			80 - 120	20	
Arsenic	BRL	0.05	0.02	<0.05	NC	112	114	1.8	116			80 - 120	20	
Barium	BRL	0.01	0.42	0.41	2.40	107	107	0.0	106			80 - 120	20	
Beryllium	BRL	0.004	<0.004	<0.004	NC	109	110	0.9	108			80 - 120	20	
Cadmium	BRL	0.005	<0.005	<0.005	NC	107	107	0.0	101			80 - 120	20	
Calcium	BRL	0.010	1260	1230	2.40	107	107	0.0	NC			80 - 120	20	
Chromium	BRL	0.010	0.039	0.039	NC	105	105	0.0	103			80 - 120	20	
Cobalt	BRL	0.10	<0.10	<0.10	NC	105	105	0.0	104			80 - 120	20	
Copper	BRL	0.010	0.173	0.175	1.10	110	110	0.0	115			80 - 120	20	
Iron	BRL	0.05	1.24	1.22	1.60	104	104	0.0	91.7			80 - 120	20	
Lead	BRL	0.010	100	91.8	8.60	106	106	0.0	NC			80 - 120	20	
Magnesium	BRL	0.010	32.2	31.3	2.80	109	109	0.0	NC			80 - 120	20	
Manganese	BRL	0.01	2.13	2.08	2.40	104	104	0.0	97.1			80 - 120	20	
Nickel	BRL	0.010	0.048	0.050	NC	104	104	0.0	100			80 - 120	20	
Selenium	BRL	0.05	0.03	<0.05	NC	117	118	0.9	117			80 - 120	20	
Silver	BRL	0.010	<0.010	<0.010	NC	112	112	0.0	117			80 - 120	20	
Thallium	BRL	0.005	<0.005	<0.005	NC	104	104	0.0	102			80 - 120	20	
Vanadium	BRL	0.010	<0.010	<0.010	NC	106	106	0.0	107			80 - 120	20	
Zinc	BRL	0.010	6.97	6.81	2.30	107	106	0.9	NC			80 - 120	20	
Comment:														
Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.														
QA/QC Batch 668153 (mg/kg), QC Sample No: CN59816 (CN59816, CN59822, CN59825, CN59827, CN59829, CN59831, CN59833, CN59835, CN59837, CN59839, CN59841, CN59843)														
ICP Metals - Soil														
Aluminum	BRL	5.0	8910	8600	3.50	94.2	107	12.7	NC			75 - 125	35	
Antimony	BRL	3.3	<4.0	<4.2	NC	90.2	97.4	7.7	89.9			75 - 125	35	
Arsenic	BRL	0.67	2.55	2.09	NC	103	108	4.7	93.1			75 - 125	35	
Barium	BRL	0.33	43.9	41.6	5.40	109	117	7.1	106			75 - 125	35	
Beryllium	BRL	0.27	0.44	0.41	NC	99.9	107	6.9	91.5			75 - 125	35	
Cadmium	BRL	0.33	0.86	0.81	NC	98.1	105	6.8	94.8			75 - 125	35	
Calcium	BRL	5.0	1050	1140	8.20	95.8	104	8.2	NC			75 - 125	35	
Chromium	BRL	0.33	13.5	12.3	9.30	103	110	6.6	96.9			75 - 125	35	
Cobalt	BRL	0.33	7.16	6.25	13.6	99.3	106	6.5	95.3			75 - 125	35	
Copper	BRL	0.67	44.7	15.2	98.5	100	108	7.7	87.2			75 - 125	35	r
Iron	BRL	5.0	16300	15300	6.30	86.4	93.2	7.6	NC			75 - 125	35	
Lead	BRL	0.33	16.8	13.5	21.8	105	110	4.7	106			75 - 125	35	
Magnesium	BRL	5.0	3180	2820	12.0	99.9	109	8.7	NC			75 - 125	35	
Manganese	BRL	0.33	295	320	8.10	100	109	8.6	81.2			75 - 125	35	
Nickel	BRL	0.33	16.1	15.2	5.80	97.2	104	6.8	91.1			75 - 125	35	
Potassium	BRL	5.0	1110	1040	6.50	107	115	7.2	>130			75 - 125	35	m
Selenium	BRL	1.3	<1.6	<1.7	NC	107	114	6.3	95.7			75 - 125	35	
Silver	BRL	0.33	<0.40	<0.42	NC	103	109	5.7	95.5			75 - 125	35	
Sodium	BRL	5.0	320	303	5.50	103	111	7.5	126			75 - 125	35	m
Thallium	BRL	3.0	<3.6	<3.8	NC	103	109	5.7	93.0			75 - 125	35	
Vanadium	BRL	0.33	19.6	16.6	16.6	103	111	7.5	98.4			75 - 125	35	

QA/QC Data

SDG I.D.: GCN59813

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Zinc	BRL	0.67	38.6	35.5	8.40	103	109	5.7	96.9			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.

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

March 23, 2023

QA/QC Data

SDG I.D.: GCN59813

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 668297 (mg/Kg), QC Sample No: CN59816 5X (CN59816, CN59822, CN59825, CN59827, CN59829, CN59831, CN59833, CN59835, CN59837, CN59839, CN59841, CN59843)													
Reactivity Cyanide	BRL	5	<6	<5.8	NC	94.6						85 - 115	30
Reactivity Sulfide	BRL	20	<20	<20	NC	91.8						80 - 120	30
QA/QC Batch 668277 (mg/L), QC Sample No: CN59756 (CN59817, CN59818, CN59819, CN59820)													
Total Suspended Solids	BRL	2.5	2.4	<2.0	NC	96.0						85 - 115	20
QA/QC Batch 668493 (mg/L), QC Sample No: CN59788 (CN59817, CN59818, CN59819, CN59820)													
O&G, Non-polar Material	BRL	1.4				93.0	94.0	1.1				85 - 115	20
Comment:													
A Blank spike was performed instead of a matrix spike													
Additional criteria matrix spike acceptance range is 75-125%.													
QA/QC Batch 668239 (PH), QC Sample No: CN59816 (CN59816, CN59818, CN59822, CN59825, CN59827, CN59829, CN59831, CN59833, CN59835, CN59837, CN59839, CN59841, CN59843)													
pH			7.93	7.90	0.40	101						85 - 115	20
QA/QC Batch 668240 (mV), QC Sample No: CN59816 (CN59816, CN59818, CN59822, CN59825, CN59827, CN59829, CN59831, CN59833, CN59835, CN59837, CN59839, CN59841, CN59843)													
Redox Potential			266	265	NC	102						75 - 125	30
Comment:													
Additional criteria matrix spike acceptance range is 75-125%.													
QA/QC Batch 668362 (pH), QC Sample No: CN59819 (CN59817, CN59819, CN59820)													
pH			7.29	7.21	1.10	97.8						85 - 115	20
QA/QC Batch 668823 (Degree F), QC Sample No: CN60370 (CN59817, CN59818, CN59819, CN59820)													
Flash Point			>200	>200	NC	101						75 - 125	30
Comment:													
Additional criteria matrix spike acceptance range is 75-125%.													
QA/QC Batch 668582 (Degree F), QC Sample No: CN61010 (CN59843)													
Flash Point			>200	>200	NC	100						75 - 125	30
Comment:													
Additional criteria matrix spike acceptance range is 75-125%.													
QA/QC Batch 668121 (mg/L), QC Sample No: CN59819 (CN59817, CN59818, CN59819, CN59820)													
Chromium, Hexavalent	BRL	0.01	<0.02	<0.02	NC	94.7			111			90 - 110	20
Comment:													
Additional Hexavalent Chromium criteria: LCS acceptance range for waters is 90-110% and MS acceptance range is 85-115%.													
QA/QC Batch 668522 (mg/L), QC Sample No: CN61061 (CN59817, CN59818, CN59819, CN59820)													
Phenolics	BRL	0.015	<0.015	0.006	NC	95.9			91.0			90 - 110	20

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Tel. (860) 645-1102

NY # 11301

QA/QC Report

March 23, 2023

QA/QC Data

SDG I.D.: GCN59813

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 668177 (mg/Kg), QC Sample No: CN59831 (CN59816, CN59822, CN59825, CN59827, CN59829, CN59831, CN59833, CN59835, CN59837, CN59839, CN59841, CN59843)											
TPH by GC (Extractable Products) - Soil											
Ext. Petroleum H.C. (C9-C36)	ND	50	78	95	19.7	73	77	5.3	60 - 120	30	
% COD (surr)	72	%	79	96	19.4	86	89	3.4	50 - 150	30	
% Terphenyl (surr)	73	%	74	98	27.9	107	114	6.3	50 - 150	30	
Comment:											
Additional surrogate criteria: LCS acceptance range is 60-120% MS acceptance range 50-150%. The ETPH/DRO LCS has been normalized based on the alkane calibration.											
QA/QC Batch 668301 (mg/Kg), QC Sample No: CN58755 (CN59816 (50X) , CN59825 (50X) , CN59827 (50X) , CN59829 (50X) , CN59831 (50X) , CN59833 (50X) , CN59835 (50X) , CN59837 (50X) , CN59839 (50X) , CN59841 (50X) , CN59843 (50X))											
Gasoline Range Hydrocarbons (C6C10) - Soil											
GRO (C6-C10)	ND	0.10	71	72	1.4	83	80	3.7	70 - 130	30	
% 2,5-Dibromotoluene (FID)	97	%	100	100	0.0	103	105	1.9	70 - 130	30	
QA/QC Batch 668505 (mg/Kg), QC Sample No: CN60762 50X (CN59822 (400X))											
Gasoline Range Hydrocarbons (C6C10) - Soil											
GRO (C6-C10)	ND	5.0	92	92	0.0	91	93	2.2	70 - 130	30	
% 2,5-Dibromotoluene (FID)	117	%	121	127	4.8	121	120	0.8	70 - 130	30	
QA/QC Batch 668138 (ug/Kg), QC Sample No: CN57671 10X (CN59816, CN59822, CN59825, CN59827, CN59829, CN59831, CN59833, CN59835, CN59837, CN59839, CN59841, CN59843)											
Chlorinated Herbicides - Soil											
2,4,5-T	ND	130	56	54	3.6	55	72	26.8	40 - 140	30	
2,4,5-TP (Silvex)	ND	130	61	64	4.8	63	76	18.7	40 - 140	30	
2,4-D	ND	250	55	53	3.7	55	73	28.1	40 - 140	30	
2,4-DB	ND	2500	52	49	5.9	51	67	27.1	40 - 140	30	
Dalapon	ND	130	58	60	3.4	54	57	5.4	40 - 140	30	
Dicamba	ND	130	79	86	8.5	86	80	7.2	40 - 140	30	
Dichloroprop	ND	130	62	61	1.6	64	79	21.0	40 - 140	30	
Dinoseb	ND	130	79	80	1.3	55	83	40.6	40 - 140	30	r
% DCAA (Surrogate Rec)	82	%	72	67	7.2	73	85	15.2	30 - 150	30	
% DCAA (Surrogate Rec) (Confirm	98	%	91	87	4.5	97	120	21.2	30 - 150	30	
Comment:											
Additional criteria: LCS acceptance range is 40-140% MS acceptance range 30-150%.											
QA/QC Batch 668127 (ug/Kg), QC Sample No: CN59831 2X (CN59816, CN59822, CN59825, CN59827, CN59829, CN59831, CN59833, CN59835, CN59837, CN59839, CN59841, CN59843)											
Polychlorinated Biphenyls - Soil											
PCB-1016	ND	33	94	87	7.7	99	94	5.2	40 - 140	30	
PCB-1221	ND	33							40 - 140	30	
PCB-1232	ND	33							40 - 140	30	
PCB-1242	ND	33							40 - 140	30	
PCB-1248	ND	33							40 - 140	30	
PCB-1254	ND	33							40 - 140	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
PCB-1260	ND	33	97	93	4.2	102	97	5.0	40 - 140	30	
PCB-1262	ND	33							40 - 140	30	
PCB-1268	ND	33							40 - 140	30	
% DCBP (Surrogate Rec)	98	%	99	94	5.2	103	99	4.0	30 - 150	30	
% DCBP (Surrogate Rec) (Confirm	93	%	97	93	4.2	101	97	4.0	30 - 150	30	
% TCMX (Surrogate Rec)	85	%	89	83	7.0	92	89	3.3	30 - 150	30	
% TCMX (Surrogate Rec) (Confirm	89	%	94	89	5.5	100	95	5.1	30 - 150	30	
QA/QC Batch 668129 (ug/kg), QC Sample No: CN59831 (CN59816, CN59822, CN59825, CN59827, CN59829, CN59831, CN59833, CN59835, CN59837, CN59839, CN59841, CN59843)											
Semivolatiles - Soil											
1,2,4,5-Tetrachlorobenzene	ND	230	79	67	16.4	65	63	3.1	40 - 140	30	
1,2,4-Trichlorobenzene	ND	230	77	64	18.4	65	63	3.1	40 - 140	30	
1,2-Dichlorobenzene	ND	180	67	56	17.9	56	56	0.0	40 - 140	30	
1,2-Diphenylhydrazine	ND	230	74	63	16.1	62	57	8.4	40 - 140	30	
1,3-Dichlorobenzene	ND	230	68	56	19.4	56	56	0.0	40 - 140	30	
1,4-Dichlorobenzene	ND	230	66	54	20.0	54	54	0.0	40 - 140	30	
2,2'-Oxybis(1-Chloropropane)	ND	230	64	54	16.9	52	53	1.9	40 - 140	30	
2,4,5-Trichlorophenol	ND	230	95	79	18.4	77	71	8.1	40 - 140	30	
2,4,6-Trichlorophenol	ND	130	99	82	18.8	75	72	4.1	30 - 130	30	
2,4-Dichlorophenol	ND	130	90	73	20.9	72	69	4.3	30 - 130	30	
2,4-Dimethylphenol	ND	230	87	72	18.9	62	62	0.0	30 - 130	30	
2,4-Dinitrophenol	ND	230	36	66	58.8	37	25	38.7	30 - 130	30	m,r
2,4-Dinitrotoluene	ND	130	91	76	18.0	76	69	9.7	30 - 130	30	
2,6-Dinitrotoluene	ND	130	91	74	20.6	73	68	7.1	40 - 140	30	
2-Chloronaphthalene	ND	230	85	70	19.4	69	66	4.4	40 - 140	30	
2-Chlorophenol	ND	230	78	65	18.2	62	61	1.6	30 - 130	30	
2-Methylnaphthalene	ND	230	82	69	17.2	67	65	3.0	40 - 140	30	
2-Methylphenol (o-cresol)	ND	230	80	68	16.2	64	61	4.8	40 - 140	30	
2-Nitroaniline	ND	330	131	111	16.5	101	95	6.1	40 - 140	30	
2-Nitrophenol	ND	230	79	66	17.9	64	62	3.2	40 - 140	30	
3&4-Methylphenol (m&p-cresol)	ND	230	97	81	18.0	75	73	2.7	30 - 130	30	
3,3'-Dichlorobenzidine	ND	130	74	73	1.4	59	51	14.5	40 - 140	30	
3-Nitroaniline	ND	330	103	85	19.1	80	75	6.5	40 - 140	30	
4,6-Dinitro-2-methylphenol	ND	230	52	66	23.7	54	41	27.4	30 - 130	30	
4-Bromophenyl phenyl ether	ND	230	97	79	20.5	77	72	6.7	40 - 140	30	
4-Chloro-3-methylphenol	ND	230	91	77	16.7	76	71	6.8	30 - 130	30	
4-Chloroaniline	ND	230	80	69	14.8	66	65	1.5	40 - 140	30	
4-Chlorophenyl phenyl ether	ND	230	88	72	20.0	69	66	4.4	40 - 140	30	
4-Nitroaniline	ND	230	84	70	18.2	67	63	6.2	40 - 140	30	
4-Nitrophenol	ND	230	79	68	15.0	63	56	11.8	30 - 130	30	
Acenaphthene	ND	230	78	64	19.7	63	60	4.9	30 - 130	30	
Acenaphthylene	ND	130	75	61	20.6	61	58	5.0	40 - 140	30	
Acetophenone	ND	230	75	65	14.3	61	60	1.7	40 - 140	30	
Aniline	ND	330	67	58	14.4	54	52	3.8	40 - 140	30	
Anthracene	ND	230	83	69	18.4	67	63	6.2	40 - 140	30	
Benz(a)anthracene	ND	230	77	64	18.4	65	58	11.4	40 - 140	30	
Benzidine	ND	330	77	93	18.8	12	12	0.0	40 - 140	30	m
Benzo(a)pyrene	ND	130	86	71	19.1	73	65	11.6	40 - 140	30	
Benzo(b)fluoranthene	ND	160	80	64	22.2	67	60	11.0	40 - 140	30	
Benzo(ghi)perylene	ND	230	82	69	17.2	70	64	9.0	40 - 140	30	
Benzo(k)fluoranthene	ND	230	73	60	19.5	61	55	10.3	40 - 140	30	
Benzoic Acid	ND	670	65	73	11.6	51	27	61.5	30 - 130	30	m,r

QA/QC Data

SDG I.D.: GCN59813

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Benzyl butyl phthalate	ND	230	88	72	20.0	74	67	9.9	40 - 140	30	
Bis(2-chloroethoxy)methane	ND	230	79	64	21.0	63	62	1.6	40 - 140	30	
Bis(2-chloroethyl)ether	ND	130	65	56	14.9	54	54	0.0	40 - 140	30	
Bis(2-ethylhexyl)phthalate	ND	230	83	68	19.9	71	65	8.8	40 - 140	30	
Carbazole	ND	230	86	72	17.7	71	65	8.8	40 - 140	30	
Chrysene	ND	230	80	66	19.2	68	62	9.2	40 - 140	30	
Dibenz(a,h)anthracene	ND	130	82	69	17.2	70	63	10.5	40 - 140	30	
Dibenzofuran	ND	230	86	72	17.7	70	66	5.9	40 - 140	30	
Diethyl phthalate	ND	230	86	72	17.7	72	66	8.7	40 - 140	30	
Dimethylphthalate	ND	230	87	73	17.5	71	66	7.3	40 - 140	30	
Di-n-butylphthalate	ND	670	87	71	20.3	71	66	7.3	40 - 140	30	
Di-n-octylphthalate	ND	230	84	68	21.1	71	64	10.4	40 - 140	30	
Fluoranthene	ND	230	78	65	18.2	63	59	6.6	40 - 140	30	
Fluorene	ND	230	82	68	18.7	64	62	3.2	40 - 140	30	
Hexachlorobenzene	ND	130	90	73	20.9	73	68	7.1	40 - 140	30	
Hexachlorobutadiene	ND	230	78	65	18.2	64	65	1.6	40 - 140	30	
Hexachlorocyclopentadiene	ND	230	67	50	29.1	51	49	4.0	40 - 140	30	
Hexachloroethane	ND	130	66	55	18.2	56	55	1.8	40 - 140	30	
Indeno(1,2,3-cd)pyrene	ND	230	89	75	17.1	76	69	9.7	40 - 140	30	
Isophorone	ND	130	69	58	17.3	56	55	1.8	40 - 140	30	
Naphthalene	ND	230	71	59	18.5	59	58	1.7	40 - 140	30	
Nitrobenzene	ND	130	71	61	15.2	60	58	3.4	40 - 140	30	
N-Nitrosodimethylamine	ND	230	52	43	18.9	40	42	4.9	40 - 140	30	
N-Nitrosodi-n-propylamine	ND	130	75	64	15.8	62	58	6.7	40 - 140	30	
N-Nitrosodiphenylamine	ND	130	85	71	17.9	69	64	7.5	40 - 140	30	
Pentachloronitrobenzene	ND	230	88	72	20.0	72	65	10.2	40 - 140	30	
Pentachlorophenol	ND	230	96	81	16.9	74	70	5.6	30 - 130	30	
Phenanthrene	ND	130	81	67	18.9	66	61	7.9	40 - 140	30	
Phenol	ND	230	78	65	18.2	63	61	3.2	30 - 130	30	
Pyrene	ND	230	75	63	17.4	61	57	6.8	30 - 130	30	
Pyridine	ND	230	40	32	22.2	32	35	9.0	40 - 140	30	l,m
% 2,4,6-Tribromophenol	54	%	92	78	16.5	73	67	8.6	30 - 130	30	
% 2-Fluorobiphenyl	51	%	85	68	22.2	67	65	3.0	30 - 130	30	
% 2-Fluorophenol	45	%	73	60	19.5	56	57	1.8	30 - 130	30	
% Nitrobenzene-d5	47	%	73	62	16.3	60	59	1.7	30 - 130	30	
% Phenol-d5	48	%	80	66	19.2	64	62	3.2	30 - 130	30	
% Terphenyl-d14	47	%	77	63	20.0	61	57	6.8	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 668381 (ug/kg), QC Sample No: CN59857 (CN59813)

Volatiles - Soil (Low Level)

1,1,1,2-Tetrachloroethane	ND	5.0	118	117	0.9	101	106	4.8	70 - 130	30	
1,1,1-Trichloroethane	ND	5.0	113	112	0.9	105	112	6.5	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	3.0	101	102	1.0	98	96	2.1	70 - 130	30	
1,1,2-Trichloroethane	ND	5.0	103	102	1.0	98	99	1.0	70 - 130	30	
1,1-Dichloroethane	ND	5.0	109	108	0.9	107	112	4.6	70 - 130	30	
1,1-Dichloroethene	ND	5.0	109	108	0.9	104	108	3.8	70 - 130	30	
1,1-Dichloropropene	ND	5.0	114	109	4.5	108	112	3.6	70 - 130	30	
1,2,3-Trichlorobenzene	ND	5.0	98	99	1.0	62	57	8.4	70 - 130	30	m
1,2,3-Trichloropropane	ND	5.0	100	101	1.0	99	98	1.0	70 - 130	30	
1,2,4-Trichlorobenzene	ND	5.0	98	97	1.0	64	58	9.8	70 - 130	30	m

QA/QC Data

SDG I.D.: GCN59813

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2,4-Trimethylbenzene	ND	1.0	105	103	1.9	94	92	2.2	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	5.0	112	121	7.7	96	96	0.0	70 - 130	30	
1,2-Dibromoethane	ND	5.0	105	107	1.9	101	102	1.0	70 - 130	30	
1,2-Dichlorobenzene	ND	5.0	102	100	2.0	84	79	6.1	70 - 130	30	
1,2-Dichloroethane	ND	5.0	106	103	2.9	106	109	2.8	70 - 130	30	
1,2-Dichloropropane	ND	5.0	110	106	3.7	107	110	2.8	70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0	107	106	0.9	95	95	0.0	70 - 130	30	
1,3-Dichlorobenzene	ND	5.0	102	101	1.0	85	83	2.4	70 - 130	30	
1,3-Dichloropropane	ND	5.0	107	107	0.0	104	104	0.0	70 - 130	30	
1,4-Dichlorobenzene	ND	5.0	100	100	0.0	84	83	1.2	70 - 130	30	
2,2-Dichloropropane	ND	5.0	117	117	0.0	89	92	3.3	70 - 130	30	
2-Chlorotoluene	ND	5.0	106	105	0.9	92	92	0.0	70 - 130	30	
2-Hexanone	ND	25	99	103	4.0	83	79	4.9	70 - 130	30	
2-Isopropyltoluene	ND	5.0	108	106	1.9	91	91	0.0	70 - 130	30	
4-Chlorotoluene	ND	5.0	105	102	2.9	92	91	1.1	70 - 130	30	
4-Methyl-2-pentanone	ND	25	102	106	3.8	98	96	2.1	70 - 130	30	
Acetone	ND	10	79	83	4.9	74	75	1.3	70 - 130	30	
Acrylonitrile	ND	5.0	94	97	3.1	78	78	0.0	70 - 130	30	
Benzene	ND	1.0	110	109	0.9	106	109	2.8	70 - 130	30	
Bromobenzene	ND	5.0	108	108	0.0	95	97	2.1	70 - 130	30	
Bromochloromethane	ND	5.0	104	105	1.0	100	100	0.0	70 - 130	30	
Bromodichloromethane	ND	5.0	110	107	2.8	104	105	1.0	70 - 130	30	
Bromoform	ND	5.0	114	115	0.9	95	93	2.1	70 - 130	30	
Bromomethane	ND	5.0	95	97	2.1	100	105	4.9	70 - 130	30	
Carbon Disulfide	ND	5.0	108	107	0.9	105	111	5.6	70 - 130	30	
Carbon tetrachloride	ND	5.0	115	112	2.6	100	103	3.0	70 - 130	30	
Chlorobenzene	ND	5.0	110	107	2.8	100	99	1.0	70 - 130	30	
Chloroethane	ND	5.0	114	111	2.7	112	123	9.4	70 - 130	30	
Chloroform	ND	5.0	106	107	0.9	101	107	5.8	70 - 130	30	
Chloromethane	ND	5.0	104	104	0.0	94	98	4.2	70 - 130	30	
cis-1,2-Dichloroethene	ND	5.0	108	106	1.9	100	104	3.9	70 - 130	30	
cis-1,3-Dichloropropene	ND	5.0	114	110	3.6	99	99	0.0	70 - 130	30	
Dibromochloromethane	ND	3.0	110	115	4.4	100	104	3.9	70 - 130	30	
Dibromomethane	ND	5.0	101	102	1.0	101	101	0.0	70 - 130	30	
Dichlorodifluoromethane	ND	5.0	91	90	1.1	89	92	3.3	70 - 130	30	
Ethylbenzene	ND	1.0	109	109	0.0	100	103	3.0	70 - 130	30	
Hexachlorobutadiene	ND	5.0	104	99	4.9	61	61	0.0	70 - 130	30	m
Isopropylbenzene	ND	1.0	110	108	1.8	101	101	0.0	70 - 130	30	
m&p-Xylene	ND	2.0	111	108	2.7	101	101	0.0	70 - 130	30	
Methyl ethyl ketone	ND	5.0	87	93	6.7	81	77	5.1	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	99	100	1.0	98	103	5.0	70 - 130	30	
Methylene chloride	ND	5.0	96	97	1.0	92	99	7.3	70 - 130	30	
Naphthalene	ND	5.0	102	106	3.8	75	69	8.3	70 - 130	30	m
n-Butylbenzene	ND	1.0	103	101	2.0	82	84	2.4	70 - 130	30	
n-Propylbenzene	ND	1.0	109	107	1.9	97	97	0.0	70 - 130	30	
o-Xylene	ND	2.0	108	108	0.0	99	103	4.0	70 - 130	30	
p-Isopropyltoluene	ND	1.0	107	105	1.9	90	89	1.1	70 - 130	30	
sec-Butylbenzene	ND	1.0	108	106	1.9	91	92	1.1	70 - 130	30	
Styrene	ND	5.0	106	104	1.9	89	88	1.1	70 - 130	30	
tert-Butylbenzene	ND	1.0	110	108	1.8	95	97	2.1	70 - 130	30	
Tetrachloroethene	ND	5.0	109	103	5.7	102	102	0.0	70 - 130	30	
Tetrahydrofuran (THF)	ND	5.0	92	98	6.3	92	93	1.1	70 - 130	30	
Toluene	ND	1.0	110	107	2.8	103	107	3.8	70 - 130	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
trans-1,2-Dichloroethene	ND	5.0	110	108	1.8	103	107	3.8	70 - 130	30
trans-1,3-Dichloropropene	ND	5.0	118	118	0.0	97	101	4.0	70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	117	124	5.8	85	88	3.5	70 - 130	30
Trichloroethene	ND	5.0	110	106	3.7	101	106	4.8	70 - 130	30
Trichlorofluoromethane	ND	5.0	106	106	0.0	111	119	7.0	70 - 130	30
Trichlorotrifluoroethane	ND	5.0	105	103	1.9	102	105	2.9	70 - 130	30
Vinyl chloride	ND	5.0	110	112	1.8	105	110	4.7	70 - 130	30
% 1,2-dichlorobenzene-d4	98	%	99	99	0.0	99	97	2.0	70 - 130	30
% Bromofluorobenzene	102	%	99	101	2.0	101	98	3.0	70 - 130	30
% Dibromofluoromethane	98	%	96	98	2.1	96	96	0.0	70 - 130	30
% Toluene-d8	103	%	101	100	1.0	101	99	2.0	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 668381H (ug/kg), QC Sample No: CN59857 50X (CN59823 (50X) , CN59838 (50X))

Volatiles - Soil (High Level)

1,1,1,2-Tetrachloroethane	ND	250	117	112	4.4	98	104	5.9	70 - 130	30
1,1,1-Trichloroethane	ND	250	115	110	4.4	101	103	2.0	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	250	110	108	1.8	110	108	1.8	70 - 130	30
1,1,2-Trichloroethane	ND	250	112	109	2.7	107	107	0.0	70 - 130	30
1,1-Dichloroethane	ND	250	114	110	3.6	119	113	5.2	70 - 130	30
1,1-Dichloroethene	ND	250	94	94	0.0	112	113	0.9	70 - 130	30
1,1-Dichloropropene	ND	250	122	123	0.8	121	120	0.8	70 - 130	30
1,2,3-Trichlorobenzene	ND	250	128	126	1.6	121	120	0.8	70 - 130	30
1,2,3-Trichloropropane	ND	250	106	107	0.9	113	110	2.7	70 - 130	30
1,2,4-Trichlorobenzene	ND	250	130	128	1.6	124	119	4.1	70 - 130	30
1,2,4-Trimethylbenzene	ND	250	124	124	0.0	125	120	4.1	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	250	121	114	6.0	101	106	4.8	70 - 130	30
1,2-Dibromoethane	ND	250	119	116	2.6	111	110	0.9	70 - 130	30
1,2-Dichlorobenzene	ND	250	121	119	1.7	117	114	2.6	70 - 130	30
1,2-Dichloroethane	ND	250	117	110	6.2	114	115	0.9	70 - 130	30
1,2-Dichloropropane	ND	250	118	118	0.0	117	116	0.9	70 - 130	30
1,3,5-Trimethylbenzene	ND	250	126	126	0.0	128	121	5.6	70 - 130	30
1,3-Dichlorobenzene	ND	250	124	124	0.0	121	118	2.5	70 - 130	30
1,3-Dichloropropane	ND	250	118	115	2.6	116	116	0.0	70 - 130	30
1,4-Dichlorobenzene	ND	250	123	122	0.8	119	116	2.6	70 - 130	30
2,2-Dichloropropane	ND	250	119	112	6.1	72	89	21.1	70 - 130	30
2-Chlorotoluene	ND	250	123	121	1.6	123	119	3.3	70 - 130	30
2-Hexanone	ND	1300	103	98	5.0	105	102	2.9	70 - 130	30
2-Isopropyltoluene	ND	250	124	125	0.8	125	120	4.1	70 - 130	30
4-Chlorotoluene	ND	250	125	125	0.0	121	118	2.5	70 - 130	30
4-Methyl-2-pentanone	ND	1300	107	104	2.8	107	107	0.0	70 - 130	30
Acetone	ND	500	67	62	7.8	72	70	2.8	70 - 130	30
Acrylonitrile	ND	250	96	95	1.0	101	103	2.0	70 - 130	30
Benzene	ND	250	121	123	1.6	120	116	3.4	70 - 130	30
Bromobenzene	ND	250	126	124	1.6	124	121	2.4	70 - 130	30
Bromochloromethane	ND	250	117	115	1.7	110	112	1.8	70 - 130	30
Bromodichloromethane	ND	250	110	107	2.8	103	102	1.0	70 - 130	30
Bromoform	ND	250	105	101	3.9	91	93	2.2	70 - 130	30
Bromomethane	ND	250	64	63	1.6	75	72	4.1	70 - 130	30
Carbon Disulfide	ND	250	95	94	1.1	108	109	0.9	70 - 130	30
Carbon tetrachloride	ND	250	99	96	3.1	77	83	7.5	70 - 130	30

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Chlorobenzene	ND	250	124	126	1.6	123	121	1.6	70 - 130	30	
Chloroethane	ND	250	30	30	0.0	38	35	8.2	70 - 130	30	l,m
Chloroform	ND	250	114	113	0.9	113	111	1.8	70 - 130	30	
Chloromethane	ND	250	103	102	1.0	101	100	1.0	70 - 130	30	
cis-1,2-Dichloroethene	ND	250	151	115	27.1	121	153	23.4	70 - 130	30	l,m
cis-1,3-Dichloropropene	ND	250	117	115	1.7	96	103	7.0	70 - 130	30	
Dibromochloromethane	ND	150	114	107	6.3	101	101	0.0	70 - 130	30	
Dibromomethane	ND	250	113	113	0.0	111	113	1.8	70 - 130	30	
Dichlorodifluoromethane	ND	250	87	86	1.2	87	84	3.5	70 - 130	30	
Ethylbenzene	ND	250	124	125	0.8	123	121	1.6	70 - 130	30	
Hexachlorobutadiene	ND	250	128	130	1.6	126	120	4.9	70 - 130	30	
Isopropylbenzene	ND	250	127	127	0.0	127	123	3.2	70 - 130	30	
m&p-Xylene	ND	250	127	127	0.0	126	124	1.6	70 - 130	30	
Methyl ethyl ketone	ND	250	95	90	5.4	93	93	0.0	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	250	107	105	1.9	109	106	2.8	70 - 130	30	
Methylene chloride	ND	250	102	102	0.0	109	105	3.7	70 - 130	30	
Naphthalene	ND	250	128	123	4.0	124	124	0.0	70 - 130	30	
n-Butylbenzene	ND	250	128	127	0.8	127	123	3.2	70 - 130	30	
n-Propylbenzene	ND	250	129	128	0.8	129	122	5.6	70 - 130	30	
o-Xylene	ND	250	123	124	0.8	122	120	1.7	70 - 130	30	
p-Isopropyltoluene	ND	250	128	128	0.0	126	122	3.2	70 - 130	30	
sec-Butylbenzene	ND	250	125	126	0.8	126	121	4.0	70 - 130	30	
Styrene	ND	250	120	120	0.0	120	118	1.7	70 - 130	30	
tert-Butylbenzene	ND	250	124	123	0.8	124	120	3.3	70 - 130	30	
Tetrachloroethene	ND	250	125	127	1.6	122	115	5.9	70 - 130	30	
Tetrahydrofuran (THF)	ND	250	101	97	4.0	101	98	3.0	70 - 130	30	
Toluene	ND	250	122	122	0.0	119	117	1.7	70 - 130	30	
trans-1,2-Dichloroethene	ND	250	119	113	5.2	118	118	0.0	70 - 130	30	
trans-1,3-Dichloropropene	ND	250	119	117	1.7	92	100	8.3	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	250	121	115	5.1	88	93	5.5	70 - 130	30	
Trichloroethene	ND	250	124	124	0.0	119	121	1.7	70 - 130	30	
Trichlorofluoromethane	ND	250	21	21	0.0	26	25	3.9	70 - 130	30	l,m
Trichlorotrifluoroethane	ND	250	111	111	0.0	131	131	0.0	70 - 130	30	m
Vinyl chloride	ND	250	100	99	1.0	99	95	4.1	70 - 130	30	
% 1,2-dichlorobenzene-d4	96	%	98	99	1.0	99	97	2.0	70 - 130	30	
% Bromofluorobenzene	100	%	98	98	0.0	98	98	0.0	70 - 130	30	
% Dibromofluoromethane	94	%	97	98	1.0	91	95	4.3	70 - 130	30	
% Toluene-d8	102	%	99	100	1.0	97	99	2.0	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 668608 (ug/kg), QC Sample No: CN59903 (CN59830, CN59832, CN59834, CN59836, CN59840, CN59842)

Volatiles - Soil (Low Level)

1,1,1,2-Tetrachloroethane	ND	5.0	121	111	8.6	103	108	4.7	70 - 130	30	
1,1,1-Trichloroethane	ND	5.0	114	110	3.6	105	104	1.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	3.0	115	102	12.0	105	106	0.9	70 - 130	30	
1,1,2-Trichloroethane	ND	5.0	112	103	8.4	104	104	0.0	70 - 130	30	
1,1-Dichloroethane	ND	5.0	121	113	6.8	113	116	2.6	70 - 130	30	
1,1-Dichloroethene	ND	5.0	113	109	3.6	110	105	4.7	70 - 130	30	
1,1-Dichloropropene	ND	5.0	115	114	0.9	110	109	0.9	70 - 130	30	
1,2,3-Trichlorobenzene	ND	5.0	109	102	6.6	71	69	2.9	70 - 130	30	m
1,2,3-Trichloropropane	ND	5.0	116	102	12.8	105	101	3.9	70 - 130	30	

QA/QC Data

SDG I.D.: GCN59813

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2,4-Trichlorobenzene	ND	5.0	110	100	9.5	71	68	4.3	70 - 130	30	m
1,2,4-Trimethylbenzene	ND	1.0	112	106	5.5	97	96	1.0	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	5.0	127	109	15.3	104	101	2.9	70 - 130	30	
1,2-Dibromoethane	ND	5.0	115	104	10.0	105	106	0.9	70 - 130	30	
1,2-Dichlorobenzene	ND	5.0	110	100	9.5	87	86	1.2	70 - 130	30	
1,2-Dichloroethane	ND	5.0	117	110	6.2	112	111	0.9	70 - 130	30	
1,2-Dichloropropane	ND	5.0	117	110	6.2	110	109	0.9	70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0	114	109	4.5	99	98	1.0	70 - 130	30	
1,3-Dichlorobenzene	ND	5.0	110	103	6.6	88	89	1.1	70 - 130	30	
1,3-Dichloropropane	ND	5.0	118	106	10.7	110	107	2.8	70 - 130	30	
1,4-Dichlorobenzene	ND	5.0	108	102	5.7	87	87	0.0	70 - 130	30	
2,2-Dichloropropane	ND	5.0	100	93	7.3	73	78	6.6	70 - 130	30	
2-Chlorotoluene	ND	5.0	110	106	3.7	97	93	4.2	70 - 130	30	
2-Hexanone	ND	25	116	98	16.8	103	102	1.0	70 - 130	30	
2-Isopropyltoluene	ND	5.0	113	109	3.6	97	94	3.1	70 - 130	30	
4-Chlorotoluene	ND	5.0	108	106	1.9	95	94	1.1	70 - 130	30	
4-Methyl-2-pentanone	ND	25	119	102	15.4	111	105	5.6	70 - 130	30	
Acetone	ND	10	100	82	19.8	146	139	4.9	70 - 130	30	m
Acrylonitrile	ND	5.0	111	95	15.5	100	102	2.0	70 - 130	30	
Benzene	ND	1.0	117	109	7.1	110	108	1.8	70 - 130	30	
Bromobenzene	ND	5.0	117	104	11.8	99	97	2.0	70 - 130	30	
Bromochloromethane	ND	5.0	110	100	9.5	101	101	0.0	70 - 130	30	
Bromodichloromethane	ND	5.0	121	114	6.0	111	105	5.6	70 - 130	30	
Bromoform	ND	5.0	120	110	8.7	106	106	0.0	70 - 130	30	
Bromomethane	ND	5.0	116	110	5.3	110	115	4.4	70 - 130	30	
Carbon Disulfide	ND	5.0	113	107	5.5	103	103	0.0	70 - 130	30	
Carbon tetrachloride	ND	5.0	112	110	1.8	96	102	6.1	70 - 130	30	
Chlorobenzene	ND	5.0	114	106	7.3	101	101	0.0	70 - 130	30	
Chloroethane	ND	5.0	124	123	0.8	121	124	2.4	70 - 130	30	
Chloroform	ND	5.0	114	108	5.4	107	108	0.9	70 - 130	30	
Chloromethane	ND	5.0	106	100	5.8	96	96	0.0	70 - 130	30	
cis-1,2-Dichloroethene	ND	5.0	113	105	7.3	103	107	3.8	70 - 130	30	
cis-1,3-Dichloropropene	ND	5.0	115	109	5.4	99	99	0.0	70 - 130	30	
Dibromochloromethane	ND	3.0	122	111	9.4	108	107	0.9	70 - 130	30	
Dibromomethane	ND	5.0	114	104	9.2	107	106	0.9	70 - 130	30	
Dichlorodifluoromethane	ND	5.0	89	83	7.0	77	76	1.3	70 - 130	30	
Ethylbenzene	ND	1.0	114	107	6.3	104	102	1.9	70 - 130	30	
Hexachlorobutadiene	ND	5.0	110	101	8.5	69	65	6.0	70 - 130	30	m
Isopropylbenzene	ND	1.0	114	110	3.6	102	101	1.0	70 - 130	30	
m&p-Xylene	ND	2.0	115	109	5.4	105	103	1.9	70 - 130	30	
Methyl ethyl ketone	ND	5.0	104	85	20.1	105	101	3.9	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	114	100	13.1	106	101	4.8	70 - 130	30	
Methylene chloride	ND	5.0	104	97	7.0	102	102	0.0	70 - 130	30	
Naphthalene	ND	5.0	120	105	13.3	82	80	2.5	70 - 130	30	
n-Butylbenzene	ND	1.0	111	107	3.7	88	84	4.7	70 - 130	30	
n-Propylbenzene	ND	1.0	113	110	2.7	100	99	1.0	70 - 130	30	
o-Xylene	ND	2.0	114	107	6.3	104	101	2.9	70 - 130	30	
p-Isopropyltoluene	ND	1.0	111	107	3.7	94	91	3.2	70 - 130	30	
sec-Butylbenzene	ND	1.0	112	109	2.7	95	93	2.1	70 - 130	30	
Styrene	ND	5.0	113	106	6.4	91	91	0.0	70 - 130	30	
tert-Butylbenzene	ND	1.0	113	111	1.8	101	98	3.0	70 - 130	30	
Tetrachloroethene	ND	5.0	110	107	2.8	99	97	2.0	70 - 130	30	
Tetrahydrofuran (THF)	ND	5.0	109	91	18.0	98	97	1.0	70 - 130	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Toluene	ND	1.0	115	110	4.4	107	104	2.8	70 - 130	30	
trans-1,2-Dichloroethene	ND	5.0	112	109	2.7	110	107	2.8	70 - 130	30	
trans-1,3-Dichloropropene	ND	5.0	118	108	8.8	95	97	2.1	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	123	105	15.8	93	96	3.2	70 - 130	30	
Trichloroethene	ND	5.0	112	108	3.6	104	98	5.9	70 - 130	30	
Trichlorofluoromethane	ND	5.0	119	119	0.0	117	120	2.5	70 - 130	30	
Trichlorotrifluoroethane	ND	5.0	105	101	3.9	103	99	4.0	70 - 130	30	
Vinyl chloride	ND	5.0	112	108	3.6	103	102	1.0	70 - 130	30	
% 1,2-dichlorobenzene-d4	97	%	98	98	0.0	98	98	0.0	70 - 130	30	
% Bromofluorobenzene	102	%	100	102	2.0	101	100	1.0	70 - 130	30	
% Dibromofluoromethane	90	%	95	97	2.1	95	95	0.0	70 - 130	30	
% Toluene-d8	102	%	100	101	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.

QA/QC Batch 668308H (ug/kg), QC Sample No: CN60050 50X (CN59821 (50X) , CN59826 (50X))

Volatiles - Soil (High Level)

1,1,1,2-Tetrachloroethane	ND	250	103	104	1.0	99	100	1.0	70 - 130	30	
1,1,1-Trichloroethane	ND	250	105	107	1.9	101	101	0.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	250	97	101	4.0	96	95	1.0	70 - 130	30	
1,1,2-Trichloroethane	ND	250	98	100	2.0	96	95	1.0	70 - 130	30	
1,1-Dichloroethane	ND	250	107	108	0.9	103	102	1.0	70 - 130	30	
1,1-Dichloroethene	ND	250	84	80	4.9	85	83	2.4	70 - 130	30	
1,1-Dichloropropene	ND	250	107	109	1.9	106	104	1.9	70 - 130	30	
1,2,3-Trichlorobenzene	ND	250	106	110	3.7	97	101	4.0	70 - 130	30	
1,2,3-Trichloropropane	ND	250	98	102	4.0	96	96	0.0	70 - 130	30	
1,2,4-Trichlorobenzene	ND	250	111	112	0.9	100	102	2.0	70 - 130	30	
1,2,4-Trimethylbenzene	ND	250	107	107	0.0	103	102	1.0	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	250	89	97	8.6	88	90	2.2	70 - 130	30	
1,2-Dibromoethane	ND	250	101	104	2.9	100	99	1.0	70 - 130	30	
1,2-Dichlorobenzene	ND	250	107	108	0.9	103	102	1.0	70 - 130	30	
1,2-Dichloroethane	ND	250	103	105	1.9	99	98	1.0	70 - 130	30	
1,2-Dichloropropane	ND	250	103	105	1.9	100	98	2.0	70 - 130	30	
1,3,5-Trimethylbenzene	ND	250	107	108	0.9	105	105	0.0	70 - 130	30	
1,3-Dichlorobenzene	ND	250	108	108	0.0	103	103	0.0	70 - 130	30	
1,3-Dichloropropane	ND	250	106	108	1.9	104	103	1.0	70 - 130	30	
1,4-Dichlorobenzene	ND	250	109	109	0.0	104	103	1.0	70 - 130	30	
2,2-Dichloropropane	ND	250	105	106	0.9	99	98	1.0	70 - 130	30	
2-Chlorotoluene	ND	250	109	108	0.9	106	106	0.0	70 - 130	30	
2-Hexanone	ND	1300	96	105	9.0	97	96	1.0	70 - 130	30	
2-Isopropyltoluene	ND	250	107	108	0.9	105	105	0.0	70 - 130	30	
4-Chlorotoluene	ND	250	109	108	0.9	105	104	1.0	70 - 130	30	
4-Methyl-2-pentanone	ND	1300	94	103	9.1	95	93	2.1	70 - 130	30	
Acetone	ND	500	73	78	6.6	75	78	3.9	70 - 130	30	
Acrylonitrile	ND	250	96	103	7.0	96	95	1.0	70 - 130	30	
Benzene	ND	250	104	106	1.9	103	102	1.0	70 - 130	30	
Bromobenzene	ND	250	104	105	1.0	101	101	0.0	70 - 130	30	
Bromochloromethane	ND	250	104	104	0.0	98	98	0.0	70 - 130	30	
Bromodichloromethane	ND	250	98	98	0.0	92	91	1.1	70 - 130	30	
Bromoform	ND	250	93	96	3.2	86	87	1.2	70 - 130	30	
Bromomethane	ND	250	64	70	9.0	65	69	6.0	70 - 130	30	l,m
Carbon Disulfide	ND	250	84	78	7.4	82	81	1.2	70 - 130	30	

QA/QC Data

SDG I.D.: GCN59813

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Carbon tetrachloride	ND	250	104	107	2.8	95	97	2.1	70 - 130	30	
Chlorobenzene	ND	250	111	111	0.0	108	108	0.0	70 - 130	30	
Chloroethane	ND	250	32	33	3.1	32	31	3.2	70 - 130	30	l,m
Chloroform	ND	250	106	106	0.0	100	99	1.0	70 - 130	30	
Chloromethane	ND	250	99	99	0.0	91	91	0.0	70 - 130	30	
cis-1,2-Dichloroethene	ND	250	102	104	1.9	99	99	0.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	250	101	102	1.0	97	95	2.1	70 - 130	30	
Dibromochloromethane	ND	150	97	99	2.0	91	91	0.0	70 - 130	30	
Dibromomethane	ND	250	97	100	3.0	95	94	1.1	70 - 130	30	
Dichlorodifluoromethane	ND	250	84	87	3.5	78	79	1.3	70 - 130	30	
Ethylbenzene	ND	250	107	109	1.9	106	106	0.0	70 - 130	30	
Hexachlorobutadiene	ND	250	109	113	3.6	105	106	0.9	70 - 130	30	
Isopropylbenzene	ND	250	107	109	1.9	106	106	0.0	70 - 130	30	
m&p-Xylene	ND	250	109	112	2.7	109	109	0.0	70 - 130	30	
Methyl ethyl ketone	ND	250	97	107	9.8	97	95	2.1	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	250	98	100	2.0	94	91	3.2	70 - 130	30	
Methylene chloride	ND	250	101	99	2.0	98	97	1.0	70 - 130	30	
Naphthalene	ND	250	100	107	6.8	97	100	3.0	70 - 130	30	
n-Butylbenzene	ND	250	112	114	1.8	107	108	0.9	70 - 130	30	
n-Propylbenzene	ND	250	108	109	0.9	107	106	0.9	70 - 130	30	
o-Xylene	ND	250	106	107	0.9	104	105	1.0	70 - 130	30	
p-Isopropyltoluene	ND	250	109	110	0.9	107	106	0.9	70 - 130	30	
sec-Butylbenzene	ND	250	108	109	0.9	107	107	0.0	70 - 130	30	
Styrene	ND	250	95	95	0.0	92	92	0.0	70 - 130	30	
tert-Butylbenzene	ND	250	106	107	0.9	105	106	0.9	70 - 130	30	
Tetrachloroethene	ND	250	106	109	2.8	106	105	0.9	70 - 130	30	
Tetrahydrofuran (THF)	ND	250	101	121	18.0	108	106	1.9	70 - 130	30	
Toluene	ND	250	104	106	1.9	103	102	1.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	250	105	107	1.9	104	104	0.0	70 - 130	30	
trans-1,3-Dichloropropene	ND	250	100	102	2.0	94	93	1.1	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	250	103	109	5.7	97	97	0.0	70 - 130	30	
Trichloroethene	ND	250	108	111	2.7	108	107	0.9	70 - 130	30	
Trichlorofluoromethane	ND	250	27	28	3.6	26	26	0.0	70 - 130	30	l,m
Trichlorotrifluoroethane	ND	250	91	89	2.2	91	90	1.1	70 - 130	30	
Vinyl chloride	ND	250	109	112	2.7	105	106	0.9	70 - 130	30	
% 1,2-dichlorobenzene-d4	100	%	100	100	0.0	100	99	1.0	70 - 130	30	
% Bromofluorobenzene	95	%	101	101	0.0	100	100	0.0	70 - 130	30	
% Dibromofluoromethane	92	%	95	95	0.0	92	92	0.0	70 - 130	30	
% Toluene-d8	96	%	98	97	1.0	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.

QA/QC Batch 668351 (ug/L), QC Sample No: CN60118 (CN59814, CN59817, CN59820)

Volatiles - Water, Ground Water

1,1,1,2-Tetrachloroethane	ND	1.0	92	99	7.3				70 - 130	30	
1,1,1-Trichloroethane	ND	1.0	97	102	5.0				70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	0.50	87	103	16.8				70 - 130	30	
1,1,2-Trichloroethane	ND	1.0	85	102	18.2				70 - 130	30	
1,1-Dichloroethane	ND	1.0	99	106	6.8				70 - 130	30	
1,1-Dichloroethene	ND	1.0	99	105	5.9				70 - 130	30	
1,1-Dichloropropene	ND	1.0	95	100	5.1				70 - 130	30	
1,2,3-Trichlorobenzene	ND	1.0	92	105	13.2				70 - 130	30	

QA/QC Data

SDG I.D.: GCN59813

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,2,3-Trichloropropane	ND	1.0	92	106	14.1				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	95	106	10.9				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	98	101	3.0				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	91	109	18.0				70 - 130	30
1,2-Dibromoethane	ND	1.0	90	103	13.5				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	94	103	9.1				70 - 130	30
1,2-Dichloroethane	ND	1.0	92	106	14.1				70 - 130	30
1,2-Dichloropropane	ND	1.0	87	97	10.9				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	99	101	2.0				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	95	101	6.1				70 - 130	30
1,3-Dichloropropane	ND	1.0	88	101	13.8				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	94	101	7.2				70 - 130	30
2,2-Dichloropropane	ND	1.0	99	103	4.0				70 - 130	30
2-Chlorotoluene	ND	1.0	97	100	3.0				70 - 130	30
2-Hexanone	ND	5.0	80	100	22.2				70 - 130	30
2-Isopropyltoluene	ND	1.0	99	102	3.0				70 - 130	30
4-Chlorotoluene	ND	1.0	98	101	3.0				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	85	108	23.8				70 - 130	30
Acetone	ND	5.0	83	101	19.6				70 - 130	30
Acrylonitrile	ND	5.0	93	116	22.0				70 - 130	30
Benzene	ND	0.70	91	97	6.4				70 - 130	30
Bromobenzene	ND	1.0	94	101	7.2				70 - 130	30
Bromochloromethane	ND	1.0	90	103	13.5				70 - 130	30
Bromodichloromethane	ND	0.50	87	98	11.9				70 - 130	30
Bromoform	ND	1.0	84	100	17.4				70 - 130	30
Bromomethane	ND	1.0	114	127	10.8				70 - 130	30
Carbon Disulfide	ND	1.0	97	102	5.0				70 - 130	30
Carbon tetrachloride	ND	1.0	94	101	7.2				70 - 130	30
Chlorobenzene	ND	1.0	94	100	6.2				70 - 130	30
Chloroethane	ND	1.0	95	101	6.1				70 - 130	30
Chloroform	ND	1.0	91	99	8.4				70 - 130	30
Chloromethane	ND	1.0	89	94	5.5				70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	90	97	7.5				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	88	99	11.8				70 - 130	30
Dibromochloromethane	ND	0.50	87	100	13.9				70 - 130	30
Dibromomethane	ND	1.0	88	104	16.7				70 - 130	30
Dichlorodifluoromethane	ND	1.0	88	91	3.4				70 - 130	30
Ethylbenzene	ND	1.0	96	99	3.1				70 - 130	30
Hexachlorobutadiene	ND	0.40	109	113	3.6				70 - 130	30
Isopropylbenzene	ND	1.0	101	102	1.0				70 - 130	30
m&p-Xylene	ND	1.0	96	99	3.1				70 - 130	30
Methyl ethyl ketone	ND	5.0	85	110	25.6				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	90	111	20.9				70 - 130	30
Methylene chloride	ND	1.0	89	100	11.6				70 - 130	30
Naphthalene	ND	1.0	90	106	16.3				70 - 130	30
n-Butylbenzene	ND	1.0	104	106	1.9				70 - 130	30
n-Propylbenzene	ND	1.0	100	101	1.0				70 - 130	30
o-Xylene	ND	1.0	94	98	4.2				70 - 130	30
p-Isopropyltoluene	ND	1.0	101	103	2.0				70 - 130	30
sec-Butylbenzene	ND	1.0	100	102	2.0				70 - 130	30
Styrene	ND	1.0	93	99	6.3				70 - 130	30
tert-Butylbenzene	ND	1.0	100	101	1.0				70 - 130	30
Tetrachloroethene	ND	1.0	96	101	5.1				70 - 130	30

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Tetrahydrofuran (THF)	ND	2.5	87	107	20.6				70 - 130	30	
Toluene	ND	1.0	93	99	6.3				70 - 130	30	
trans-1,2-Dichloroethene	ND	1.0	100	106	5.8				70 - 130	30	
trans-1,3-Dichloropropene	ND	0.40	88	101	13.8				70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	82	98	17.8				70 - 130	30	
Trichloroethene	ND	1.0	96	101	5.1				70 - 130	30	
Trichlorofluoromethane	ND	1.0	102	108	5.7				70 - 130	30	
Trichlorotrifluoroethane	ND	1.0	104	109	4.7				70 - 130	30	
Vinyl chloride	ND	1.0	94	100	6.2				70 - 130	30	
% 1,2-dichlorobenzene-d4	99	%	99	101	2.0				70 - 130	30	
% Bromofluorobenzene	99	%	98	100	2.0				70 - 130	30	
% Dibromofluoromethane	100	%	99	101	2.0				70 - 130	30	
% Toluene-d8	98	%	99	99	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.

QA/QC Batch 668809 (ug/kg), QC Sample No: CN60373 (CN59828)

Volatiles - Soil (Low Level)

1,1,1,2-Tetrachloroethane	ND	5.0	82	91	10.4	85			70 - 130	30	
1,1,1-Trichloroethane	ND	5.0	80	92	14.0	85			70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	3.0	82	91	10.4	83			70 - 130	30	
1,1,2-Trichloroethane	ND	5.0	83	91	9.2	85			70 - 130	30	
1,1-Dichloroethane	ND	5.0	83	94	12.4	89			70 - 130	30	
1,1-Dichloroethene	ND	5.0	87	100	13.9	93			70 - 130	30	
1,1-Dichloropropene	ND	5.0	81	92	12.7	85			70 - 130	30	
1,2,3-Trichlorobenzene	ND	5.0	86	96	11.0	66			70 - 130	30	m
1,2,3-Trichloropropane	ND	5.0	80	89	10.7	81			70 - 130	30	
1,2,4-Trichlorobenzene	ND	5.0	85	95	11.1	68			70 - 130	30	m
1,2,4-Trimethylbenzene	ND	1.0	81	92	12.7	69			70 - 130	30	m
1,2-Dibromo-3-chloropropane	ND	5.0	79	87	9.6	77			70 - 130	30	
1,2-Dibromoethane	ND	5.0	85	93	9.0	87			70 - 130	30	
1,2-Dichlorobenzene	ND	5.0	84	94	11.2	79			70 - 130	30	
1,2-Dichloroethane	ND	5.0	82	93	12.6	85			70 - 130	30	
1,2-Dichloropropane	ND	5.0	82	91	10.4	88			70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0	82	93	12.6	77			70 - 130	30	
1,3-Dichlorobenzene	ND	5.0	83	93	11.4	79			70 - 130	30	
1,3-Dichloropropane	ND	5.0	86	96	11.0	90			70 - 130	30	
1,4-Dichlorobenzene	ND	5.0	83	93	11.4	80			70 - 130	30	
2,2-Dichloropropane	ND	5.0	84	91	8.0	83			70 - 130	30	
2-Chlorotoluene	ND	5.0	83	95	13.5	82			70 - 130	30	
2-Hexanone	ND	25	83	91	9.2	71			70 - 130	30	
2-Isopropyltoluene	ND	5.0	83	93	11.4	76			70 - 130	30	
4-Chlorotoluene	ND	5.0	84	94	11.2	81			70 - 130	30	
4-Methyl-2-pentanone	ND	25	83	92	10.3	77			70 - 130	30	
Acetone	ND	10	78	90	14.3	75			70 - 130	30	
Acrylonitrile	ND	5.0	84	91	8.0	75			70 - 130	30	
Benzene	ND	1.0	82	92	11.5	87			70 - 130	30	
Bromobenzene	ND	5.0	84	95	12.3	84			70 - 130	30	
Bromochloromethane	ND	5.0	87	95	8.8	90			70 - 130	30	
Bromodichloromethane	ND	5.0	77	86	11.0	82			70 - 130	30	
Bromoform	ND	5.0	76	85	11.2	75			70 - 130	30	

QA/QC Data

SDG I.D.: GCN59813

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Bromomethane	ND	5.0	82	95	14.7	86			70 - 130	30	
Carbon Disulfide	ND	5.0	85	97	13.2	83			70 - 130	30	
Carbon tetrachloride	ND	5.0	79	90	13.0	82			70 - 130	30	
Chlorobenzene	ND	5.0	86	96	11.0	88			70 - 130	30	
Chloroethane	ND	5.0	81	93	13.8	88			70 - 130	30	
Chloroform	ND	5.0	82	92	11.5	87			70 - 130	30	
Chloromethane	ND	5.0	72	79	9.3	72			70 - 130	30	
cis-1,2-Dichloroethene	ND	5.0	81	94	14.9	85			70 - 130	30	
cis-1,3-Dichloropropene	ND	5.0	81	90	10.5	84			70 - 130	30	
Dibromochloromethane	ND	3.0	78	87	10.9	81			70 - 130	30	
Dibromomethane	ND	5.0	83	91	9.2	85			70 - 130	30	
Dichlorodifluoromethane	ND	5.0	60	66	9.5	62			70 - 130	30	l,m
Ethylbenzene	ND	1.0	82	92	11.5	84			70 - 130	30	
Hexachlorobutadiene	ND	5.0	82	89	8.2	46			70 - 130	30	m
Isopropylbenzene	ND	1.0	84	95	12.3	81			70 - 130	30	
m&p-Xylene	ND	2.0	84	94	11.2	80			70 - 130	30	
Methyl ethyl ketone	ND	5.0	85	94	10.1	76			70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	83	92	10.3	86			70 - 130	30	
Methylene chloride	ND	5.0	83	94	12.4	89			70 - 130	30	
Naphthalene	ND	5.0	87	96	9.8	67			70 - 130	30	m
n-Butylbenzene	ND	1.0	82	92	11.5	61			70 - 130	30	m
n-Propylbenzene	ND	1.0	83	94	12.4	78			70 - 130	30	
o-Xylene	ND	2.0	82	92	11.5	82			70 - 130	30	
p-Isopropyltoluene	ND	1.0	82	93	12.6	74			70 - 130	30	
sec-Butylbenzene	ND	1.0	83	93	11.4	70			70 - 130	30	
Styrene	ND	5.0	73	82	11.6	72			70 - 130	30	
tert-Butylbenzene	ND	1.0	82	93	12.6	78			70 - 130	30	
Tetrachloroethene	ND	5.0	83	93	11.4	84			70 - 130	30	
Tetrahydrofuran (THF)	ND	5.0	89	96	7.6	85			70 - 130	30	
Toluene	ND	1.0	81	91	11.6	85			70 - 130	30	
trans-1,2-Dichloroethene	ND	5.0	84	93	10.2	88			70 - 130	30	
trans-1,3-Dichloropropene	ND	5.0	81	90	10.5	82			70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	87	95	8.8	84			70 - 130	30	
Trichloroethene	ND	5.0	85	96	12.2	90			70 - 130	30	
Trichlorofluoromethane	ND	5.0	80	90	11.8	85			70 - 130	30	
Trichlorotrifluoroethane	ND	5.0	88	99	11.8	91			70 - 130	30	
Vinyl chloride	ND	5.0	84	95	12.3	88			70 - 130	30	
% 1,2-dichlorobenzene-d4	100	%	100	101	1.0	100			70 - 130	30	
% Bromofluorobenzene	93	%	97	97	0.0	96			70 - 130	30	
% Dibromofluoromethane	95	%	97	97	0.0	96			70 - 130	30	
% Toluene-d8	94	%	96	96	0.0	96			70 - 130	30	

Comment:

The MSD is not reported for this LL soil batch.

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

QA/QC Batch 668621 (ug/L), QC Sample No: CN60662 (CN59818 (2X) , CN59819 (2X))

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	1.0	93	94	1.1				70 - 130	30	
1,1,1-Trichloroethane	ND	1.0	99	101	2.0				70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	0.50	93	93	0.0				70 - 130	30	
1,1,2-Trichloroethane	ND	1.0	92	93	1.1				70 - 130	30	
1,1-Dichloroethane	ND	1.0	99	101	2.0				70 - 130	30	

QA/QC Data

SDG I.D.: GCN59813

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,1-Dichloroethene	ND	1.0	100	103	3.0				70 - 130	30
1,1-Dichloropropene	ND	1.0	97	99	2.0				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	96	98	2.1				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	97	97	0.0				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	97	100	3.0				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	95	96	1.0				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	96	98	2.1				70 - 130	30
1,2-Dibromoethane	ND	1.0	94	96	2.1				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	94	95	1.1				70 - 130	30
1,2-Dichloroethane	ND	1.0	98	99	1.0				70 - 130	30
1,2-Dichloropropane	ND	1.0	89	91	2.2				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	96	97	1.0				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	95	95	0.0				70 - 130	30
1,3-Dichloropropane	ND	1.0	93	93	0.0				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	93	95	2.1				70 - 130	30
2,2-Dichloropropane	ND	1.0	99	101	2.0				70 - 130	30
2-Chlorotoluene	ND	1.0	94	95	1.1				70 - 130	30
2-Hexanone	ND	5.0	87	85	2.3				70 - 130	30
2-Isopropyltoluene	ND	1.0	98	98	0.0				70 - 130	30
4-Chlorotoluene	ND	1.0	95	96	1.0				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	94	94	0.0				70 - 130	30
Acetone	ND	5.0	89	88	1.1				70 - 130	30
Acrylonitrile	ND	5.0	99	102	3.0				70 - 130	30
Benzene	ND	0.70	90	92	2.2				70 - 130	30
Bromobenzene	ND	1.0	93	95	2.1				70 - 130	30
Bromochloromethane	ND	1.0	90	93	3.3				70 - 130	30
Bromodichloromethane	ND	0.50	91	92	1.1				70 - 130	30
Bromoform	ND	1.0	93	93	0.0				70 - 130	30
Bromomethane	ND	1.0	116	123	5.9				70 - 130	30
Carbon Disulfide	ND	1.0	96	98	2.1				70 - 130	30
Carbon tetrachloride	ND	1.0	97	100	3.0				70 - 130	30
Chlorobenzene	ND	1.0	93	94	1.1				70 - 130	30
Chloroethane	ND	1.0	95	96	1.0				70 - 130	30
Chloroform	ND	1.0	90	93	3.3				70 - 130	30
Chloromethane	ND	1.0	84	84	0.0				70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	88	90	2.2				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	90	92	2.2				70 - 130	30
Dibromochloromethane	ND	0.50	93	94	1.1				70 - 130	30
Dibromomethane	ND	1.0	94	96	2.1				70 - 130	30
Dichlorodifluoromethane	ND	1.0	85	88	3.5				70 - 130	30
Ethylbenzene	ND	1.0	95	95	0.0				70 - 130	30
Hexachlorobutadiene	ND	0.40	112	113	0.9				70 - 130	30
Isopropylbenzene	ND	1.0	98	99	1.0				70 - 130	30
m&p-Xylene	ND	1.0	95	96	1.0				70 - 130	30
Methyl ethyl ketone	ND	5.0	94	87	7.7				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	100	102	2.0				70 - 130	30
Methylene chloride	ND	1.0	91	93	2.2				70 - 130	30
Naphthalene	ND	1.0	95	97	2.1				70 - 130	30
n-Butylbenzene	ND	1.0	103	104	1.0				70 - 130	30
n-Propylbenzene	ND	1.0	98	99	1.0				70 - 130	30
o-Xylene	ND	1.0	93	93	0.0				70 - 130	30
p-Isopropyltoluene	ND	1.0	100	101	1.0				70 - 130	30
sec-Butylbenzene	ND	1.0	99	100	1.0				70 - 130	30

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Styrene	ND	1.0	92	93	1.1				70 - 130	30
tert-Butylbenzene	ND	1.0	98	100	2.0				70 - 130	30
Tetrachloroethene	ND	1.0	99	101	2.0				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	94	95	1.1				70 - 130	30
Toluene	ND	1.0	92	94	2.2				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	100	102	2.0				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	93	94	1.1				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	86	87	1.2				70 - 130	30
Trichloroethene	ND	1.0	96	98	2.1				70 - 130	30
Trichlorofluoromethane	ND	1.0	109	112	2.7				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	111	114	2.7				70 - 130	30
Vinyl chloride	ND	1.0	91	95	4.3				70 - 130	30
% 1,2-dichlorobenzene-d4	99	%	100	100	0.0				70 - 130	30
% Bromofluorobenzene	98	%	99	99	0.0				70 - 130	30
% Dibromofluoromethane	99	%	100	100	0.0				70 - 130	30
% Toluene-d8	96	%	99	100	1.0				70 - 130	30

Comment:

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

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

QA/QC Batch 668516 (ug/kg), QC Sample No: CN60759 (CN59815, CN59824, CN59826)

Volatiles - Soil (Low Level)

1,1,1,2-Tetrachloroethane	ND	5.0	88	90	2.2				70 - 130	30
1,1,1-Trichloroethane	ND	5.0	89	89	0.0				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	3.0	85	84	1.2				70 - 130	30
1,1,2-Trichloroethane	ND	5.0	86	86	0.0				70 - 130	30
1,1-Dichloroethane	ND	5.0	89	90	1.1				70 - 130	30
1,1-Dichloroethene	ND	5.0	97	97	0.0				70 - 130	30
1,1-Dichloropropene	ND	5.0	89	90	1.1				70 - 130	30
1,2,3-Trichlorobenzene	ND	5.0	90	91	1.1				70 - 130	30
1,2,3-Trichloropropane	ND	5.0	84	84	0.0				70 - 130	30
1,2,4-Trichlorobenzene	ND	5.0	91	92	1.1				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	89	89	0.0				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	5.0	81	80	1.2				70 - 130	30
1,2-Dibromoethane	ND	5.0	89	89	0.0				70 - 130	30
1,2-Dichlorobenzene	ND	5.0	91	91	0.0				70 - 130	30
1,2-Dichloroethane	ND	5.0	88	88	0.0				70 - 130	30
1,2-Dichloropropane	ND	5.0	87	88	1.1				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	91	90	1.1				70 - 130	30
1,3-Dichlorobenzene	ND	5.0	91	91	0.0				70 - 130	30
1,3-Dichloropropane	ND	5.0	91	92	1.1				70 - 130	30
1,4-Dichlorobenzene	ND	5.0	91	91	0.0				70 - 130	30
2,2-Dichloropropane	ND	5.0	92	89	3.3				70 - 130	30
2-Chlorotoluene	ND	5.0	92	91	1.1				70 - 130	30
2-Hexanone	ND	25	82	84	2.4				70 - 130	30
2-Isopropyltoluene	ND	5.0	91	91	0.0				70 - 130	30
4-Chlorotoluene	ND	5.0	91	91	0.0				70 - 130	30
4-Methyl-2-pentanone	ND	25	84	82	2.4				70 - 130	30
Acetone	ND	10	81	77	5.1				70 - 130	30
Acrylonitrile	ND	5.0	83	80	3.7				70 - 130	30
Benzene	ND	1.0	88	89	1.1				70 - 130	30
Bromobenzene	ND	5.0	90	89	1.1				70 - 130	30

QA/QC Data

SDG I.D.: GCN59813

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Bromochloromethane	ND	5.0	91	89	2.2				70 - 130	30	
Bromodichloromethane	ND	5.0	84	84	0.0				70 - 130	30	
Bromoform	ND	5.0	80	82	2.5				70 - 130	30	
Bromomethane	ND	5.0	94	95	1.1				70 - 130	30	
Carbon Disulfide	ND	5.0	94	95	1.1				70 - 130	30	
Carbon tetrachloride	ND	5.0	83	86	3.6				70 - 130	30	
Chlorobenzene	ND	5.0	93	94	1.1				70 - 130	30	
Chloroethane	ND	5.0	94	98	4.2				70 - 130	30	
Chloroform	ND	5.0	89	88	1.1				70 - 130	30	
Chloromethane	ND	5.0	77	77	0.0				70 - 130	30	
cis-1,2-Dichloroethene	ND	5.0	90	86	4.5				70 - 130	30	
cis-1,3-Dichloropropene	ND	5.0	87	87	0.0				70 - 130	30	
Dibromochloromethane	ND	3.0	83	84	1.2				70 - 130	30	
Dibromomethane	ND	5.0	86	86	0.0				70 - 130	30	
Dichlorodifluoromethane	ND	5.0	65	64	1.6				70 - 130	30	l
Ethylbenzene	ND	1.0	90	91	1.1				70 - 130	30	
Hexachlorobutadiene	ND	5.0	87	86	1.2				70 - 130	30	
Isopropylbenzene	ND	1.0	91	91	0.0				70 - 130	30	
m&p-Xylene	ND	2.0	92	93	1.1				70 - 130	30	
Methyl ethyl ketone	ND	5.0	84	79	6.1				70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	86	85	1.2				70 - 130	30	
Methylene chloride	ND	5.0	92	91	1.1				70 - 130	30	
Naphthalene	ND	5.0	88	89	1.1				70 - 130	30	
n-Butylbenzene	ND	1.0	90	90	0.0				70 - 130	30	
n-Propylbenzene	ND	1.0	92	90	2.2				70 - 130	30	
o-Xylene	ND	2.0	89	91	2.2				70 - 130	30	
p-Isopropyltoluene	ND	1.0	91	91	0.0				70 - 130	30	
sec-Butylbenzene	ND	1.0	91	90	1.1				70 - 130	30	
Styrene	ND	5.0	79	80	1.3				70 - 130	30	
tert-Butylbenzene	ND	1.0	91	91	0.0				70 - 130	30	
Tetrachloroethene	ND	5.0	90	89	1.1				70 - 130	30	
Tetrahydrofuran (THF)	ND	5.0	86	82	4.8				70 - 130	30	
Toluene	ND	1.0	88	88	0.0				70 - 130	30	
trans-1,2-Dichloroethene	ND	5.0	90	89	1.1				70 - 130	30	
trans-1,3-Dichloropropene	ND	5.0	87	86	1.2				70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	90	89	1.1				70 - 130	30	
Trichloroethene	ND	5.0	92	93	1.1				70 - 130	30	
Trichlorofluoromethane	ND	5.0	89	90	1.1				70 - 130	30	
Trichlorotrifluoroethane	ND	5.0	97	96	1.0				70 - 130	30	
Vinyl chloride	ND	5.0	91	92	1.1				70 - 130	30	
% 1,2-dichlorobenzene-d4	100	%	100	100	0.0				70 - 130	30	
% Bromofluorobenzene	93	%	98	99	1.0				70 - 130	30	
% Dibromofluoromethane	94	%	97	95	2.1				70 - 130	30	
% Toluene-d8	94	%	96	96	0.0				70 - 130	30	

Comment:

The Low Level MS/MSD are not reported for this batch.

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

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

QA/QC Data

SDG I.D.: GCN59813

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

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

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

Phyllis Shiller, Laboratory Director
March 23, 2023

Thursday, March 23, 2023

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

State: NY

Sample Criteria Exceedances Report

GCN59813 - GIANCO

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CN59814	$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CN59814	$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CN59814	$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CN59817	$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CN59817	$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CN59817	$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CN59817	CD-WM	Cadmium	NY / TOGS - Water Quality / GA Criteria	0.015	0.001	0.005	0.005	mg/L
CN59817	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.335	0.001	0.05	0.05	mg/L
CN59817	NI-WM	Nickel	NY / TOGS - Water Quality / GA Criteria	0.254	0.001	0.1	0.1	mg/L
CN59817	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.105	0.001	0.025	0.025	mg/L
CN59818	$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.0006	0.0006	ug/L
CN59818	$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CN59818	$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
CN59818	CD-WM	Cadmium	NY / TOGS - Water Quality / GA Criteria	0.141	0.001	0.005	0.005	mg/L
CN59818	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.791	0.001	0.05	0.05	mg/L
CN59818	NI-WM	Nickel	NY / TOGS - Water Quality / GA Criteria	1.14	0.001	0.1	0.1	mg/L
CN59818	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	1.57	0.001	0.025	0.025	mg/L
CN59819	$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.0006	0.0006	ug/L
CN59819	$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CN59819	$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
CN59819	CD-WM	Cadmium	NY / TOGS - Water Quality / GA Criteria	0.044	0.001	0.005	0.005	mg/L
CN59819	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.459	0.001	0.05	0.05	mg/L
CN59819	NI-WM	Nickel	NY / TOGS - Water Quality / GA Criteria	0.417	0.001	0.1	0.1	mg/L
CN59819	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.508	0.001	0.025	0.025	mg/L
CN59820	$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CN59820	$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CN59820	$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CN59820	CD-WM	Cadmium	NY / TOGS - Water Quality / GA Criteria	0.055	0.001	0.005	0.005	mg/L
CN59820	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.677	0.001	0.05	0.05	mg/L
CN59820	NI-WM	Nickel	NY / TOGS - Water Quality / GA Criteria	1.13	0.001	0.1	0.1	mg/L
CN59820	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.612	0.001	0.025	0.025	mg/L
CN59822	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	91.6	0.8	50	50	mg/kg
CN59822	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	84.4	0.41	63	63	mg/Kg
CN59822	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	747	8.1	109	109	mg/Kg
CN59824	$8260SMRNY	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	53	26	50	50	ug/Kg
CN59827	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Commercial	8100	2500	5600	5600	ug/Kg

Thursday, March 23, 2023

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

State: NY

Sample Criteria Exceedances Report

GCN59813 - GIANCO

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CN59827	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Commercial	9900	2500	5600	5600	ug/Kg
CN59827	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	7700	2500	1000	1000	ug/Kg
CN59827	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Commercial	1300	250	560	560	ug/Kg
CN59827	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Industrial	7700	2500	1100	1100	ug/Kg
CN59827	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Industrial	1300	250	1100	1100	ug/Kg
CN59827	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	1300	250	330	330	ug/Kg
CN59827	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	9900	2500	1000	1000	ug/Kg
CN59827	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	5000	250	500	500	ug/Kg
CN59827	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	7000	250	1000	1000	ug/Kg
CN59827	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	7700	2500	1000	1000	ug/Kg
CN59827	$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2700	250	1000	1000	ug/Kg
CN59827	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	8100	2500	1000	1000	ug/Kg
CN59827	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	5000	250	500	500	ug/Kg
CN59827	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	9900	2500	1000	1000	ug/Kg
CN59827	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1300	250	330	330	ug/Kg
CN59827	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	8100	2500	1000	1000	ug/Kg
CN59827	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	7000	250	3900	3900	ug/Kg
CN59827	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	7700	2500	1000	1000	ug/Kg
CN59827	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5000	250	500	500	ug/Kg
CN59827	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1300	250	330	330	ug/Kg
CN59827	$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2700	250	800	800	ug/Kg
CN59827	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	7000	250	1000	1000	ug/Kg
CN59827	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	9900	2500	1000	1000	ug/Kg
CN59827	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	7700	2500	1000	1000	ug/Kg
CN59827	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	8100	2500	1000	1000	ug/Kg
CN59827	$8270-SMR	Chrysene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	7000	250	1000	1000	ug/Kg
CN59827	$8270-SMR	Benzo(k)fluoranthene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	2700	250	800	800	ug/Kg
CN59827	$8270-SMR	Benzo(b)fluoranthene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	9900	2500	1000	1000	ug/Kg
CN59827	$8270-SMR	Dibenz(a,h)anthracene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	1300	250	330	330	ug/Kg
CN59827	$8270-SMR	Benzo(a)pyrene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	7700	2500	1000	1000	ug/Kg
CN59827	$8270-SMR	Benz(a)anthracene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	8100	2500	1000	1000	ug/Kg
CN59827	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	5000	250	500	500	ug/Kg
CN59829	$8270-SMR	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	500	250	330	330	ug/Kg
CN59829	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	139	0.7	109	109	mg/Kg
CN59831	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.27	0.03	0.18	0.18	mg/Kg
CN59835	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	570	260	500	500	ug/Kg
CN59835	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	570	260	500	500	ug/Kg
CN59835	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	570	260	500	500	ug/Kg
CN59835	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	570	260	500	500	ug/Kg
CN59835	BA-SM	Barium	NY / 375-6.8 Metals / Commercial	913	0.41	400	400	mg/Kg

Thursday, March 23, 2023

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

State: NY

Sample Criteria Exceedances Report

GCN59813 - GIANCO

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CN59835	BA-SM	Barium	NY / 375-6.8 Metals / Residential	913	0.41	350	350	mg/Kg
CN59835	BA-SM	Barium	NY / 375-6.8 Metals / Residential Restricted	913	0.41	400	400	mg/Kg
CN59835	BA-SM	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	913	0.41	350	350	mg/Kg
CN59835	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.20	0.03	0.18	0.18	mg/Kg
CN59835	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	280	4.1	63	63	mg/Kg
CN59835	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	349	8.2	109	109	mg/Kg
CN59837	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Commercial	6600	280	5600	5600	ug/Kg
CN59837	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	9200	2800	1000	1000	ug/Kg
CN59837	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Commercial	1400	280	560	560	ug/Kg
CN59837	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Commercial	11000	2800	5600	5600	ug/Kg
CN59837	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Commercial	9600	2800	5600	5600	ug/Kg
CN59837	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Industrial	9200	2800	1100	1100	ug/Kg
CN59837	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Industrial	1400	280	1100	1100	ug/Kg
CN59837	$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	3800	280	1000	1000	ug/Kg
CN59837	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	9000	2800	1000	1000	ug/Kg
CN59837	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	11000	2800	1000	1000	ug/Kg
CN59837	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	9200	2800	1000	1000	ug/Kg
CN59837	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	6600	280	500	500	ug/Kg
CN59837	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	9600	2800	1000	1000	ug/Kg
CN59837	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	1400	280	330	330	ug/Kg
CN59837	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	11000	2800	1000	1000	ug/Kg
CN59837	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	9000	2800	3900	3900	ug/Kg
CN59837	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1400	280	330	330	ug/Kg
CN59837	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	9200	2800	1000	1000	ug/Kg
CN59837	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	6600	280	500	500	ug/Kg
CN59837	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	9600	2800	1000	1000	ug/Kg
CN59837	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	9200	2800	1000	1000	ug/Kg
CN59837	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	11000	2800	1000	1000	ug/Kg
CN59837	$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3800	280	800	800	ug/Kg
CN59837	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	9000	2800	1000	1000	ug/Kg
CN59837	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1400	280	330	330	ug/Kg
CN59837	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	6600	280	500	500	ug/Kg
CN59837	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	9600	2800	1000	1000	ug/Kg
CN59837	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	6600	280	500	500	ug/Kg
CN59837	$8270-SMR	Benz(a)anthracene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	9600	2800	1000	1000	ug/Kg
CN59837	$8270-SMR	Benzo(a)pyrene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	9200	2800	1000	1000	ug/Kg
CN59837	$8270-SMR	Benzo(b)fluoranthene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	11000	2800	1000	1000	ug/Kg
CN59837	$8270-SMR	Benzo(k)fluoranthene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	3800	280	800	800	ug/Kg
CN59837	$8270-SMR	Chrysene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	9000	2800	1000	1000	ug/Kg
CN59837	$8270-SMR	Dibenz(a,h)anthracene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	1400	280	330	330	ug/Kg
CN59837	BA-SM	Barium	NY / 375-6.8 Metals / Commercial	1180	0.39	400	400	mg/Kg

Thursday, March 23, 2023

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

State: NY

Sample Criteria Exceedances Report

GCN59813 - GIANCO

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CN59837	BA-SM	Barium	NY / 375-6.8 Metals / Residential	1180	0.39	350	350	mg/Kg
CN59837	BA-SM	Barium	NY / 375-6.8 Metals / Residential Restricted	1180	0.39	400	400	mg/Kg
CN59837	BA-SM	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	1180	0.39	350	350	mg/Kg
CN59837	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential	3.19	0.39	2.5	2.5	mg/Kg
CN59837	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	3.19	0.39	2.5	2.5	mg/Kg
CN59837	CU-SM	Copper	NY / 375-6.8 Metals / Commercial	324	7.7	270	270	mg/kg
CN59837	CU-SM	Copper	NY / 375-6.8 Metals / Residential	324	7.7	270	270	mg/kg
CN59837	CU-SM	Copper	NY / 375-6.8 Metals / Residential Restricted	324	7.7	270	270	mg/kg
CN59837	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	324	7.7	50	50	mg/kg
CN59837	HG-SM	Mercury	NY / 375-6.8 Metals / Commercial	8.32	0.31	2.8	2.8	mg/Kg
CN59837	HG-SM	Mercury	NY / 375-6.8 Metals / Industrial	8.32	0.31	5.7	5.7	mg/Kg
CN59837	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	8.32	0.31	0.81	0.81	mg/Kg
CN59837	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	8.32	0.31	0.81	0.81	mg/Kg
CN59837	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	8.32	0.31	0.18	0.18	mg/Kg
CN59837	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	47.5	0.39	30	30	mg/Kg
CN59837	PB-SM	Lead	NY / 375-6.8 Metals / Residential	658	3.9	400	400	mg/Kg
CN59837	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	658	3.9	400	400	mg/Kg
CN59837	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	658	3.9	63	63	mg/Kg
CN59837	ZN-SM	Zinc	NY / 375-6.8 Metals / Residential	2730	77	2200	2200	mg/Kg
CN59837	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	2730	77	109	109	mg/Kg
CN59838	$8260SMRNY	Naphthalene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	49000	1900	12000	12000	ug/Kg
CN59838	$8260SMRNY	Naphthalene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	49000	1900	12000	12000	ug/Kg
CN59838	$8260SMRNY	Total Xylenes	NY / 375-6.8 Volatiles / Unrestricted Use Soil	850	250	260	260	ug/Kg
CN59838	$8260SMRNY	Total Xylenes	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	850	250	260	260	ug/Kg
CN59839	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	28000	2800	1000	1000	ug/Kg
CN59839	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Commercial	20000	2800	5600	5600	ug/Kg
CN59839	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Commercial	31000	2800	5600	5600	ug/Kg
CN59839	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Commercial	4100	280	560	560	ug/Kg
CN59839	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Commercial	14000	2800	5600	5600	ug/Kg
CN59839	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Industrial	4100	280	1100	1100	ug/Kg
CN59839	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Industrial	31000	2800	11000	11000	ug/Kg
CN59839	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Industrial	28000	2800	1100	1100	ug/Kg
CN59839	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Industrial	14000	2800	11000	11000	ug/Kg
CN59839	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Industrial	20000	2800	11000	11000	ug/Kg
CN59839	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	28000	2800	1000	1000	ug/Kg
CN59839	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	4100	280	330	330	ug/Kg
CN59839	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	14000	2800	500	500	ug/Kg
CN59839	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	20000	2800	1000	1000	ug/Kg
CN59839	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	31000	2800	1000	1000	ug/Kg
CN59839	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	17000	2800	1000	1000	ug/Kg

Thursday, March 23, 2023

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

State: NY

Sample Criteria Exceedances Report

GCN59813 - GIANCO

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CN59839	$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	8900	2800	1000	1000	ug/Kg
CN59839	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	4100	280	330	330	ug/Kg
CN59839	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	17000	2800	3900	3900	ug/Kg
CN59839	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	14000	2800	500	500	ug/Kg
CN59839	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	28000	2800	1000	1000	ug/Kg
CN59839	$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	8900	2800	3900	3900	ug/Kg
CN59839	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	20000	2800	1000	1000	ug/Kg
CN59839	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	31000	2800	1000	1000	ug/Kg
CN59839	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	14000	2800	500	500	ug/Kg
CN59839	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	17000	2800	1000	1000	ug/Kg
CN59839	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	31000	2800	1000	1000	ug/Kg
CN59839	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	20000	2800	1000	1000	ug/Kg
CN59839	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	28000	2800	1000	1000	ug/Kg
CN59839	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4100	280	330	330	ug/Kg
CN59839	$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	8900	2800	800	800	ug/Kg
CN59839	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	14000	2800	500	500	ug/Kg
CN59839	$8270-SMR	Dibenz(a,h)anthracene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	4100	280	330	330	ug/Kg
CN59839	$8270-SMR	Benzo(a)pyrene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	28000	2800	1000	1000	ug/Kg
CN59839	$8270-SMR	Chrysene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	17000	2800	1000	1000	ug/Kg
CN59839	$8270-SMR	Benzo(b)fluoranthene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	31000	2800	1000	1000	ug/Kg
CN59839	$8270-SMR	Benzo(k)fluoranthene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	8900	2800	800	800	ug/Kg
CN59839	$8270-SMR	Benz(a)anthracene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	20000	2800	1000	1000	ug/Kg
CN59839	BA-SM	Barium	NY / 375-6.8 Metals / Residential	400	0.40	350	350	mg/Kg
CN59839	BA-SM	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	400	0.40	350	350	mg/Kg
CN59839	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.66	0.03	0.18	0.18	mg/Kg
CN59839	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	263	4.0	63	63	mg/Kg
CN59839	TCLP-PB	TCLP Lead	EPA / 40 CFR 261.24 / Toxicity Characteristics	5.72	0.10	5	5	mg/L
CN59839	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	401	7.9	109	109	mg/Kg
CN59842	$8260SMRNY	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	56	30	50	50	ug/Kg

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

March 23, 2023 SDG I.D.: GCN59813

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

Herbicide Narration

AU-ECD2 03/16/23-1: CN59816, CN59822, CN59825, CN59827, CN59829, CN59831, CN59833, CN59835, CN59837, CN59839, CN59841, CN59843

The following Continuing Calibration compounds did not meet % deviation criteria:
Samples: CN59816, CN59822, CN59825
Preceding CC 316A003 - None.
Succeeding CC 316A015 - Dinoseb 18%H (15%)
Samples: CN59827, CN59829, CN59831, CN59833, CN59835, CN59837, CN59839, CN59841, CN59843
Preceding CC 316A015 - Dinoseb 18%H (15%)
Succeeding CC 316A028 - None.

PCB Narration

AU-ECD7 03/16/23-1: CN59825, CN59827, CN59829, CN59831, CN59833, CN59835, CN59837, CN59839, CN59841, CN59843

The following Continuing Calibration compounds did not meet % deviation criteria:
Samples: CN59843
Preceding CC 316B015 - DCBP SURR 17%L (15%)
Succeeding CC 316B028 - None.

SVOA Narration

CHEM07 03/15/23-1: CN59816, CN59822, CN59825, CN59827, CN59829, CN59831, CN59833, CN59835, CN59837, CN59839, CN59841, CN59843

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 0.069 (0.1), Hexachlorobenzene 0.079 (0.1)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.067 (0.1), Bis(2-chloroethyl)ether 0.679 (0.7), Hexachlorobenzene 0.076 (0.1)
The following Continuing Calibration compounds did not meet minimum response factors: None.

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

VOA Narration

CHEM02 03/15/23-2: CN59814, CN59817, CN59820

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

March 23, 2023 SDG I.D.: GCN59813

Chem02 is a 25ml purge instrument. The laboratory minimum response factor is set at 0.01 instead of 0.05 for the 25ml purge instruments. EPA method 8260D Table 4 supports this approach.

The following Initial Calibration compounds did not meet RSD% criteria: 1,2-Dibromo-3-chloropropane 21% (20%), Bromomethane 30% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.
The following Initial Calibration compounds did not meet recommended response factors: 1,2-Dibromo-3-chloropropane 0.031 (0.05), 2-Hexanone 0.062 (0.1), 4-Methyl-2-pentanone 0.077 (0.1), Acetone 0.032 (0.1), Acrylonitrile 0.039 (0.05), Bromoform 0.072 (0.1), Methyl ethyl ketone 0.047 (0.1), Tetrachloroethene 0.182 (0.2), Tetrahydrofuran (THF) 0.032 (0.05)
The following Initial Calibration compounds did not meet minimum response factors: 1,2-Dibromo-3-chloropropane 0.031 (0.05), Acetone 0.032 (0.05), Acrylonitrile 0.039 (0.05), Methyl ethyl ketone 0.047 (0.05), Tetrahydrofuran (THF) 0.032 (0.05)

The following Continuing Calibration compounds did not meet recommended response factors: 1,2-Dibromo-3-chloropropane 0.034 (0.05), Acetone 0.036 (0.05), Acrylonitrile 0.046 (0.05), Tetrahydrofuran (THF) 0.036 (0.05)
The following Continuing Calibration compounds did not meet minimum response factors: 1,2-Dibromo-3-chloropropane 0.031 (0.05), Acetone 0.032 (0.05), Acrylonitrile 0.039 (0.05), Tetrahydrofuran (THF) 0.032 (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%.

CHEM02 03/16/23-1: CN59818, CN59819

Chem02 is a 25ml purge instrument. The laboratory minimum response factor is set at 0.01 instead of 0.05 for the 25ml purge instruments. EPA method 8260D Table 4 supports this approach.

The following Initial Calibration compounds did not meet RSD% criteria: 1,2-Dibromo-3-chloropropane 21% (20%), Bromomethane 30% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.
The following Initial Calibration compounds did not meet recommended response factors: 1,2-Dibromo-3-chloropropane 0.031 (0.05), 2-Hexanone 0.062 (0.1), 4-Methyl-2-pentanone 0.077 (0.1), Acetone 0.032 (0.1), Acrylonitrile 0.039 (0.05), Bromoform 0.072 (0.1), Methyl ethyl ketone 0.047 (0.1), Tetrachloroethene 0.182 (0.2), Tetrahydrofuran (THF) 0.032 (0.05)
The following Initial Calibration compounds did not meet minimum response factors: 1,2-Dibromo-3-chloropropane 0.031 (0.05), Acetone 0.032 (0.05), Acrylonitrile 0.039 (0.05), Methyl ethyl ketone 0.047 (0.05), Tetrahydrofuran (THF) 0.032 (0.05)

The following Continuing Calibration compounds did not meet recommended response factors: 1,2-Dibromo-3-chloropropane 0.031 (0.05), Acetone 0.030 (0.05), Acrylonitrile 0.042 (0.05), Methyl ethyl ketone 0.048 (0.05), Tetrahydrofuran (THF) 0.030 (0.05)
The following Continuing Calibration compounds did not meet minimum response factors: 1,2-Dibromo-3-chloropropane 0.031 (0.05), Acetone 0.032 (0.05), Acrylonitrile 0.039 (0.05), Methyl ethyl ketone 0.047 (0.05), Tetrahydrofuran (THF) 0.032 (0.05)

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

CHEM03 03/15/23-2: CN59821, CN59826

The following Initial Calibration compounds did not meet RSD% criteria: Chloroethane 25% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.
The following Initial Calibration compounds did not meet recommended response factors: Acetone 0.081 (0.1), Tetrachloroethene 0.190 (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%.

CHEM03 03/16/23-1: CN59815, CN59824, CN59826

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

March 23, 2023 SDG I.D.: GCN59813

The following Initial Calibration compounds did not meet RSD% criteria: Chloroethane 25% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.
The following Initial Calibration compounds did not meet recommended response factors: Acetone 0.081 (0.1), Tetrachloroethene 0.190 (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%.

CHEM03 03/17/23-1: CN59828

The following Initial Calibration compounds did not meet RSD% criteria: Chloroethane 25% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.
The following Initial Calibration compounds did not meet recommended response factors: Acetone 0.081 (0.1), Tetrachloroethene 0.190 (0.2)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet % deviation criteria: Dichlorodifluoromethane 32%L (30%)
The following Continuing Calibration compounds did not meet Maximum % deviation criteria: None.

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

CHEM31 03/15/23-2: CN59813, CN59823, CN59838

The following Initial Calibration compounds did not meet RSD% criteria: 1,2-Dibromo-3-chloropropane 23% (20%), Bromoform 23% (20%), Chloroethane 23% (20%), trans-1,4-dichloro-2-butene 40% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.
The following Initial Calibration compounds did not meet recommended response factors: Bromodichloromethane 0.174 (0.2), Bromoform 0.070 (0.1), Tetrachloroethene 0.126 (0.2), Trichloroethene 0.196 (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%.

CHEM31 03/16/23-1: CN59830, CN59832, CN59834, CN59836, CN59840, CN59842

The following Initial Calibration compounds did not meet RSD% criteria: 1,2-Dibromo-3-chloropropane 23% (20%), Bromoform 23% (20%), Chloroethane 23% (20%), trans-1,4-dichloro-2-butene 40% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.
The following Initial Calibration compounds did not meet recommended response factors: Bromodichloromethane 0.174 (0.2), Bromoform 0.070 (0.1), Tetrachloroethene 0.126 (0.2), Trichloroethene 0.196 (0.2)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet % deviation criteria: Chloroethane 32%H (30%)
The following Continuing Calibration compounds did not meet Maximum % deviation criteria: None.

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

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

March 23, 2023

SDG I.D.: GCN59813

The samples in this delivery group were received at 10.1°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

pg. 1/3

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

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

Temp 10.1 °C Pg of

Contact Options:
☐ Phone:
☐ Fax:
☐ Email:

Customer: Cameo Env
Address: 35 Pinelawn Rd (Ste 209E)
Melville, NY

Project: SPL - SANDRESPC
Report to: Jenni Cheung
Invoice to:
QUOTE # :

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature ______ Date: 3/14/23

Analysis Request

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

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled		VOCs 8260	SVOCs TAL Herb	TPH GRO/DRO, PCB	Ignit Reactivity Corros.	TAL Metals, TCLP Metals	PFT, Hex Cr, Hg	pH, Hex Cr Flash pt, TSS phenol	NPM, Total CN, Cr, Pb, Hg, Ni, Zn
59813	TB031423LL	DW	3/14/23	1200		X							
59814	FB031423	DW	3/14/23	1200		X							
59815	SB-04 Grab (9.5-10)	S	3/13/23	1200		X							
59816	SB-04 Composite	S	3/13/23	1205			X	X	X	X	X		
59817	TW-04	GW	3/14/23	1410		X						X	X
59818	TW-09	↓	↓	1335		X						X	X
59819	TW-11	↓	↓	1315		X						X	X
59820	TW-13	↓	↓	1245		X						X	X
59821	SB-09 Grab (5.5-6)	S	3/13/23	1450		X							
59822	SB-09 Comp	S	3/13/23	1455			X	X	X	X	X		
59823	TB HL												

SAMPLE #	GL Amber 8 oz. w/H3PO4	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container (4) oz	GL Soil container (8) oz	40 ml VOA Vial [ ] As is [X] HCl	GL Amber 1000ml [ ] As is [X] H2SO4	PL As is [ ] 250ml [ ] 500ml [X] 1000ml	PL H2SO4 [X] 250ml [ ] 500ml	PL NAOH 250ml	PL HNO3 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is	8oz amber as is
59813		2			3								
59814					3								1
59815		5			3								
59816			1	2	[illegible]								
59817	1				3	1	1	1					
59818	1				3	1	1	1					
59819	1				3	1	1	1					
59820	1				3	1	1	1					
59821		5			3								
59822	[illegible]		1	2	[illegible]								
59823		1											

Relinquished by:	Accepted by:	Date:	Time:
Jaime McKeon	[signature]	3/15/23	11:20

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

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ Impact to GW soil screen Criteria
☐ GW Criteria

NY
☒ TOGS GW
☒ CP-51 SOIL
☒ 375SCO Unrestricted Soil
☒ 375SCO Residential Soil
☒ 375SCO Residential Restricted Soil
☒ 375SCO Commercial Soil
☒ 375SCO Industrial Soil
☒ Subpart 5 DW

PA
☐ Clean Fill Limits
☐ PA-GW
☐ Reg Fill Limits
☐ PA Soil Restricted
☐ PA Soil non-restricted

State Samples Collected? ______

Comments, Special Requirements or Regulations:

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

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

PEL-111 Rev 10/2021

pg. 2/3

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

NY/NJ/PA CHAIN OF CUSTODY RECORD

Temp 10.1 °C Pg of

PHOENIX
Environmental Laboratories, Inc.

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

Contact Options:
[ ] Phone:
[ ] Fax:
[ ] Email:

Customer: Gianco Env
Address: 35 Pinelawn Rd (209E-Ste)
Melville, NY

Project: SPL - SAND RESPC
Report to: Jerri Cherlin
Invoice to:
QUOTE # :

Project P.O.:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature ______ Date: 3/14/23

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		VOC 8260	SVOC, TPH, Herb	Grp DRO, PCB	Ignit, React, Corrosivity	TAL metals, TCLP metals	PFT, Hex Cr, Hg			GL Amber 8 oz. w/H3PO4	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container (8) oz	GL Soil container (4) 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
59824	SB-11 grab (14.5-15)	S	3/14/23	930		X									5			3							
59825	SB-11 Comp	S	↓	935			X	X	X	X	X					2	18	X							
59826	SB-13 grab (7.5-8)	S	↓	1100		X									5			3							
59827	SB-13 composite	S	↓	1105			X	X	X	X	X					2	13	5							
59828	SB-1 grab (9.5-10)	↓	3/13/23	930		X									5			3							
59829	SB-1 Composite	↓	↓	935			X	X	X	X	X					2	18	5							
59830	SB-2 grab (9.5-10)	↓	↓	1015		X									5			3							
59831	SB-2 Composite	↓	↓	1020			X	X	X	X	X					2	18	5							
59832	SB-3 grab (12.5-13)	↓	↓	1130		X									5			3							
59833	SB-3 Composite	↓	↓	1135			X	X	X	X	X					2	18	5							

Relinquished by:	Accepted by:	Date:	Time:
Jenn Myhre	[signature]	3/15/23	11:20

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

* SURCHARGE APPLIES

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

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

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

State Samples Collected? ______

Comments, Special Requirements or Regulations:

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

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

PEL-111 Rev 10/2021

P9. 3/3

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

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

Temp 10.1 °C Pg of

Contact Options:
[ ] Phone:
[ ] Fax:
[ ] Email:

Customer: Gianco Env
Address: 35 Pinelawn Rd, 209E Melville, NY
Project: SPL - SAAD Res PC
Report to: Jenni Cherlin
Invoice to:
QUOTE # :
Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification
Sampler's Signature ______ Date: 3/14/23

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: VOC 8260; SVOC, TPH, Herb; Pest/PCB; Ignit, React, Corr; T.A.L Metals, TCLP Metals; PFAS, Hex Cr, Hg

Bottle columns: GL Amber 8 oz. w/H3PO4; Soil VOA Vials [ ] methanol [ ] H2O; GL Soil container (8) oz; GL Soil container (4) oz; 40 ml VOA Vial [ ] As is [x] HCl; GL Amber 1000ml [ ] As is [ ] H2SO4 [ ] 1000ml; PL As is [ ] 250ml [ ] 500ml [ ] 1500ml; PL H2SO4 [ ] 250ml [ ] 500ml; PL NAOH 250ml; PL HNO3 250ml; Bacteria Bottle w/thio; Bacteria Bottle as is

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOC 8260	SVOC, TPH, Herb	Pest/PCB	Ignit, React, Corr	TAL Metals, TCLP	PFAS, Hex Cr, Hg			GL Amber 8 oz	Soil VOA Vials	GL Soil 8 oz	GL Soil 4 oz	40 ml VOA Vial
59834	SB07 grab (1-1.5)	S	3/13/23	1250	X									5			X
59835	SB07 Comp	↓	↓	1255		X	X	X	X	X					2	1	X
59836	SB08 grab (6.5-7)			1350	X									5			X
59837	SB08 Composite			1355		X	X	X	X	X					2	1	X
59838	SB10 grab (6-6.5)			1515	X									5			X
59839	SB10 Comp		↓	1520		X	X	X	X	X					2	1	X
59840	SB12 grab (7.5-8)		3/14/23	1025	X									5			X
59841	SB12 Composite			1030		X	X	X	X	X					2	1	X
59842	SB14 grab (7.5-8)			1150	X									5			X
59843	SB14 Composite	↓	↓	1155		X	X	X	X	X					2	1	X

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	3/15/23	11:20

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

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

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

PA
[ ] Clean Fill Limits
[ ] PA-GW
[ ] Reg Fill Limits
[ ] PA Soil Restricted
[ ] PA Soil non-restricted
State Samples Collected? ______

Comments, Special Requirements or Regulations:

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

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

PEL-111 Rev 10/2021

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

Temp 10.1 °C Pg of

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:

Customer: CARICO Env
Address: 35 Pinelawn Rd (Ste 209E)
Melville, NY

Project: SB - SANDRESPC
Report to: Jenni Cheuk
Invoice to:
QUOTE # :

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 3/14/23

Analysis Request

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

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled		VOCs 8260	SVOCs	TPH GRO/DRO, PCBs	Ignit, Reactivity, Corrosivity	TAL Metals, TCLP	CFT Hex, Hg	pH, Hex, Flash pt, TSS, Phenol	NPM Total	GL Amber 8 oz	Soil VOA Vials	GL Soil container (4) 1oz	GL Soil container (8) 1oz	40 ml VOA Vials	GL Amber 1000ml	PL As is 250ml	PL H2SO4 250ml	PL NaOH 250ml	PL HNO3 250ml	Sediment Bottle w/HNO3	Sediment Bottle as is	8oz
59813	TB031423LL	DW	3/14/23	1200		X									2			3								
59814	FB031423	DW	3/14/23	1200		X												3								1
59815	SB-04 Grab (9.5-10)	S	3/13/23	1200		X									5			8								
59816	SB-04 Composite	S	3/13/23	1?05			X	X	X	X	X					1B	2	[illegible]								
59817	TW-04	GW	3/14/23	~~1410~~	1440	X						X	X	1				3	1	1	1					
59818	TW-09	↓	↓	~~1235~~	1405	X						X	X	1				3	1	1	1					
59819	TW-11	↓	↓	~~1315~~	1345	X						X	X	1				3	1	1	1					
59820	TW-13	↓	↓	~~1245~~	1315	X						X	X	1				3	1	1	1					
59821	SB-09 grab (5.5-6)	S	3/13/23	1450		X									5			8								
59822	SB-09 Comp	S	3/13/23	1455			X	X	X	X	X				[illegible]	1B	2	5								
59823	TBHL														1											

Relinquished by:	Accepted by:	Date:	Time:
Jaimi M Klein [signature]	[signature]	3/15/23	11:20

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

* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ Impact to GW soil screen Criteria
☐ GW Criteria

NY
☒ TOGS GW
☒ CP-51 SOIL
☒ 375SCO Unrestricted Soil
☒ 375SCO Residential Soil
☒ 375SCO Residential Restricted Soil
☒ 375SCO Commercial Soil
☒ 375SCO Industrial Soil
☒ Subpart 5 DW

PA
☐ Clean Fill Limits
☐ PA-GW
☐ Reg Fill Limits
☐ PA Soil Restric
☐ PA Soil non-rest

State Samples Coll

Comments, Special Requirements or Regulations:

revised coc per client (MN)

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

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

Appendix E

Water Sampling

Requirements

SAMPLING REQUIREMENTS AND LIMITATIONS

Parameter[1]	**Daily Limit**	**Units**	**Sample Type**	**Monthly Limit**
Non-polar material[2]	50	mg/l	Instantaneous	---
pH	5-12	SU's	Instantaneous	---
Temperature	< 150	Degree F	Instantaneous	---
Flash Point	> 140	Degree F	Instantaneous	---
Cadmium	2 0.69	mg/l mg/l	Instantaneous Composite	--- ---
Chromium (VI)	5	mg/l	Instantaneous	---
Copper	5	mg/l	Instantaneous	---
Lead	2	mg/l	Instantaneous	---
Mercury	0.05	mg/l	Instantaneous	---
Nickel	3	mg/l	Instantaneous	---
Zinc	5	mg/l	Instantaneous	---
Benzene	134	ppb	Instantaneous	57
Carbontetrachloride	---	---	Composite	---
Chloroform	---	---	Composite	---
1,4 Dichlorobenzene	---	---	Composite	---
Ethylbenzene	380	ppb	Instantaneous	142
MTBE (Methyl-Tert-Butyl-Ether)	50	ppb	Instantaneous	---
Naphthalene	47	ppb	Composite	19
Phenol	---	---	Composite	---
Tetrachloroethylene (Perc)	20	ppb	Instantaneous	---
Toluene	74	ppb	Instantaneous	28
1,2,4 Trichlorobenzene	---	---	Composite	---
1,1,1 Trichloroethane	---	---	Composite	---
Xylenes (Total)	74	ppb	Instantaneous	28
PCB's (Total)[3]	1	ppb	Composite	---
Total Suspended Solids (TSS)	350	mg/l	Instantaneous	---
CBOD	---	---	Composite	---
Chloride	---	---	Instantaneous	---
Total Nitrogen[4]	---	---	Composite	---
Total Solids	---	---	Instantaneous	---
Other				

1 All handling and preservation of collected samples and laboratory analyses of samples shall be performed in accordance with 40 C.F.R. pt. 136. If 40 C.F.R. pt. 136 does not cover the pollutant in question, the handling, preservation, and analysis must be performed in accordance with the latest edition of "Standard Methods for the Examination of Water and Wastewater." All analyses shall be performed using a detection level less than the lowest applicable regulatory discharge limit. If a parameter does not have a limit, then the detection level is defined as the method detection limit (MDL) and limit of quantitation (LOQ) required by the analytical method that is used to analyze the parameter. If the method does not contain an MDL or LOQ, the lab must use an approved method that does contain an MDL or LOQ. If none of the approved methods contain an MDL or LOQ for that parameter then the lab must develop its own LOQ, and report it with the analytical results.

2 Non-Polar Material shall mean that portion of the oil and grease that is not eliminated from a solution containing N–Hexane, or any other extraction solvent the EPA shall prescribe, by silica gel absorption.

3 Analysis for PCB's must be done by EPA method 608 with MDL=<65 ppt. PCB's (total) is the sum of PCB-1242 (Aroclor 1242), PCB-1254 (Aroclor 1254), PCB-1221 (Aroclor 1221), PCB-1232 (Aroclor 1232), PCB-1248 (Aroclor 1248), PCB-1260 (Aroclor 1260) and PCB-1016 (Aroclor 1016).

4 Total Nitrogen = Total Kjeldahl Nitrogen (TKN) + Nitrite (NO_2) + Nitrate (NO_3).