

Phase II Environmental Site Assessment

December 13th, 2024

Privileged and Confidential Information

Disclose only to Authorized Parties

Conducted at:

**Rothman Group
403-405 & 413-415 Main Street
Port Washington, NY 11050**

Tax Map Designation:

**Section: 5
Block: C
Lot: 461-463, 428 & 429**

Prepared for:

**Rothman Group
403-405 & 413-415 Main Street, Port Washington, NY 11050**

Prepared by:

**Galli Engineering, P.C.
35 Pinelawn Road, Suite 209E
Melville, NY 11747**



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1.0 INTRODUCTION

On September 11th, 2024, Galli Engineering, P.C. conducted a Phase I Environmental Site Assessment at the Subject Properties. The findings of this assessment resulted in a Phase II Environmental Site Assessment which required a Ground Penetrating Radar Survey, and groundwater, soil, and air sampling to be performed at the Subject Property. The Phase II Environmental Site Assessment was conducted by Galli Engineering P.C., with the assistance of PG Environmental, on October 29th, October 30th, and October 31st, 2024, at the property located at 403-405 and 413-415 Main Street, Port Washington, NY, herein identified as the "Subject Properties". The subject properties are designated on the NY Tax Map as: Section 5 Block C, Lots 461-463, 428, and 429 (5 lots). The site sampling location figure, boring logs, photos, and laboratory reports are attached.

1.1 Purpose

Given the findings of the Phase I Environmental Site Assessment, a Phase II ESA be performed in order to determine the extent, if any, soil or water contamination is currently present at the site.

This Phase II ESA was conducted to investigate potential adverse environmental conditions at the site in accordance with standard industry practice as defined in the American Society for Testing and Materials (ASTM) Standard: Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process.

1.2 Background

The Subject Properties are owned by Rothman Group, located at 403-405 and 413-415 Main Street, Port Washington, NY. Operations on the property included Long Island Boat Rentals, Be Fit PT, Restaurant La Parma and Cambell's Carpet Store. Additionally, the Subject Properties were discovered to have been listed on the RCRA/ECHO, NY Manifest, ERNS, Spills, EDR Hist

Auto and FINDS EDR databases. The project area encompasses the entirety of Lots 461, 463, 428, and 429.

1.3 Scope of Work

The scope of work associated with this Phase II ESA includes sixteen (16) soil borings to a depth of approximately 10' below ground surface (bgs) with the exception of SB-1 that went to approximately 15', five (5) temporary groundwater wells, one (1) ambient air sample, seven (7) soil vapor samples to a depth of 3' below ground surface (bgs), and a Ground Penetrating Radar (GPR) survey. Each soil boring contained one grab sample from the highest Photoionization Detector (PID) reading and one composite sample comprised of five distinct vertical zones. The soil, water, and air samples collected as part of this investigation and were sent to Phoenix Environmental Laboratories, Inc.

2.0 SITE ASSESSMENT METHODOLOGY

The Phase II ESA fieldwork was conducted from October 29th, 2024 to October 31st, 2024. This work was conducted in accordance with industry practice as defined in the ASTM Standard: Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process (E 1527- 21). Galli Engineering performed oversight, soil, soil vapor, and ground water sampling with PG Environmental to provide soil boring services.

2.1 Ground Penetrating Radar Survey

A ground penetrating radar survey was performed on October 30th, 2024 to determine the location of utility services to clear all of the boring locations.

2.2 Soil Sampling

A total of sixteen (16) soil borings were performed at the subject property and were designated SB-1 through SB-16. The soil borings were advanced using a Geoprobe Marco-Core Sampler to a depth of 15 feet below grade surface (bgs), in order to characterize the quality of soil and determine if any contamination exists. All soil boring locations are shown on the Sample Location Figure provided in Appendix A. Soil boring logs are included in Appendix B.

Each soil boring location contained one grab sample from the highest Photoionization Detector (PID) reading and one composite sample comprised of five distinct vertical zones. PID readings are reported in the soil boring logs in Appendix B. Samples were collected and placed in the appropriate jars, containing the proper preservative, and properly labeled. The samples were stored with ice in a cooler to preserve the samples at 4° Celsius prior to and during shipment. A chain-of-custody was prepared, prior to sample shipment. All samples were sent to Phoenix Environmental Laboratories, Inc. Following the completion of each boring, the boreholes were back-filled with drill cuttings, and then topped off with a blacktop/asphalt sealer.

The soil was sampled for the following analysis for both delineation and disposal purposes:

- VOCS

- SVOCS
- TAL METALS
- TCLP METALS
- CHROMIUM VI
- PCBS
- PESTICIDES
- HERBICIDES
- IGNITABILITY
- CORROSIVITY
- REACTIVE CYANIDE
- REACTIVE SULFIDE
- TPH GRO & DRO
- PAINT FILTER TEST

The sample results were compared with NYSDEC Part 375 Restricted Residential standards since the property is proposing to demolish the current buildings and replace them with a two-story residential building over a semi-underground parking level and two to three separate single-story buildings with retail/restaurants.

2.3 Groundwater Sampling

The Subject Property was sampled in five groundwater locations (refer to Appendix A). All five (5) groundwater sampling locations were temporary wells installed in the same location as the soil borings. The temporary wells were constructed with 1" diameter PVC casings and a 5' long PVC 10 slot screen (with the exception of TW-1 that used 10' of screen). The groundwater samples were collected with weighted bailers (refer to Appendix B for the core logs).

All the groundwater was sampled for the following analysis for both delineation and disposal purposes:

- VOCS
- SVOCS
- TAL METALS
- DISSOLVED METALS
- CHROMIUM VI
- PCBS
- PESTICIDES
- HERBICIDES
- IGNITABILITY
- CORROSIVITY
- REACTIVE CYANIDE
- REACTIVE SULFIDE
- TPH GRO & DRO

The sample results were compared with NYSDEC TOGS 1.1.1 standards.

2.4 Soil Vapor and Ambient Air Sampling

The Subject Property collected one Ambient Air sample (AA-1) that was positioned upwind in the breathing zone and then sampled seven (7) soil vapor locations (refer to Appendix A). The soil vapor locations were drilled to approximately 3'bgs (above the water table) and sampled with poly tubing and 1L Summa canisters set for 5 minutes in order to collect all the possible volatile contaminants coming from the ground. The ambient air sample was collected with a 6L Summa canister set for 8 hours in order to get a composite of all the possible volatile contaminants in the air.

3.0 INVESTIGATION RESULTS

The laboratory results for the samples collected from the subject property are discussed below.

3.1 Soil Sample Analytical Results

There were sixteen (16) soil boring locations sampled at 403-405 Main Street and 413-415 Main Street.

The following table highlights the results that exceeded the NYSDEC Part 375 Residential Restricted criteria and the EPA Toxicity Characteristics. The NYSDEC Part 375 Residential Restricted criteria results column is highlighted in yellow.

Sample ID	Exceedances	NYSDEC Part 375 Residential Restricted Criteria	Results
SB-3	Lead	400mg/Kg	954mg/Kg
	Mercury	.81mg/Kg	2.25mg/Kg
SB-6	Mercury	.81mg/Kg	.98mg/Kg
Sample ID	Exceedances	EPA Toxicity Characteristics	Results
SB-5	TCLP Lead	5 mg/Kg	19.9 mg/Kg

3.2 Groundwater Sampling Analytical Results

The groundwater analytical results did have detections that failed the NYSDEC TOGS 1.1.1 ambient values. The following table highlights the results that exceeded the NYSDEC TOGS 1.1.1 standard criteria.

Sample ID	Exceedances	NYSDEC TOGS 1.1.1	Results
TW-1	Aluminum	.1 mg/L	63.8 mg/L
	Antimony	.003 mg/L	.014 mg/L
	Arsenic	.025 mg/L	.134 mg/L
	Chromium	.05 mg/L	.124 mg/L
	Copper	0.02 mg/L	.873 mg/L
	Iron	0.3 mg/L	57.8 mg/L
	Lead	0.025 mg/L	95.7 mg/L
	Magnesium	35 mg/L	911 mg/L
	Manganese	0.3 mg/L	5.85 mg/L
	Mercury	0.0007 mg/L	.0027 mg/L
	Sodium	20 mg/L	7390 mg/L
	Lead (Dissolved)	0.025 mg/L	.221 mg/L
	Magnesium (Dissolved)	35 mg/L	861 mg/L
	Manganese (Dissolved)	.3 mg/L	.553 mg/L
	Sodium (Dissolved)	20 mg/L	7050 mg/L
	Benz(a)anthracene	.002 ug/L	.2 ug/L
	Benzo(b)fluoranthene	.002 ug/L	.14 ug/L
	Benzo(k)fluoranthene	.002 ug/L	.16 ug/L
	Chrysene	.002 ug/L	.2 ug/L
	Indeno(1,2,3-cd)pyrene	.002 ug/L	.47 ug/L
TW-2	Aluminum	.1 mg/L	49.7 mg/L
	Antimony	.003 mg/L	.009 mg/L
	Arsenic	.025 mg/L	.09 mg/L
	Chromium	.05 mg/L	.201 mg/L
	Copper	0.02 mg/L	1.4 mg/L
	Iron	0.3 mg/L	83.9 mg/L
	Lead	.025 mg/L	1.95 mg/L
	Magnesium	35 mg/L	959 mg/L
	Manganese	.3 mg/L	2.11 mg/L

	Mercury	.0007 mg/L	.0015 mg/L
	Sodium	20 mg/L	8160 mg/L
	Magnesium (Dissolved)	35 mg/L	930 mg/L
	Manganese (Dissolved)	.3 mg/L	.343 mg/L
TW-3	Aluminum	.1 mg/L	1.81 mg/L
	Iron	0.3 mg/L	1.93 mg/L
	Lead	.025 mg/L	.279 mg/L
	Magnesium	35 mg/L	942 mg/L
	Sodium	20 mg/L	8070 mg/L
	Magnesium (Dissolved)	35 mg/L	927mg/L
	Sodium (Dissolved)	20 mg/L	7900 mg/L
	Benz(a)anthracene	.002 ug/L	0.3 ug/L
	Benzo(b)fluoranthene	.002 ug/L	0.27 ug/L
	Benzo(k)fluoranthene	.002 ug/L	0.26 ug/L
	Chrysene	.002 ug/L	0.34 ug/L
	Indeno(1,2,3-cd)pyrene	.002 ug/L	0.18 ug/L
TW-10	Aluminum	.1 mg/L	88.6 mg/L
	Arsenic	.025 mg/L	.1 mg/L
	Chromium	.05 mg/L	.213 mg/L
	Iron	.3 mg/L	69.6 mg/L
	Lead	.025 mg/L	.263 mg/L
	Magnesium	35 mg/L	446 mg/L
	Manganese	.3 mg/L	1.06 mg/L
	Sodium	20 mg/L	3560 mg/L
	Magnesium (Dissolved)	35 mg/L	428 mg/L
	Sodium (Dissolved)	20 mg/L	3590 mg/L
	Benz(a)anthracene	.002 ug/L	.24 ug/L
	Benzo(b)fluoranthene	.002 ug/L	.24 ug/L
	Benzo(k)fluoranthene	.002 ug/L	.24 ug/L
	Chrysene	.002 ug/L	.28 ug/L
	Indeno(1,2,3-cd)pyrene	.002 ug/L	.27 ug/L

TW-11	Aluminum	.1 mg/L	42.3 mg/L
	Antimony	.003 mg/L	.029 mg/L
	Arsenic	.025 mg/L	.139 mg/L
	Barium	1 mg/L	1.52mg/L
	Chromium	.05 mg/L	.081 mg/L
	Copper	.2 mg/L	1.19 mg/L
	Iron	.3 mg/L	225 mg/L
	Lead	.025 mg/L	2.88 mg/L
	Magnesium	35 mg/L	944 mg/L
	Manganese	.3 mg/L	1.84 mg/L
	Mercury	.0007 mg/L	.0015 mg/L
	Nickel	.1 mg/L	.15 mg/L
	Sodium	20 mg/L	7750 mg/L
	Magnesium (Dissolved)	35 mg/L	902 mg/L
	Sodium (Dissolved)	20 mg/L	7080 mg/L
	Benz(a)anthracene	.002 ug/L	4.2 ug/L
	Benzo(b)fluoranthene	.002 ug/L	3.5 ug/L
	Benzo(k)fluoranthene	.002 ug/L	3.6 ug/L
	Chrysene	.002 ug/L	4.5 ug/L
	Indeno(1,2,3-cd)pyrene	.002 ug/L	2.5 ug/L

3.3 Soil Vapor and Ambient Air Sampling Analytical Results

The Subject Property collected one Ambient Air sample (AA-1) that was positioned upwind in the breathing zone and then sampled all seven (7) soil vapor locations. All vapor samples utilized the TO-15 analysis method and were below the New York State Soil Vapor (SS) standard. However, when the Ambient Air sample was compared to the Soil Vapor samples it can be concluded that overall there were more contaminants with higher concentrations observed in the soil vapor samples than the ambient air sample (refer to Appendix D).

4.0 CONCLUSIONS AND RECOMMENDATIONS

Galli Engineering, P.C. has prepared this Phase II Environmental Site Assessment (ESA) report for 403-405 Main Street and 413-415 Main Street to determine if the past and current use of the subject property has impacted the environmental quality of the air, soil, and groundwater. The property is proposing to demolish the current buildings and replace them with a two-story residential building over a semi-underground parking level and two to three separate single-story buildings with retail/restaurants. Sixteen soil borings, one ambient air sample, seven (7) soil vapor samples, and five (5) temporary wells were performed to determine the environmental quality of the Subject Property. These samples were submitted to a certified laboratory for testing under EPA methods that included heavy metals, PCBs, volatiles, semi-volatiles, and pesticides.

Based on the analytical data, Galli Engineering concludes the following:

- The groundwater analytical results did have detections that failed the NYSDEC TOGS 1.1.1 ambient values
- All five groundwater sampling wells have exceedances in Lead for NYSDEC TOGS 1.1.1 Criteria
- The following parameters had exceedances in NYSDEC Part 375 Residential Restricted Criteria: Mercury exceeded in SB-3 and SB-6; Lead in SB-3.
- TCLP Lead levels exceeded EPA Toxicity Characteristics in composite sample SB-5. Any TCLP Metals that exceed EPA Toxicity Characteristics are considered hazardous waste. These exceedances may be attributed to the quality of the fill material or being in close proximity to any potential environmental concerns of contamination.
- The Ambient Air sample was compared to the Soil Vapor samples it can be concluded that overall there were more contaminants with higher concentrations observed in the soil vapor samples than the ambient air sample.

Galli Engineering recommends the following:

- The New York State Department of Environmental Conservation should be contacted before dewatering or excavation of soil and/or disposal of soil for foundation or utilities is implemented.
- Soils excavated from the site during construction activities and any dewatering should be handled as contaminated regulated waste and disposed of at a proper disposal facility. The excavation budget should identify provisions and a contingency for managing, handling, transporting, and disposing of both nonhazardous and hazardous contaminated waste.
- Since the Soil Vapor samples overall had higher and more constituents detected than the Ambient Air sample it is recommended that before any buildings are demolished that Indoor Air sampling and additional sub-slab sampling be conducted in order to determine if an active or passive sub-slab venting system needs to be installed for the proposed buildings to be constructed.

GALLI ENGINEERING, P.C.

Richard D. Galli, P.E.
President

12/13/2024

Date

PREPARED BY:



Name: Richard D. Galli, P.E.

Certification and Certification Number:
NYS Professional Engineer #59461

APPENDIX A

SAMPLE LOCATION & CHEMBOX FIGURES

- SOIL BORING & TEMP WELL
- SOIL BORING
- SOIL VAPOR

LOT

Sample ID	Exceedances	NYSDEC Part 375 Residential Restricted Criteria	Results
SB-3	Lead	400mg/Kg	954mg/Kg
	Mercury	.81mg/Kg	2.25mg/Kg

Sample ID	Exceedances	NYSDEC TOGS 1.1.1	Results
TW3	Aluminum	.1 mg/L	1.81 mg/L
	Iron	0.3 mg/L	1.93 mg/L
	Lead	.025 mg/L	.279 mg/L
	Magnesium	35 mg/L	942 mg/L
	Sodium	20 mg/L	8070 mg/L
	Magnesium (Dissolved)	35 mg/L	927mg/L
	Sodium (Dissolved)	20 mg/L	7900 mg/L
	Benz(a)anthracene	.002 ug/L	0.3 ug/L
	Benzo(b)fluoranthene	.002 ug/L	0.27 ug/L
	Benzo(k)fluoranthene	.002 ug/L	0.26 ug/L
	Chrysene	.002 ug/L	0.34 ug/L
	Indeno(1,2,3-cd)pyrene	.002 ug/L	0.18 ug/L

Sample ID	Exceedances	NYSDEC TOGS 1.1.1	Results
TW2	Aluminum	.1 mg/L	49.7 mg/L
	Antimony	.003 mg/L	.009 mg/L
	Arsenic	.025 mg/L	.09 mg/L
	Chromium	.05 mg/L	.201 mg/L
	Copper	0.02 mg/L	1.4 mg/L
	Iron	0.3 mg/L	83.9 mg/L
	Lead	.025 mg/L	1.95 mg/L
	Magnesium	35 mg/L	959 mg/L
	Manganese	.3 mg/L	2.11 mg/L
	Mercury	.0007 mg/L	.0015 mg/L
	Sodium	20 mg/L	8160 mg/L
	Magnesium (Dissolved)	35 mg/L	930 mg/L
	Manganese (Dissolved)	.3 mg/L	.343 mg/L

Sample ID	Exceedances	NYSDEC Part 375 Residential Restricted Criteria	Results
SB-6	Mercury	.81mg/Kg	.98mg/Kg

Sample ID	Exceedances	EPA Toxicity Characteristics	Results
SB-5	TCLP Lead	5 mg/Kg	19.9 mg/Kg

Sample ID	Exceedances	NYSDEC TOGS 1.1.1	Results
TW-1	Aluminum	.1 mg/L	63.8 mg/L
	Antimony	.003 mg/L	.014 mg/L
	Arsenic	.025 mg/L	.134 mg/L
	Chromium	.05 mg/L	.124 mg/L
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Notes:
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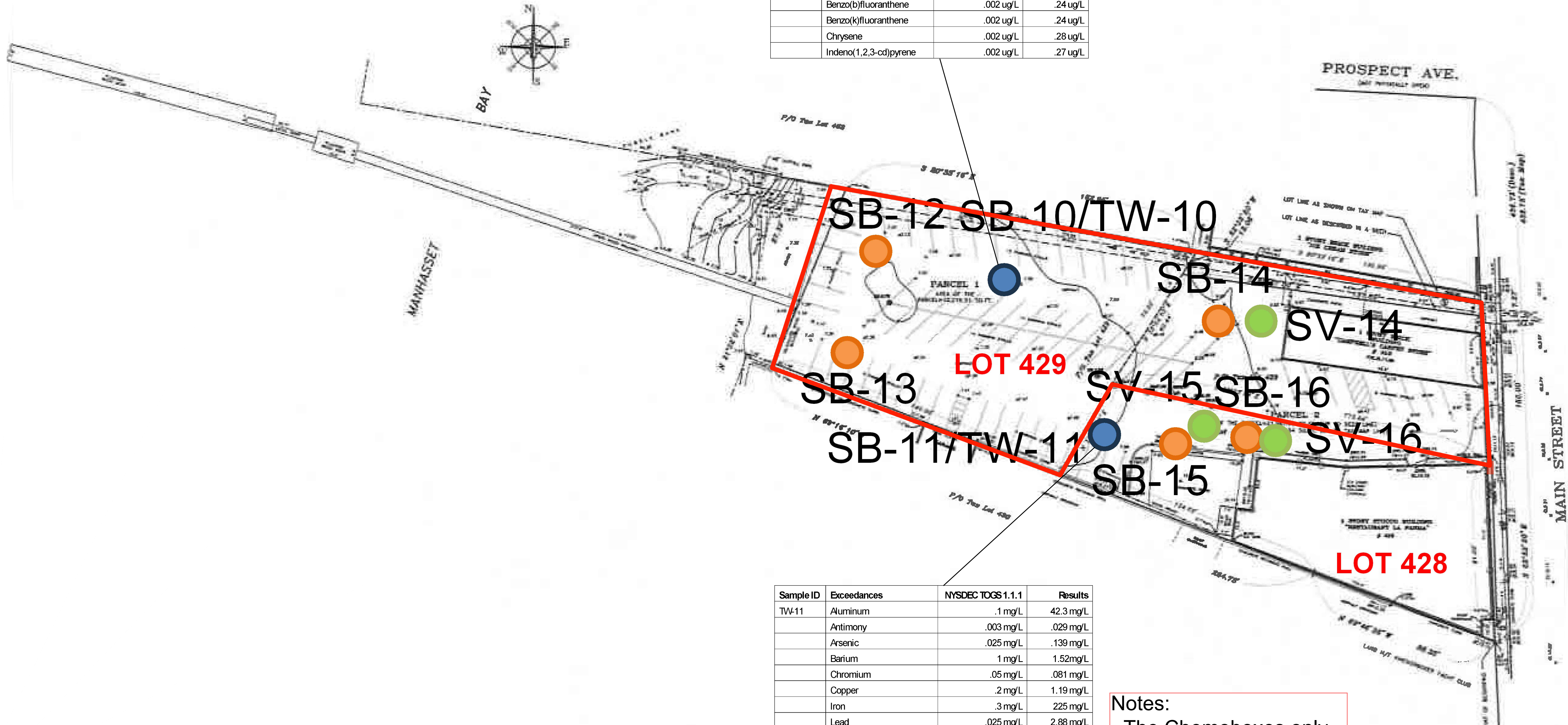
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JOB NO.	SS	Soil & Groundwater Chembox Figure	
DRAWN	JC	ROTHMAN GROUP 403-405 & 413-415 MAIN STREET PORT WASHINGTON, NY 11050	
CHECKED	RDG		
APPROVED			
SEAL			
DATE	SCALE	DRAWING NO.	
12-13-2024	AS SHOWN		

Galli engineering, p.c.
35 Pinelawn Road, Suite 209E
Melville, New York 11747

- SOIL BORING & TEMP WELL
- SOIL BORING
- SOIL VAPOR

LOT

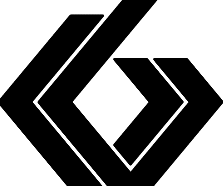
Sample ID	Exceedances	NYSDEC TOGS 1.1.1	Results
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	Benzo(k)fluoranthene	.002 ug/L	3.6 ug/L
	Chrysene	.002 ug/L	4.5 ug/L
	Indeno(1,2,3-cd)pyrene	.002 ug/L	2.5 ug/L

Notes:
- The Chemoboxes only contain results that exceeded their standards.

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REV.	DATE	DESCRIPTION	BY
JOB NO.		Soil & Groundwater Chembox Figure	
DRAWN	SS		
CHECKED	JC		
APPROVED	RDG	ROTHMAN GROUP 403-405 & 413-415 MAIN STREET PORT WASHINGTON, NY 11050	
SEAL		 Galli engineering, p.c. 35 Pinelawn Road, Suite 209E Melville, New York 11747	
DATE	SCALE		DRAWING NO.
12-13-2024	AS SHOWN		

APPENDIX B

FIELD LOGS

COMPANY PG	 GALLI ENGINEERING, P.C.	LOGGED BY SC SHEET 1 OF 1 DATE START 10/29/19 DATE COMPLETED 10/29/19 BORING NUMBER SB-1 / TH-1 (8' - 15')
DRILLING METHOD Geoprobe		
SAMPLING METHOD Macro Core		

DEPTH	BLOWS	SAMPLE ID	PID	USCS	DESCRIPTION
0 - 5	N/A		N/A		Concrete & Gravel
5 - 10'	2.5'		H0.5	SP	Gravelly sand, gray, wet = G-b/s.
10 - 15	5'		H2.5	SP	gray gravelly sand, wet. odor
		SB-1 Grb (14.5 - 15') 14:35			
		SB-1 comp 14:40			
* Note: 10/30/19 DTG (TCC) = 6.9' DTB = 9.7'					

Consistency	Blow Count	UCC (TSF)
Very Soft	0-2	0-0.25
Soft	3-4	0.25 - 0.50
Medium Stiff	5-8	0.50 - 1.00
Stiff	9-16	1.00 - 2.00
Very Stiff	17-32	2.00 - 4.00
Hard	32+	> 4.00

UCC = Unconfined Compressive Strength
TSF = Tons per Square Foot

Relative Density	Blow Count	Phi (°)
Very loose	0-4	18-28
Loose	5-10	28-30
Medium Dense	11-30	30-36
Dense	31-50	36-41
Very Dense	50+	41

Phi (°) = Angle of Internal Friction

COMPANY PG	 GALLI ENGINEERING, P.C.	LOGGED BY SC SHEET 1 OF 1 DATE START 10/30/14 DATE COMPLETED 10/31/14 BORING NUMBER SB-2 / TC-1 (S-10')
DRILLING METHOD Geoprobe SAMPLING METHOD Macro Core		

DEPTH	BLOWS	SAMPLE ID	PID	USCS	DESCRIPTION
0-5	4'		MA		Gravel concrete
5-10	4.5'	SB-2 Grb (9.5'-10') 10cm	H21	SP	(5-6') Gravel / concrete (6'-10') Gray, gravelly sand, wet. slight odor.
		SB-2 Comp 10/10cm			
<u>Note:</u> 10/30/14 DTC (T₉₀) = 0.9' DTB = 9.9'					

Consistency	Blow Count	UCC (TSF)
Very Soft	0-2	0-0.25
Soft	3-4	0.25 - 0.50
Medium Stiff	5-8	0.50 - 1.00
Stiff	9-16	1.00 - 2.00
Very Stiff	17-32	2.00 - 4.00
Hard	32+	> 4.00

UCC = Unconfined Compressive Strength
TSF = Tons per Square Foot

Relative Density	Blow Count	Phi (°)
Very loose	0-4	18-28
Loose	5-10	28-30
Medium Dense	11-30	30-36
Dense	31-50	36-41
Very Dense	50+	41

Phi (°) = Angle of Internal Friction

COMPANY PG	 GALLI ENGINEERING, P.C.	LOGGED BY JE SHEET 1 OF 1 DATE START 10/30/24 DATE COMPLETED 11/30/24 BORING NUMBER SB-3 / TW-3 (CS-10')
DRILLING METHOD Geoprobe		
SAMPLING METHOD macro core		

DEPTH	BOWS	SAMPLE ID	PID	USCS	DESCRIPTION
0-5'	4'				(0-2') Gravel / some wood & bark
5-10'	3'		0.5' SM 2.0' SP		(2-5') Dark Grey, sand silt mix, (5-8') Grey, gravelly sand mix, wet.
		SB-3 Grab (9.5-10) 10:30 SB-3 Comp 10:35		SM	(8-10') Dark Grey, sand silt mix, wet, & s.s.
<u>Note:</u> 10/30/25 DTW (TWC) $\approx$ 5.0' DTB $\approx$ 10.1'					

TABLE 1 Cohesive (Silt and Clays)		
Consistency	Blow Count	UCC (TSF)
Very Soft	0-2	0-0.25
Soft	3-4	0.25 - 0.50
Medium Stiff	5-8	0.50 - 1.00
Stiff	9-16	1.00 - 2.00
Very Stiff	17-32	2.00 - 4.00
Hard	32+	> 4.00

UCC = Unconfined Compressive Strength
TSF = Tons per Square Foot

TABLE 2 Non-Cohesive (Sands and Gravels)		
Relative Density	Blow Count	Phi (ϕ)
Very loose	0-4	18-28
Loose	5-10	28-30
Medium Dense	11-30	30-36
Dense	31-50	36-41
Very Dense	50+	41

Phi (ϕ) = Angle of Internal Friction

COMPANY	 GALLI ENGINEERING, P.C.	LOGGED BY	sc
DRILLING METHOD		SHEET	1 OF 1
		DATE START	10/30/05
		DATE COMPLETED	10/30/05
SAMPLING METHOD		BORING NUMBER	SB-4

Consistency	Blow Count	UCC (TSF)
Very Soft	0-2	0-0.25
Soft	3-4	0.25 - 0.50
Medium Stiff	5-8	0.50-1.00
Stiff	9-16	1.00 - 2.00
Very Stiff	17-32	2.00 - 4.00
Hard	32+	> 4.00

UCC = Unconfined Compressive Strength
TSF = Tons per Square Foot

DEPTH	BLOWS	SAMPLE ID	PID	USCS	DESCRIPTION
0-5'	4.5'			SM	(0'-3') Gravel/Brick/concrete #93pt/ft.
5-10'	3'			SP	(3'-5') Dark Grey, Sand silt mix, dry.
					(5'-10') Dark Grey, Gravel sand mix, wet.
		SP-5 Grab (9.5-10) 11am			
		SP-5 Comp 1110am			

Relative Density	Blow Count	$\Phi (\varphi)$
Very loose	0-4	18-28
Loose	5-10	28-30
Medium Dense	11-30	30-36
Dense	31-50	36-41
Very Dense	50+	41

$\Phi (\varphi)$ = Angle of Internal Friction

COMPANY <i>PG</i>	 GALLI ENGINEERING, P.C.	LOGGED BY <i>[Signature]</i> SHEET <i>1</i> OF <i>1</i> DATE START <i>12/20/29</i> DATE COMPLETED <i>12/20/29</i> BORING NUMBER <i>SB-7</i>
DRILLING METHOD <i>Geoprobe</i>		
SAMPLING METHOD <i>malacore</i>		

DEPTH	BLOWS	SAMPLE ID	PID	USCS	DESCRIPTION
0-5'	2.5'		N/A (not available)	SM	(0-2.5') gravel/concrete (2.5'-5') Brown, sand & silt mix, dry.
5-10'	2.5'			SM	(5'-6') Brown ~~fine~~ sand & silt mix, some gravel, dry.
				SC	(6'-8') Brown, clayey silt, damp.
				SP	(8'-10') Dark brown/black, Gravelly sand, wet, clays.
14:30 SB-8 Geob (9.5-10') 14:35 SB-8 comp					

TABLE 1 Cohesive (Sils and Clays)		
Consistency	Blow Count	UCC (TSF)
Very Soft	0-2	0-0.25
Soft	3-4	0.25 - 0.50
Medium Stiff	5-8	0.50 - 1.00
Stiff	9-16	1.00 - 2.00
Very Stiff	17-32	2.00 - 4.00
Hard	32+	> 4.00

UCC = Unconfined Compressive Strength
TSF = Tons per Square Foot

TABLE 2 Non-Cohesive (Sands and Gravels)		
Relative Density	Blow Count	Phi (°)
Very loose	0-4	18-28
Loose	5-10	28-30
Medium Dense	11-30	30-36
Dense	31-50	36-41
Very Dense	50+	41

Phi (°) = Angle of Internal Friction

COMPANY PG	 GALLI ENGINEERING, P.C.	LOGGED BY SC SHEET 1 OF 1 DATE START 10/30/19 DATE COMPLETED 10/30/19 BORING NUMBER SB-8 / SV-8 (3)
DRILLING METHOD Geoprobe		
SAMPLING METHOD macrocone		

DEPTH	BLOWS	SAMPLE ID	PID	USCS	DESCRIPTION
0-5	4.5'			SM	(0-2.5') Gravel / concrete (2.5'-5') Brown, sand & silt mix, dry.
5-10'	4'			SC	(5'-9.5') Brown, clayey silt, clump
			N/A & not working	SP	(9.5'-10') Black, Gravelly sand, wet, odorless.
		1410 SB-8 Grab (9.5'-10') SB-8 composite 141B			

TABLE 1 Cohesive (Silt and Clays)		
Consistency	Blow Count	UCC (TSF)
Very Soft	0-2	0-0.25
Soft	3-4	0.25 - 0.50
Medium Stiff	5-8	0.50 - 1.00
Stiff	9-16	1.00 - 2.00
Very Stiff	17-32	2.00 - 4.00
Hard	32+	> 4.00

UCC = Unconfined Compressive Strength
TSF = Tons per Square Foot

TABLE 2 Non-Cohesive (Sands and Gravels)		
Relative Density	Blow Count	Phi (φ)
Very loose	0-4	18-28
Loose	5-10	28-30
Medium Dense	11-30	30-36
Dense	31-50	36-41
Very Dense	50+	41

Phi (φ) = Angle of Internal Friction

[illegible]

Relative Density	Blow Count	$\Phi I (\varphi)$
Very loose	0-4	18-28
Loose	5-10	28-30
Medium Dense	11-30	30-36
Dense	31-50	36-41
Very Dense	50+	41

$\Phi I (\varphi)$ = Angle of Internal Friction

COMPANY PG	 GALLI ENGINEERING, P.C.	LOGGED BY SC SHEET 1 OF 1 DATE START 10/31/24 DATE COMPLETED 10/31/24 BORING NUMBER SB-10 / TG-10 / CS-10
DRILLING METHOD Geoprobe		
SAMPLING METHOD macro		

DEPTH	BLOWS	SAMPLE ID	PID	USCS	DESCRIPTION
0-5'	2.5'		N/A (not used)	SM	(0-2.5') Gravel/Concrete (2.5'-5') Brown, silt & sand mix, some gravel dry.
5-10'	2.5'	10:30 SB-19 Grab (9.5'-10') 10:35 SB-10 Comp.		SC	(5'-10') Brownish Grey, clayey silt, some gravel, wet. odors.
					Note: ~~XXXXXXXXXX~~ DTG (TAC) ≈ 5.6' DTB (TAC) ≈ 9.4'

Consistency	Blow Count	UCC (TSF)
Very Soft	0-2	0-0.25
Soft	3-4	0.25 - 0.50
Medium Stiff	5-8	0.50 - 1.00
Stiff	9-16	1.00 - 2.00
Very Stiff	17-32	2.00 - 4.00
Hard	32+	> 4.00

UCC = Unconfined Compressive Strength
TSF = Tons per Square Foot

Relative Density	Blow Count	Phi (°)
Very loose	0-4	18-28
Loose	5-10	28-30
Medium Dense	11-30	30-36
Dense	31-50	36-41
Very Dense	50+	41

Phi (°) = Angle of Internal Friction

COMPANY PG	 GALLI ENGINEERING, P.C.	LOGGED BY SC SHEET 1 OF 1 DATE START 10/31/24 DATE COMPLETED 10/31/24 BORING NUMBER SB-11 / Hw-11 (5-10')
DRILLING METHOD Geoprobe		
SAMPLING METHOD macro core		

DEPTH	BLOWS	SAMPLE ID	PID	USCS	DESCRIPTION
0-5'	2.5'		N/A	SM	(0-3') Gravel/Concrete (3'-5') Brown, silt + sand mix, dry.
(5'-10')	4.5'	10:00 SB-11 Grab (9.5'-10') 10:10 SB-11 Comp		SP	(5'-10') Greyish Brown, Gravelly sand, wet, odors.
					~~Note: [scribbled out]~~ DTW (TOL) $\approx$ 5' DTB $\approx$ 9.0' (TOL)

TABLE 1 Cohesive (Sils and Clays)		
Consistency	Blow Count	UCC (TSF)
Very Soft	0-2	0-0.25
Soft	3-4	0.25 - 0.50
Medium Stiff	5-8	0.50 - 1.00
Stiff	9-16	1.00 - 2.00
Very Stiff	17-32	2.00 - 4.00
Hard	32+	> 4.00
UCC = Unconfined Compressive Strength TSF = Tons per Square Foot		

TABLE 2 Non-Cohesive (Sands and Gravels)		
Relative Density	Blow Count	Phi (ϕ)
Very loose	0-4	18-28
Loose	5-10	28-30
Medium Dense	11-30	30-36
Dense	31-50	36-41
Very Dense	50+	41
Phi (ϕ) = Angle of Internal Friction		

COMPANY PG		 GALLI ENGINEERING, P.C.			LOGGED BY SC	
DRILLING METHOD Gleanable					SHEET 1 OF 1	
SAMPLING METHOD Macrocore					DATE START 10/31/09	
					DATE COMPLETED 10/31/09	
		BORING NUMBER SB-12				

DEPTH	BLOWS	SAMPLE ID	PID	USCS	DESCRIPTION
0-5'	3'		N/A	SM	(0'-2.5') Gravel/concrete.
5'-10'	4'		not working	SP	(2.5'-5') Brown, sand & silt mix, some gravel, dry.
				SP	(5'-7') Brown, gravelly sand, wet.
				SC	(7'-7.5') Grey, clayey silt, wet.
				SP	(7.5'-10') Grey, gravelly sand, wet. slight odors.
		11:10 SB-12 Grab (9.5'-10') 11:20 SB 12 comp			

TABLE 1 Cohesive (Silt and Clays)		
Consistency	Blow Count	UCC (TSF)
Very Soft	0-2	0-0.25
Soft	3-4	0.25 - 0.50
Medium Stiff	5-8	0.50 - 1.00
Stiff	9-16	1.00 - 2.00
Very Stiff	17-32	2.00 - 4.00
Hard	32+	> 4.00

UCC = Unconfined Compressive Strength
TSF = Tons per Square Foot

TABLE 2 Non-Cohesive (Sands and Gravels)		
Relative Density	Blow Count	Phi (φ)
Very loose	0-4	18-28
Loose	5-10	28-30
Medium Dense	11-30	30-36
Dense	31-50	36-41
Very Dense	50+	41

Phi (φ) = Angle of Internal Friction

COMPANY PG	 GALLI ENGINEERING, P.C.	LOGGED BY SC SHEET 1 OF 1 DATE START 10/31/09 DATE COMPLETED 10/31/09 BORING NUMBER SB-13
DRILLING METHOD Geoprobe		
SAMPLING METHOD malacore		

DEPTH	BLOWS	SAMPLE ID	PID	USCS	DESCRIPTION
0-5'	2'		AAA cont coring	SM	(0'-2.5') Gravel/concrete (2.5'-5') ~~tan~~ brown, sand & silt mix, some gravel, dry.
5-10'	3'			SP	(5'-8') Brown, Gravelly sand, wet, (8'-10') Dark grey (discolored) Gravelly sand, wet, slight odor.
10:55 SB-13 Grab (9.5'-10') 11:00 SB-13 comp					

TABLE 1 Cohesive (Sils and Clays)		
Consistency	Blow Count	UCC (TSF)
Very Soft	0-2	0-0.25
Soft	3-4	0.25 - 0.50
Medium Stiff	5-8	0.50 - 1.00
Stiff	9-16	1.00 - 2.00
Very Stiff	17-32	2.00 - 4.00
Hard	32+	> 4.00

UCC = Unconfined Compressive Strength
TSF = Tons per Square Foot

TABLE 2 Non-Cohesive (Sands and Gravels)		
Relative Density	Blow Count	Phi (φ)
Very loose	0-4	18-28
Loose	5-10	28-30
Medium Dense	11-30	30-36
Dense	31-50	36-41
Very Dense	50+	41

Phi (φ) = Angle of Internal Friction

COMPANY PG	 GALLI ENGINEERING, P.C.	LOGGED BY SC SHEET 1 OF 1 DATE START 10/31/24 DATE COMPLETED 10/31/24 BORING NUMBER SB-14 SV-14(3-)
DRILLING METHOD Geoprobe		
SAMPLING METHOD Macrocore		

DEPTH	BLOWS	SAMPLE ID	PID	USCS	DESCRIPTION
0-5'	3'		N/A (not working)	—	CO-0.5') Asphalt
				SM	(0.5'-1.5') Brown, sand & silt mix, dry.
				—	(1.5'-2.0') concrete/Asphalt
				SM	(2'-5') Brown, sand & silt mix, dry.
5'-10'	4'			SM	(5'-6') Brown, sand & silt mix, dry.
				SM	(6'-9') Brown, sand & silt mix, some gravel, wet.
				SM	(9'-10') Grey, sand & silt mix, some gravel, wet. Slight odor
12:20 SB-14 Grab (9.5'-10') 12:25 SB-14 comp					

Consistency	Blow Count	UCC (TSF)
Very Soft	0-2	0-0.25
Soft	3-4	0.25 - 0.50
Medium Stiff	5-8	0.50 - 1.00
Stiff	9-16	1.00 - 2.00
Very Stiff	17-32	2.00 - 4.00
Hard	32+	> 4.00
UCC = Unconfined Compressive Strength TSF = Tons per Square Foot		

Relative Density	Blow Count	Phi (φ)
Very loose	0-4	18-28
Loose	5-10	28-30
Medium Dense	11-30	30-36
Dense	31-50	36-41
Very Dense	50+	41
Phi (φ) = Angle of Internal Friction		

COMPANY <i>PG</i>	 GALLI ENGINEERING, P.C.	LOGGED BY <i>SC</i> SHEET <i>1</i> OF <i>1</i> DATE START <i>10/31/09</i> DATE COMPLETED <i>10/31/09</i> BORING NUMBER <i>SB-15</i> <i>SV-15(3')</i>
DRILLING METHOD <i>Geoprobe</i>		
SAMPLING METHOD <i>Macrocore</i>		

DEPTH	BLOWS	SAMPLE ID	PID	USCS	DESCRIPTION
<i>0-5'</i>	<i>2.5'</i>		<i>NIA</i> <i>(not working)</i>		<i>(0-2.5') Asphalt/concrete & gravel.</i>
				<i>SM</i>	<i>(2.5-5') Brown, sand & silt mix, dry.</i>
<i>5-10'</i>				<i>SC</i>	<i>(5'-10') Grey, clayey silt/sand & gravel, wet.</i>
		<i>1200</i> <i>SB-15 Grab</i> <i>(9.5'-10')</i> <i>12:10</i> <i>SB-15 comp</i>			

TABLE 1 Cohesive (Sils and Clays)		
Consistency	Blow Count	UCC (TSF)
Very Soft	0-2	0-0.25
Soft	3-4	0.25 - 0.50
Medium Stiff	5-8	0.50 - 1.00
Stiff	9-16	1.00 - 2.00
Very Stiff	17-32	2.00 - 4.00
Hard	32+	> 4.00

UCC = Unconfined Compressive Strength
TSF = Tons per Square Foot

TABLE 2 Non-Cohesive (Sands and Gravels)		
Relative Density	Blow Count	Phi (φ)
Very loose	0-4	18-28
Loose	5-10	28-30
Medium Dense	11-30	30-36
Dense	31-50	36-41
Very Dense	50+	41

Phi (φ) = Angle of Internal Friction

COMPANY <i>DF</i>	 GALLI ENGINEERING, P.C.	LOGGED BY <i>SC</i>
DRILLING METHOD <i>Geoprobe</i>		SHEET <i>1</i> OF <i>1</i>
SAMPLING METHOD <i>macro</i>		DATE START <i>10/31/29</i>
		DATE COMPLETED <i>10/31/29</i>
		BORING NUMBER <i>SB-16 / SV-16 (3-)</i>

DEPTH	DEWS	SAMPLE ID	PID	USCS	DESCRIPTION
0-5'	3'		N/A		(0-2.5') Gravel / Asphalt
			Not Working	SM	(2.5'-5') Brown, sand & silt mix, some gravel, dry.
5'-10'	4'			SM	(5'-6') Brown, sand & silt mix, some gravel, dry.
				SM	(6'-8.5') Brown, sand & silt clayey silt mix, some gravel, wet.
				SC	(8.5'-9') Black, clay silt, wood fragments, wet.
		11:28 SB-16 Grab (9.5'-10')		SP	(9'-10') Grey, Gravelly sand, some wet, slight odds.
		11:30 SB-16 comp			

TABLE 1 Cohesive (Sils and Clays)		
Consistency	Blow Count	UCC (TSF)
Very Soft	0-2	0-0.25
Soft	3-4	0.25 - 0.50
Medium Stiff	5-8	0.50 - 1.00
Stiff	9-16	1.00 - 2.00
Very Stiff	17-32	2.00 - 4.00
Hard	32+	> 4.00

UCC = Unconfined Compressive Strength
TSF = Tons per Square Foot

TABLE 2 Non-Cohesive (Sands and Gravels)		
Relative Density	Blow Count	Phi (φ)
Very loose	0-4	18-28
Loose	5-10	28-30
Medium Dense	11-30	30-36
Dense	31-50	36-41
Very Dense	50+	41

Phi (φ) = Angle of Internal Friction

APPENDIX C
SITE PHOTOGRAPHS



PHOTO 1:

Utility Markouts



PHOTO 2:

Geoprobe Macrocore
soil sample

PHOTO 3:

Temporary Well





PHOTO 4:

Ambient Air



PHOTO 5:

**Groundwater
sampling**

PHOTO 6:

Soil Vapor sample



PHOTO 7:

Geoprobe drilling



PHOTO 8:

Temporary Well



PHOTO 9:

Patched borehole



APPENDIX D
LABORATORY ANALYTICAL REPORT

Lab Sample Id
Collection Date
Client Id
Matrix

CAS	Units	Soil Vapor (SS)

[illegible]

Phoenix Environmental Laboratories, Inc.																																				
587 East Middle Turnpike P.O. Box 370 Manchester, CT 06040 (860) 645-1102				Lab Sample Id	CR96671				CR97606				CR97607				CR97608				CR97609				CR97610				CR97611				CR97612			
				Collection Date	10/30/2024				10/31/2024				10/31/2024				10/31/2024				10/31/2024				10/31/2024				10/31/2024							
				Client Id	AA-1				SV-14 (3')				SV-15 (3')				SV-16 (3')				SV-8 (3')				SV-9 (3')				SV-5 (3')				SV-1 (3')			
				Matrix	Air				Air				Air				Air				Air				Air				Air							
Project Id : INSPIRATION WHARF (PORT WASHINGTON)																																				
CAS				Units	Soil Vapor (SS)	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL							
Carbon Disulfide	75-15-0	ug/m3	6	< 1.00	1.00	6.75	5.01	15.5	5.01	9.37	5.01	19.1	5.01	36.1	5.01	6.32	5.01	25.5	5.01																	
Carbon Tetrachloride	56-23-5	ug/m3		0.47	0.20	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00							
Chlorobenzene	108-90-7	ug/m3		< 1.00	1.00	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01							
Chloroethane	75-00-3	ug/m3		< 1.00	1.00	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01							
Chloroform	67-66-3	ug/m3		< 1.00	1.00	< 4.98	4.98	7.42	4.98	< 4.98	4.98	< 4.98	4.98	< 4.98	4.98	< 4.98	4.98	< 4.98	4.98	< 4.98	4.98	< 4.98	4.98	< 4.98	4.98	< 4.98	4.98	< 4.98	4.98							
Chloromethane	74-87-3	ug/m3		1.16	1.00	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99							
Cis-1,2-Dichloroethene	156-59-2	ug/m3	6	< 0.20	0.20	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00							
cis-1,3-Dichloropropene	10061-01-5	ug/m3		< 1.00	1.00	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99							
Cyclohexane	110-82-7	ug/m3		< 1.00	1.00	31.1	4.99	26.8	4.99	35.1	4.99	27.5	4.99	24.4	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99							
Dibromochloromethane	124-48-1	ug/m3		< 1.00	1.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00							
Dichlorodifluoromethane	75-71-8	ug/m3		2.33	1.00	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99							
Ethanol	64-17-5	ug/m3		9.34	1.00	35.2	5.01	28.4	5.01	40.9	5.01	52	5.01	58.2	5.01	11.4	5.01	88.3	5.01																	
Ethyl acetate	141-78-6	ug/m3	100	< 1.00	1.00	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01							
Ethylbenzene	100-41-4	ug/m3		< 1.00	1.00	28.4	4.99	39.1	4.99	34.9	4.99	29.9	4.99	22.3	4.99	11	4.99	30.6	4.99																	
Heptane	142-82-5	ug/m3		1.1	1.00	16.8	5.00	21.1	5.00	16.8	5.00	47.5	5.00	16.3	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00							
Hexachlorobutadiene	87-68-3	ug/m3		< 1.00	1.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00							
Hexane	110-54-3	ug/m3		1.29	1.00	12.3	5.00	23.2	5.00	10.9	5.00	74.3	5.00	22.4	5.00	< 5.00	5.00	51.4	5.00																	
Isooctane	540-84-1	ug/m3		< 1.00	1.00	271	4.99	185	4.99	254	4.99	2,150	15.0	82	4.99	19.4	4.99	443	4.99																	
Isopropylalcohol	67-63-0	ug/m3	100	1.3	1.00	6.95	5.01	< 5.01	5.01	8.08	5.01	13.9	5.01	14.1	5.01	< 5.01	5.01	15.2	5.01																	
Isopropylbenzene	98-82-8	ug/m3		< 1.00	1.00	26.3	5.01	28.9	5.01	28.7	5.01	32.1	5.01	19.7	5.01	12.6	5.01	45.5	5.01																	
m,p-Xylene	179601-23-1	ug/m3		1.34	1.00	130	4.99	177	4.99	164	4.99	128	4.99	131	4.99	64.2	4.99	139	4.99																	
Methyl Ethyl Ketone	78-93-3	ug/m3		< 1.00	1.00	23.8	5.01	13.4	5.01	24.3	5.01	66.9	5.01	94.6	5.01	< 5.01	5.01	94.6	5.01																	
Methyl tert-butyl ether(MTBE)	1634-04-4	ug/m3		< 1.00	1.00	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01							
Methylene Chloride	75-09-2	ug/m3		< 3.00	3.00	< 15.0	15.0	< 15.0	15.0	< 15.0	15.0	< 15.0	15.0	< 15.0	15.0	< 15.0	15.0	< 15.0	15.0	< 15.0	15.0	< 15.0	15.0	< 15.0	15.0	< 15.0	15.0	< 15.0	15.0							
Naphthalene	91-20-3	ug/m3	100	1.85	1.05	94.2	5.23	110	5.23	134	5.23	67.5	5.23	99.4	5.23	162	5.23	96.3	5.23																	
n-Butylbenzene	104-51-8	ug/m3		< 1.00	1.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00							
o-Xylene	95-47-6	ug/m3		< 1.00	1.00	169	4.99	204	4.99	193	4.99	161	4.99	137	4.99	87.7	4.99	238	4.99																	
Propylene	115-07-1	ug/m3		< 1.00	1.00	44.7	5.01	189	5.01	170	5.01	121	5.01	488	9.99	17.1	5.01	621	9.99																	
sec-Butylbenzene	135-98-8	ug/m3		< 1.00	1.00	28.6	5.00	26.8	5.00	31.8	5.00	56	5.00	20.3	5.00	22.9	5.00	63.6	5.00																	
Styrene	100-42-5	ug/m3		< 1.00	1.00	< 4.98	4.98	< 4.98	4.98	< 4.98	4.98	< 4.98	4.98	< 4.98	4.98	< 4.98	4.98	< 4.98	4.98	< 4.98	4.98	< 4.98	4.98	< 4.98	4.98	< 4.98	4.98	< 4.98	4.98							
Tetrachloroethene	127-18-4	ug/m3	100	1.58	0.25	< 1.25	1.25	1.73	1.25	< 1.25	1.25	12.3	1.25	22.2	1.25	< 1.25	1.25	6.37	1.25																	
Tetrahydrofuran	109-99-9	ug/m3		< 1.00	1.00	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01	< 5.01	5.01							
Toluene	108-88-3	ug/m3		2.18	1.00	48.2	5.01	56.5	5.01	57.2	5.01	280	5.01	49.3	5.01	8.74	5.01	59.9	5.01																	
Trans-1,2-Dichloroethene	156-60-5	ug/m3		< 1.00	1.00	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99							
trans-1,3-Dichloropropene	10061-02-6	ug/m3		< 1.00	1.00	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99	< 4.99	4.99							
Trichloroethene	79-01-6	ug/m3		6	< 0.20	0.20	1.58	0.99	< 0.99	0.99	< 0.99	0.99	2.98	0.99	5.96	0.99	< 0.99	0.99	1.24	0.99																
Trichlorofluoromethane	75-69-4	ug/m3	1.15		1.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	10.4	5.00	91	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00							
Trichlorotrifluoroethane	76-13-1	ug/m3	< 1.00		1.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00	< 5.00	5.00							
Vinyl Chloride	75-01-4	ug/m3	< 0.20		0.20	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00							

Result Detected

RL Exceeds Criteria

Result Exceeds Criteria

[illegible]

Project: **INDUSTRIAL WASTE**

Sample	QID	Units	SPX Testing Characteristic	CP Lab Ref - Gas/Petrol Oil	SPX Gas	SPX Vol	SPX Metals	SPX Petroleum	SPX Laboratory	TOX 1-1 VOLUME (mL)
Soil	1001-01	kg								
Soil	1001-02	kg								
Soil	1001-03	kg								
Soil	1001-04	kg								
Soil	1001-05	kg								
Soil	1001-06	kg								
Soil	1001-07	kg								
Soil	1001-08	kg								
Soil	1001-09	kg								
Soil	1001-10	kg								
Soil	1001-11	kg								
Soil	1001-12	kg								
Soil	1001-13	kg								
Soil	1001-14	kg								
Soil	1001-15	kg								
Soil	1001-16	kg								
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Soil	1001-18	kg								
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Soil	1001-43	kg								
Soil	1001-44	kg								
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Soil	1001-91	kg								
Soil	1001-92	kg								
Soil	1001-93	kg								
Soil	1001-94	kg								
Soil	1001-95	kg								
Soil	1001-96	kg								
Soil	1001-97	kg								
Soil	1001-98	kg								
Soil	1001-99	kg								
Soil	1001-100	kg								

Soil Analysis by Method

2.1.

PHYSICAL PROPERTIES

Parameter	Unit	Value	Method	Notes
Moisture Content	%	10.5	ASTM D2216	
Specific Gravity		2.65	ASTM D153	
Grain Size Distribution				
No. 10	%	100	ASTM D422	
No. 40	%	100	ASTM D422	
No. 200	%	100	ASTM D422	
Liquid Limit	%	10	ASTM D4253	
Plastic Limit	%	5	ASTM D4253	
Shrinkage Ratio		1.0	ASTM D4253	
Shrinkage Limit	%	0.5	ASTM D4253	
Shrinkage Index		0.5	ASTM D4253	
Shrinkage Limit	%	0.5	ASTM D4253	
Shrinkage Index		0.5	ASTM D4253	

HEAVY METALS

Parameter	Unit	Value	Method	Notes
Aluminum	mg/kg	10	ASTM D153	
Barium	mg/kg	10	ASTM D153	
Bismuth	mg/kg	10	ASTM D153	
Boron	mg/kg	10	ASTM D153	
Calcium	mg/kg	10	ASTM D153	
Chromium	mg/kg	10	ASTM D153	
Copper	mg/kg	10	ASTM D153	
Lead	mg/kg	10	ASTM D153	
Magnesium	mg/kg	10	ASTM D153	
Manganese	mg/kg	10	ASTM D153	
Mercury	mg/kg	10	ASTM D153	
Molybdenum	mg/kg	10	ASTM D153	
Nickel	mg/kg	10	ASTM D153	
Phosphorus	mg/kg	10	ASTM D153	
Potassium	mg/kg	10	ASTM D153	
Selenium	mg/kg	10	ASTM D153	
Silver	mg/kg	10	ASTM D153	
Sulfur	mg/kg	10	ASTM D153	
Tin	mg/kg	10	ASTM D153	
Vanadium	mg/kg	10	ASTM D153	
Zinc	mg/kg	10	ASTM D153	

PHYSICAL PROPERTIES

Parameter	Unit	Value	Method	Notes
Moisture Content	%	10.5	ASTM D2216	
Specific Gravity		2.65	ASTM D153	
Grain Size Distribution				
No. 10	%	100	ASTM D422	
No. 40	%	100	ASTM D422	
No. 200	%	100	ASTM D422	
Liquid Limit	%	10	ASTM D4253	
Plastic Limit	%	5	ASTM D4253	
Shrinkage Ratio		1.0	ASTM D4253	
Shrinkage Limit	%	0.5	ASTM D4253	
Shrinkage Index		0.5	ASTM D4253	
Shrinkage Limit	%	0.5	ASTM D4253	
Shrinkage Index		0.5	ASTM D4253	

HEAVY METALS

Parameter	Unit	Value	Method	Notes
Aluminum	mg/kg	10	ASTM D153	
Barium	mg/kg	10	ASTM D153	
Bismuth	mg/kg	10	ASTM D153	
Boron	mg/kg	10	ASTM D153	
Calcium	mg/kg	10	ASTM D153	
Chromium	mg/kg	10	ASTM D153	
Copper	mg/kg	10	ASTM D153	
Lead	mg/kg	10	ASTM D153	
Magnesium	mg/kg	10	ASTM D153	
Manganese	mg/kg	10	ASTM D153	
Mercury	mg/kg	10	ASTM D153	
Molybdenum	mg/kg	10	ASTM D153	
Nickel	mg/kg	10	ASTM D153	
Phosphorus	mg/kg	10	ASTM D153	
Potassium	mg/kg	10	ASTM D153	
Selenium	mg/kg	10	ASTM D153	
Silver	mg/kg	10	ASTM D153	
Sulfur	mg/kg	10	ASTM D153	
Tin	mg/kg	10	ASTM D153	
Vanadium	mg/kg	10	ASTM D153	
Zinc	mg/kg	10	ASTM D153	

PHYSICAL PROPERTIES

Parameter	Unit	Value	Method	Notes
Moisture Content	%	10.5	ASTM D2216	
Specific Gravity		2.65	ASTM D153	
Grain Size Distribution				
No. 10	%	100	ASTM D422	
No. 40	%	100	ASTM D422	
No. 200	%	100	ASTM D422	
Liquid Limit	%	10	ASTM D4253	
Plastic Limit	%	5	ASTM D4253	
Shrinkage Ratio		1.0	ASTM D4253	
Shrinkage Limit	%	0.5	ASTM D4253	
Shrinkage Index		0.5	ASTM D4253	
Shrinkage Limit	%	0.5	ASTM D4253	
Shrinkage Index		0.5	ASTM D4253	

HEAVY METALS

Parameter	Unit	Value	Method	Notes
Aluminum	mg/kg	10	ASTM D153	
Barium	mg/kg	10	ASTM D153	
Bismuth	mg/kg	10	ASTM D153	
Boron	mg/kg	10	ASTM D153	
Calcium	mg/kg	10	ASTM D153	
Chromium	mg/kg	10	ASTM D153	
Copper	mg/kg	10	ASTM D153	
Lead	mg/kg	10	ASTM D153	
Magnesium	mg/kg	10	ASTM D153	
Manganese	mg/kg	10	ASTM D153	
Mercury	mg/kg	10	ASTM D153	
Molybdenum	mg/kg	10	ASTM D153	
Nickel	mg/kg	10	ASTM D153	
Phosphorus	mg/kg	10	ASTM D153	
Potassium	mg/kg	10	ASTM D153	
Selenium	mg/kg	10	ASTM D153	
Silver	mg/kg	10	ASTM D153	
Sulfur	mg/kg	10	ASTM D153	
Tin	mg/kg	10	ASTM D153	
Vanadium	mg/kg	10	ASTM D153	
Zinc	mg/kg	10	ASTM D153	

PHYSICAL PROPERTIES

Parameter	Unit	Value	Method	Notes
Moisture Content	%	10.5	ASTM D2216	
Specific Gravity		2.65	ASTM D153	
Grain Size Distribution				
No. 10	%	100	ASTM D422	
No. 40	%	100	ASTM D422	
No. 200	%	100	ASTM D422	
Liquid Limit	%	10	ASTM D4253	
Plastic Limit	%	5	ASTM D4253	
Shrinkage Ratio		1.0	ASTM D4253	
Shrinkage Limit	%	0.5	ASTM D4253	
Shrinkage Index		0.5	ASTM D4253	
Shrinkage Limit	%	0.5	ASTM D4253	
Shrinkage Index		0.5	ASTM D4253	

HEAVY METALS

Parameter	Unit	Value	Method	Notes
Aluminum	mg/kg	10	ASTM D153	
Barium	mg/kg	10	ASTM D153	
Bismuth	mg/kg	10	ASTM D153	
Boron	mg/kg	10	ASTM D153	
Calcium	mg/kg	10	ASTM D153	
Chromium	mg/kg	10	ASTM D153	
Copper	mg/kg	10	ASTM D153	
Lead	mg/kg	10	ASTM D153	
Magnesium	mg/kg	10	ASTM D153	
Manganese	mg/kg	10	ASTM D153	
Mercury	mg/kg	10	ASTM D153	
Molybdenum	mg/kg	10	ASTM D153	
Nickel	mg/kg	10	ASTM D153	
Phosphorus	mg/kg	10	ASTM D153	
Potassium	mg/kg	10	ASTM D153	
Selenium	mg/kg	10	ASTM D153	
Silver	mg/kg	10	ASTM D153	
Sulfur	mg/kg	10	ASTM D153	
Tin	mg/kg	10	ASTM D153	
Vanadium	mg/kg	10	ASTM D153	
Zinc	mg/kg	10	ASTM D153	

PHYSICAL PROPERTIES

Parameter	Unit	Value	Method	Notes
Moisture Content	%	10.5	ASTM D2216	
Specific Gravity		2.65	ASTM D153	
Grain Size Distribution				
No. 10	%	100	ASTM D422	
No. 40	%	100	ASTM D422	
No. 200	%	100	ASTM D422	
Liquid Limit	%	10	ASTM D4253	
Plastic Limit	%	5	ASTM D4253	
Shrinkage Ratio		1.0	ASTM D4253	
Shrinkage Limit	%	0.5	ASTM D4253	
Shrinkage Index		0.5	ASTM D4253	
Shrinkage Limit	%	0.5	ASTM D4253	
Shrinkage Index		0.5	ASTM D4253	

Result Detected	
Result Exceeds Criteria	
Result Exceeds Criteria	

[illegible]

[illegible]



Tuesday, November 12, 2024

Attn: Rich Galli
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Project ID: INSIRPATION WHARF
SDG ID: GCR96654
Sample ID#s: CR96654, CR96656 - CR96670

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.

The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

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



SDG Comments

November 12, 2024

SDG I.D.: GCR96654

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.

SIM Analysis:

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

8081 Pesticides:

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

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

The regulatory hold time for Filtration is 24 hours. Filtration was performed in the laboratory and may be considered outside of hold-time.



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



Sample Id Cross Reference

November 12, 2024

SDG I.D.: GCR96654

Project ID: INSIRPATION WHARF

Client Id	Lab Id	Matrix
FB103024	CR96654	WATER
SB-1 GRAB (14.5-15)	CR96656	SOIL
SB-1 COMPOSITE	CR96657	SOIL
TW-1 (5`-15`)	CR96658	GROUND WATER
TW-2 (5`-10`)	CR96659	GROUND WATER
SB-2 GRAB (9.5-10`)	CR96660	SOIL
SB-2 COMPOSITE	CR96661	SOIL
SB-3 GRAB (9.5-10`)	CR96662	SOIL
SB-3 COMPOSITE	CR96663	SOIL
TW-3 (5`-10`)	CR96664	GROUND WATER
SB-5 GRAB (9.5-10`)	CR96665	SOIL
SB-5 COMPOSITE	CR96666	SOIL
SB-4 GRAB (9.5-10`)	CR96667	SOIL
SB-4 COMPOSITE	CR96668	SOIL
SB-9 GRAB (9.5-10`)	CR96669	SOIL
SB-9 COMPOSITE	CR96670	SOIL



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



Analysis Report

November 12, 2024

FOR: Attn: Rich Galli
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: WATER
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date Time
10/30/24 12:00
10/30/24 17:01

Laboratory Data

SDG ID: GCR96654
Phoenix ID: CR96654

Project ID: INSIRPATION WHARF
Client ID: FB103024

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,1,1-Trichloroethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	11/01/24	MH	SW8260D
1,1,2-Trichloroethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,1-Dichloroethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,1-Dichloroethene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,1-Dichloropropene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,2,3-Trichloropropane	ND	0.25	ug/L	1	11/01/24	MH	SW8260D
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.50	ug/L	1	11/01/24	MH	SW8260D
1,2-Dibromoethane	ND	0.25	ug/L	1	11/01/24	MH	SW8260D
1,2-Dichlorobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,2-Dichloroethane	ND	0.60	ug/L	1	11/01/24	MH	SW8260D
1,2-Dichloropropane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,3-Dichlorobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,3-Dichloropropane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,4-Dichlorobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
2,2-Dichloropropane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
2-Chlorotoluene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
2-Hexanone	ND	5.0	ug/L	1	11/01/24	MH	SW8260D
2-Isopropyltoluene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
4-Chlorotoluene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
4-Methyl-2-pentanone	ND	5.0	ug/L	1	11/01/24	MH	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	25	ug/L	1	11/01/24	MH	SW8260D
Acrylonitrile	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Benzene	ND	0.70	ug/L	1	11/01/24	MH	SW8260D
Bromobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Bromochloromethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Bromodichloromethane	ND	0.50	ug/L	1	11/01/24	MH	SW8260D
Bromoform	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Bromomethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Carbon Disulfide	ND	5.0	ug/L	1	11/01/24	MH	SW8260D
Carbon tetrachloride	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Chlorobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Chloroethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Chloroform	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Chloromethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	11/01/24	MH	SW8260D
Dibromochloromethane	ND	0.50	ug/L	1	11/01/24	MH	SW8260D
Dibromomethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Dichlorodifluoromethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Ethylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Hexachlorobutadiene	ND	0.40	ug/L	1	11/01/24	MH	SW8260D
Isopropylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
m&p-Xylene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Methyl ethyl ketone	ND	5.0	ug/L	1	11/01/24	MH	SW8260D
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Methylene chloride	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Naphthalene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
n-Butylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
n-Propylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
o-Xylene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
p-Isopropyltoluene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
sec-Butylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Styrene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
tert-Butylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Tetrachloroethene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	11/01/24	MH	SW8260D
Toluene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Total Xylenes	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	11/01/24	MH	SW8260D
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	11/01/24	MH	SW8260D
Trichloroethene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Trichlorofluoromethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Trichlorotrifluoroethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Vinyl chloride	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99		%	1	11/01/24	MH	70 - 130 %
% Bromofluorobenzene	100		%	1	11/01/24	MH	70 - 130 %
% Dibromofluoromethane	104		%	1	11/01/24	MH	70 - 130 %

1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	95		%	1	11/01/24	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

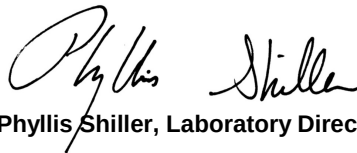
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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

November 12, 2024

Reviewed and Released by: Phyllis Shiller, Laboratory Director



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



Analysis Report

November 12, 2024

FOR: Attn: Rich Galli
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: SOIL
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date	Time
10/29/24	14:35
10/30/24	17:01

Laboratory Data

SDG ID: GCR96654
Phoenix ID: CR96656

Project ID: INSIRPATION WHARF
Client ID: SB-1 GRAB (14.5-15)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Field Extraction	Completed				10/29/24		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
1,1,1-Trichloroethane	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
1,1,2-Trichloroethane	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
1,1-Dichloroethane	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
1,1-Dichloroethene	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
1,1-Dichloropropene	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
1,2,3-Trichloropropane	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
1,2-Dibromoethane	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
1,2-Dichlorobenzene	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
1,2-Dichloroethane	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
1,2-Dichloropropane	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
1,3-Dichlorobenzene	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
1,3-Dichloropropane	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
1,4-Dichlorobenzene	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
2,2-Dichloropropane	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
2-Chlorotoluene	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
2-Hexanone	ND	28	ug/Kg	1	11/01/24	JLI	SW8260D
2-Isopropyltoluene	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
4-Methyl-2-pentanone	ND	28	ug/Kg	1	11/01/24	JLI	SW8260D
Acetone	ND	28	ug/Kg	1	11/01/24	JLI	SW8260D
Acrylonitrile	ND	11	ug/Kg	1	11/01/24	JLI	SW8260D
Benzene	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
Bromobenzene	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
Bromochloromethane	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
Bromodichloromethane	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
Bromoform	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
Bromomethane	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
Carbon Disulfide	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
Carbon tetrachloride	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
Chlorobenzene	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
Chloroethane	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
Chloroform	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
Chloromethane	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
cis-1,2-Dichloroethene	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
cis-1,3-Dichloropropene	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
Dibromochloromethane	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
Dibromomethane	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
Dichlorodifluoromethane	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
Ethylbenzene	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
Hexachlorobutadiene	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
Isopropylbenzene	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
m&p-Xylene	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
Methyl Ethyl Ketone	ND	28	ug/Kg	1	11/01/24	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	1	11/01/24	JLI	SW8260D
Methylene chloride	ND	11	ug/Kg	1	11/01/24	JLI	SW8260D
Naphthalene	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
n-Butylbenzene	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
n-Propylbenzene	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
o-Xylene	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
p-Isopropyltoluene	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
sec-Butylbenzene	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
Styrene	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
tert-Butylbenzene	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
Tetrachloroethene	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
Tetrahydrofuran (THF)	ND	11	ug/Kg	1	11/01/24	JLI	SW8260D
Toluene	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
Total Xylenes	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
trans-1,2-Dichloroethene	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
trans-1,3-Dichloropropene	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	1	11/01/24	JLI	SW8260D
Trichloroethene	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
Trichlorofluoromethane	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
Trichlorotrifluoroethane	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
Vinyl chloride	ND	5.5	ug/Kg	1	11/01/24	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100		%	1	11/01/24	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	98		%	1	11/01/24	JLI	70 - 130 %
% Dibromofluoromethane	95		%	1	11/01/24	JLI	70 - 130 %
% Toluene-d8	107		%	1	11/01/24	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

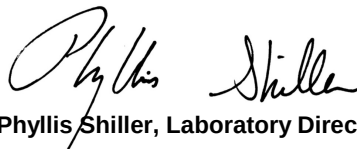
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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

November 12, 2024

Reviewed and Released by: Phyllis Shiller, Laboratory Director



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



Analysis Report

November 12, 2024

FOR: Attn: Rich Galli
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: SOIL
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date Time
10/29/24 14:40
10/30/24 17:01

Laboratory Data

SDG ID: GCR96654
Phoenix ID: CR96657

Project ID: INSIRPATION WHARF
Client ID: SB-1 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.32	0.32	mg/Kg	1	10/31/24	CPP	SW6010D
Aluminum	769	4.8	mg/Kg	1	10/31/24	CPP	SW6010D
Arsenic	< 0.63	0.63	mg/Kg	1	10/31/24	CPP	SW6010D
Barium	4.89	0.32	mg/Kg	1	10/31/24	CPP	SW6010D
Beryllium	< 0.25	0.25	mg/Kg	1	10/31/24	CPP	SW6010D
Calcium	157	4.8	mg/Kg	1	10/31/24	CPP	SW6010D
Cadmium	< 0.32	0.32	mg/Kg	1	10/31/24	CPP	SW6010D
Cobalt	0.53	0.32	mg/Kg	1	10/31/24	CPP	SW6010D
Chromium	2.70	0.32	mg/Kg	1	10/31/24	CPP	SW6010D
Copper	1.0	0.6	mg/kg	1	10/31/24	CPP	SW6010D
Iron	1570	4.8	mg/Kg	1	10/31/24	CPP	SW6010D
Mercury	< 0.03	0.03	mg/Kg	2	10/31/24	AL1	SW7471B
Potassium	231	4.8	mg/Kg	1	10/31/24	CPP	SW6010D
Magnesium	341	4.8	mg/Kg	1	10/31/24	CPP	SW6010D
Manganese	21.2	0.32	mg/Kg	1	10/31/24	CPP	SW6010D
Sodium	340	4.8	mg/Kg	1	10/31/24	CPP	SW6010D
Nickel	2.06	0.32	mg/Kg	1	10/31/24	CPP	SW6010D
Lead	0.90	0.32	mg/Kg	1	10/31/24	CPP	SW6010D
Antimony	< 3.2	3.2	mg/Kg	1	10/31/24	CPP	SW6010D
Selenium	< 1.3	1.3	mg/Kg	1	10/31/24	CPP	SW6010D
TCLP Silver	< 0.050	0.050	mg/L	1	10/31/24	CPP	SW846 1311/6010
TCLP Arsenic	< 0.020	0.020	mg/L	1	10/31/24	CPP	SW846 1311/6010
TCLP Barium	< 0.10	0.10	mg/L	1	10/31/24	CPP	SW846 1311/6010
TCLP Cadmium	< 0.0050	0.0050	mg/L	1	10/31/24	CPP	SW846 1311/6010
TCLP Chromium	< 0.050	0.050	mg/L	1	10/31/24	CPP	SW846 1311/6010
TCLP Mercury	< 0.0002	0.0002	mg/L	1	10/31/24	AL1	SW846 1311/7470
TCLP Lead	< 0.020	0.020	mg/L	1	10/31/24	CPP	SW846 1311/6010
TCLP Selenium	< 0.010	0.010	mg/L	1	10/31/24	CPP	SW846 1311/6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Thallium	< 2.9	2.9	mg/Kg	1	10/31/24	CPP	SW6010D
TCLP Metals Digestion	Completed				10/31/24	AK/GW/AK	SW3010A
Vanadium	2.85	0.32	mg/Kg	1	10/31/24	CPP	SW6010D
Zinc	7.9	0.6	mg/Kg	1	10/31/24	CPP	SW6010D
Percent Solid	95		%		10/30/24	CV	SW846-%Solid
Corrosivity	Negative		Pos/Neg	1	10/30/24	MW	SW846-Corr
Flash Point	>200	200	Degree F	1	11/04/24	G	SW1010B
Chromium, Hex. (SW3060A digestion)	< 0.38	0.38	mg/Kg	1	10/31/24	NP	SW7196A
Ignitability	Passed	140	degree F	1	11/04/24	G	SW846-Ignit
pH at 25C - Soil	7.30	1.00	pH Units	1	10/30/24 22:11	MW	SW846 9045D
Reactivity Cyanide	< 5	5	mg/Kg	1	11/04/24	E/N/G	SW846 7.3.3.1/90
Reactivity Sulfide	< 20	20	mg/Kg	1	11/04/24	NP/GD	SW846 CH7
Reactivity	Negative		Pos/Neg	1	11/04/24	NP/GD	SW846-React
Redox Potential	197		mV	1	10/30/24	MW	SM2580B-09
Mercury Digestion	Completed				10/31/24	AC1/AC1	SW7471B
Extraction of NY ETPH	Completed				10/30/24	R/X/X	SW3546
Soil Extraction for Herbicide	Completed				11/01/24	X/A/D	SW3546
Soil Extraction for PCB	Completed				10/31/24	R/H/X	SW3546
Soil Extraction for Pesticides	Completed				10/31/24	R/H	SW3546
Soil Extraction for SVOA	Completed				10/31/24	/U	SW3546
Paint Filter Test	Passed		PASS/FAIL		10/30/24	O	SW9095B
TCLP Digestion Mercury	Completed				10/31/24	AK/GW/AK	SW7470A
TCLP Extraction for Metals	Completed				10/30/24	AK	SW1311
Total Metals Digest	Completed				10/30/24	J/AG	SW3050B

Gasoline Range Hydrocarbons (C6-C10)

GRO (C6-C10)	ND	L 5.5	mg/Kg	50	11/04/24	V	SW8015D GRO

QA/QC Surrogates

% 2,5-Dibromotoluene (FID)	98		%	50	11/04/24	V	70 - 130 %

Chlorinated Herbicides

2,4,5-T	ND	130	ug/Kg	10	11/04/24	JRB	SW8151A
2,4,5-TP (Silvex)	ND	130	ug/Kg	10	11/04/24	JRB	SW8151A
2,4-D	ND	260	ug/Kg	10	11/04/24	JRB	SW8151A
2,4-DB	ND	2600	ug/Kg	10	11/04/24	JRB	SW8151A
Dalapon	ND	130	ug/Kg	10	11/04/24	JRB	SW8151A
Dicamba	ND	130	ug/Kg	10	11/04/24	JRB	SW8151A
Dichloroprop	ND	260	ug/Kg	10	11/04/24	JRB	SW8151A
Dinoseb	ND	260	ug/Kg	10	11/04/24	JRB	SW8151A

QA/QC Surrogates

% DCAA	106		%	10	11/04/24	JRB	30 - 150 %
% DCAA (Confirmation)	128		%	10	11/04/24	JRB	30 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	68	ug/Kg	2	11/01/24	SC	SW8082A
PCB-1221	ND	68	ug/Kg	2	11/01/24	SC	SW8082A
PCB-1232	ND	68	ug/Kg	2	11/01/24	SC	SW8082A
PCB-1242	ND	68	ug/Kg	2	11/01/24	SC	SW8082A
PCB-1248	ND	68	ug/Kg	2	11/01/24	SC	SW8082A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1254	ND	68	ug/Kg	2	11/01/24	SC	SW8082A
PCB-1260	ND	68	ug/Kg	2	11/01/24	SC	SW8082A
PCB-1262	ND	68	ug/Kg	2	11/01/24	SC	SW8082A
PCB-1268	ND	68	ug/Kg	2	11/01/24	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	94		%	2	11/01/24	SC	30 - 150 %
% DCBP (Confirmation)	86		%	2	11/01/24	SC	30 - 150 %
% TCMX	90		%	2	11/01/24	SC	30 - 150 %
% TCMX (Confirmation)	83		%	2	11/01/24	SC	30 - 150 %
<u>Pesticides - Soil</u>							
4,4' -DDD	ND	2.0	ug/Kg	2	11/01/24	CN	SW8081B
4,4' -DDE	ND	2.0	ug/Kg	2	11/01/24	CN	SW8081B
4,4' -DDT	ND	2.0	ug/Kg	2	11/01/24	CN	SW8081B
a-BHC	ND	6.8	ug/Kg	2	11/01/24	CN	SW8081B
a-Chlordane	ND	3.4	ug/Kg	2	11/01/24	CN	SW8081B
Aldrin	ND	3.4	ug/Kg	2	11/01/24	CN	SW8081B
b-BHC	ND	6.8	ug/Kg	2	11/01/24	CN	SW8081B
Chlordane	ND	34	ug/Kg	2	11/01/24	CN	SW8081B
d-BHC	ND	6.8	ug/Kg	2	11/01/24	CN	SW8081B
Dieldrin	ND	3.4	ug/Kg	2	11/01/24	CN	SW8081B
Endosulfan I	ND	6.8	ug/Kg	2	11/01/24	CN	SW8081B
Endosulfan II	ND	6.8	ug/Kg	2	11/01/24	CN	SW8081B
Endosulfan sulfate	ND	6.8	ug/Kg	2	11/01/24	CN	SW8081B
Endrin	ND	6.8	ug/Kg	2	11/01/24	CN	SW8081B
Endrin aldehyde	ND	6.8	ug/Kg	2	11/01/24	CN	SW8081B
Endrin ketone	ND	6.8	ug/Kg	2	11/01/24	CN	SW8081B
g-BHC	ND	1.4	ug/Kg	2	11/01/24	CN	SW8081B
g-Chlordane	ND	3.4	ug/Kg	2	11/01/24	CN	SW8081B
Heptachlor	ND	6.8	ug/Kg	2	11/01/24	CN	SW8081B
Heptachlor epoxide	ND	6.8	ug/Kg	2	11/01/24	CN	SW8081B
Methoxychlor	ND	34	ug/Kg	2	11/01/24	CN	SW8081B
Toxaphene	ND	140	ug/Kg	2	11/01/24	CN	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	91		%	2	11/01/24	CN	30 - 150 %
% DCBP (Confirmation)	86		%	2	11/01/24	CN	30 - 150 %
% TCMX	78		%	2	11/01/24	CN	30 - 150 %
% TCMX (Confirmation)	74		%	2	11/01/24	CN	30 - 150 %
<u>TPH DRO (C10-C28)</u>							
Diesel Range Organics (C10-C28)	ND	52	mg/Kg	1	10/31/24	JRB	SW8015D DRO
<u>QA/QC Surrogates</u>							
% COD (surr)	84		%	1	10/31/24	JRB	50 - 150 %
% Terphenyl (surr)	84		%	1	10/31/24	JRB	50 - 150 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
1,2,4-Trichlorobenzene	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
1,2-Dichlorobenzene	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
1,2-Diphenylhydrazine	ND	340	ug/Kg	1	11/01/24	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,3-Dichlorobenzene	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
1,4-Dichlorobenzene	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
2,4,5-Trichlorophenol	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
2,4,6-Trichlorophenol	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
2,4-Dichlorophenol	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
2,4-Dimethylphenol	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
2,4-Dinitrophenol	ND	340	ug/Kg	1	11/01/24	MR	SW8270E
2,4-Dinitrotoluene	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
2,6-Dinitrotoluene	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
2-Chloronaphthalene	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
2-Chlorophenol	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
2-Methylnaphthalene	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
2-Methylphenol (o-cresol)	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
2-Nitroaniline	ND	340	ug/Kg	1	11/01/24	MR	SW8270E
2-Nitrophenol	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	1	11/01/24	MR	SW8270E
3,3'-Dichlorobenzidine	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
3-Nitroaniline	ND	340	ug/Kg	1	11/01/24	MR	SW8270E
4,6-Dinitro-2-methylphenol	ND	340	ug/Kg	1	11/01/24	MR	SW8270E
4-Bromophenyl phenyl ether	ND	340	ug/Kg	1	11/01/24	MR	SW8270E
4-Chloro-3-methylphenol	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
4-Chloroaniline	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
4-Nitroaniline	ND	550	ug/Kg	1	11/01/24	MR	SW8270E
4-Nitrophenol	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
Acenaphthene	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
Acenaphthylene	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
Acetophenone	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
Aniline	ND	340	ug/Kg	1	11/01/24	MR	SW8270E
Anthracene	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
Benz(a)anthracene	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
Benzidine	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
Benzo(a)pyrene	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
Benzo(b)fluoranthene	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
Benzo(ghi)perylene	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
Benzo(k)fluoranthene	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
Benzoic acid	ND	690	ug/Kg	1	11/01/24	MR	SW8270E
Benzyl butyl phthalate	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
Bis(2-chloroethyl)ether	ND	340	ug/Kg	1	11/01/24	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	340	ug/Kg	1	11/01/24	MR	SW8270E
Carbazole	ND	340	ug/Kg	1	11/01/24	MR	SW8270E
Chrysene	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
Dibenz(a,h)anthracene	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
Dibenzofuran	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
Diethyl phthalate	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
Dimethylphthalate	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
Di-n-butylphthalate	ND	340	ug/Kg	1	11/01/24	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Di-n-octylphthalate	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
Fluoranthene	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
Fluorene	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
Hexachlorobenzene	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
Hexachlorobutadiene	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
Hexachlorocyclopentadiene	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
Hexachloroethane	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
Isophorone	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
Naphthalene	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
Nitrobenzene	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
N-Nitrosodimethylamine	ND	340	ug/Kg	1	11/01/24	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
N-Nitrosodiphenylamine	ND	340	ug/Kg	1	11/01/24	MR	SW8270E
Pentachloronitrobenzene	ND	340	ug/Kg	1	11/01/24	MR	SW8270E
Pentachlorophenol	ND	340	ug/Kg	1	11/01/24	MR	SW8270E
Phenanthrene	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
Phenol	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
Pyrene	ND	240	ug/Kg	1	11/01/24	MR	SW8270E
Pyridine	ND	340	ug/Kg	1	11/01/24	MR	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	62		%	1	11/01/24	MR	30 - 130 %
% 2-Fluorobiphenyl	52		%	1	11/01/24	MR	30 - 130 %
% 2-Fluorophenol	51		%	1	11/01/24	MR	30 - 130 %
% Nitrobenzene-d5	52		%	1	11/01/24	MR	30 - 130 %
% Phenol-d5	46		%	1	11/01/24	MR	30 - 130 %
% Terphenyl-d14	53		%	1	11/01/24	MR	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 (preceded 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.

The TPH (C10-C28) is quantitated using an alkane 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.

Hexavalent Chromium:

This sample is in a reducing state.

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.

Semi-Volatile Comment:

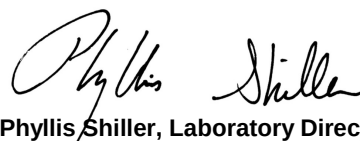
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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.

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

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



Phyllis Shiller, Laboratory Director

November 12, 2024

Reviewed and Released by: Phyllis Shiller, Laboratory Director



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



Analysis Report

November 12, 2024

FOR: Attn: Rich Galli
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: GROUND WATER
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date	Time
10/30/24	9:40
10/30/24	17:01

Laboratory Data

SDG ID: GCR96654
Phoenix ID: CR96658

Project ID: INSIRPATION WHARF
Client ID: TW-1 (5'-15')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.001	0.001	mg/L	1	11/02/24	CPP	SW6010D
Aluminum	63.8	0.020	mg/L	1	11/02/24	CPP	SW6010D
Arsenic	0.134	0.004	mg/L	1	11/02/24	CPP	SW6010D
Barium	0.947	0.002	mg/L	1	11/02/24	CPP	SW6010D
Beryllium	0.003	0.001	mg/L	1	11/02/24	CPP	SW6010D
Calcium	419	0.10	mg/L	10	11/05/24	TH	SW6010D
Cadmium	0.002	0.001	mg/L	1	11/02/24	CPP	SW6010D
Cobalt	0.043	0.002	mg/L	1	11/02/24	CPP	SW6010D
Chromium	0.124	0.001	mg/L	1	11/02/24	CPP	SW6010D
Copper	0.873	0.005	mg/L	1	11/02/24	CPP	SW6010D
Silver (Dissolved)	< 0.001	0.001	mg/L	1	11/01/24	TH	SW6010D
Aluminum (Dissolved)	0.034	0.011	mg/L	1	11/01/24	TH	SW6010D
Arsenic (Dissolved)	< 0.004	0.004	mg/L	1	11/01/24	TH	SW6010D
Barium (Dissolved)	0.066	0.002	mg/L	1	11/01/24	TH	SW6010D
Beryllium (Dissolved)	< 0.001	0.001	mg/L	1	11/01/24	TH	SW6010D
Calcium (Dissolved)	323	0.11	mg/L	10	11/05/24	TH	SW6010D
Cadmium (Dissolved)	< 0.001	0.001	mg/L	1	11/01/24	TH	SW6010D
Cobalt (Dissolved)	0.002	0.001	mg/L	1	11/01/24	TH	SW6010D
Chromium (Dissolved)	< 0.001	0.001	mg/L	1	11/01/24	TH	SW6010D
Copper (Dissolved)	0.007	0.005	mg/L	1	11/01/24	TH	SW6010D
Iron (Dissolved)	< 0.011	0.011	mg/L	1	11/01/24	TH	SW6010D
Mercury (Dissolved)	< 0.0002	0.0002	mg/L	1	10/31/24	AL1	SW7470A
Potassium (Dissolved)	282	11	mg/L	100	11/06/24	TH	SW6010D
Magnesium (Dissolved)	861	1.1	mg/L	100	11/05/24	TH	SW6010D
Manganese (Dissolved)	0.553	0.001	mg/L	1	11/01/24	TH	SW6010D
Sodium (Dissolved)	7050	110	mg/L	1000	11/05/24	TH	SW6010D
Nickel (Dissolved)	0.002	0.001	mg/L	1	11/01/24	TH	SW6010D
Lead (Dissolved)	0.221	0.002	mg/L	1	11/01/24	TH	SW6010D

Client ID: TW-1 (5`-15`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Antimony (Dissolved)	< 0.003	0.003	mg/L	1	11/01/24	TH	SW6010D
Selenium (Dissolved)	< 0.010	0.010	mg/L	1	11/01/24	TH	SW6010D
Thallium, Dissolved	< 0.0005	0.0005	mg/L	1	11/01/24	PS	SW6010D
Vanadium (Dissolved)	< 0.002	0.002	mg/L	1	11/01/24	TH	SW6010D
Zinc (Dissolved)	0.011	0.002	mg/L	1	11/01/24	TH	SW6010D
Iron	57.8	0.010	mg/L	1	11/02/24	CPP	SW6010D
Mercury	0.0027	0.0002	mg/L	1	10/31/24	AL1	SW7470A
Potassium	292	10	mg/L	100	11/05/24	TH	SW6010D
Magnesium	911	1.0	mg/L	100	11/05/24	TH	SW6010D
Manganese	5.85	0.001	mg/L	1	11/02/24	CPP	SW6010D
Sodium	7390	100	mg/L	1000	11/05/24	TH	SW6010D
Nickel	0.090	0.001	mg/L	1	11/02/24	CPP	SW6010D
Lead	95.7	0.10	mg/L	100	11/05/24	TH	SW6010D
Antimony	0.014	0.003	mg/L	1	11/02/24	CPP	SW6010D
Selenium	< 0.010	0.010	mg/L	1	11/02/24	CPP	SW6010D
TCLP Silver	< 0.050	0.050	mg/L	1	10/31/24	CPP	SW6010D
TCLP Arsenic	< 0.020	0.020	mg/L	1	10/31/24	CPP	SW6010D
TCLP Barium	< 0.10	0.10	mg/L	1	10/31/24	CPP	SW6010D
TCLP Cadmium	< 0.0050	0.0050	mg/L	1	10/31/24	CPP	SW6010D
TCLP Chromium	< 0.050	0.050	mg/L	1	10/31/24	CPP	SW6010D
TCLP Mercury	< 0.0002	0.0002	mg/L	1	10/31/24	AL1	SW7470A
TCLP Lead	0.130	0.020	mg/L	1	10/31/24	CPP	SW6010D
TCLP Selenium	< 0.010	0.010	mg/L	1	10/31/24	CPP	SW6010D
Thallium	< 0.0005	0.0005	mg/L	1	11/02/24	PS	SW6010D
TCLP Metals Digestion	Completed				10/31/24	AK/GW/AK	SW3010A
Vanadium	0.255	0.002	mg/L	1	11/02/24	CPP	SW6010D
Zinc	1.54	0.004	mg/L	1	11/02/24	CPP	SW6010D
Corrosivity	Negative		Pos/Neg	1	10/30/24	MW	SW846-Corr 1
Flash Point	>200	200	Degree F	1	11/05/24	G	SW1010B
Chromium, Hexavalent	< 0.02	0.02	mg/L	2	10/30/24 20:05	KL1	SM3500CRB-11
Ignitability	Passed	140	degree F	1	11/05/24	G	SW846-Ignit 1
pH	7.42	1.00	pH Units	1	10/30/24 22:30	MW	SM4500-H B-11 1
Reactivity Cyanide	< 2.0	2.0	mg/L	1.97	11/04/24	E/N/G	SW846 7.3.3.1/90 1
Reactivity Sulfide	< 5	5	mg/L	1	11/04/24	NP/GD	SW846 CH7 1
Reactivity	Negative		Pos/Neg	1	11/04/24	NP/GD	SW846-React 1
Lab Filtration	Completed				10/31/24	AG	0.45um Filter
Dissolved Mercury Digestion	Completed				10/31/24	AK/AK	SW7470A
Mercury Digestion	Completed				10/31/24	AK/GW/AK	SW7470A
Extraction for Herbicide	Completed				11/01/24	CV/D	SW8151A
PCB Extraction (LDL)	Completed				11/04/24	A/A	SW3510C
Extraction for Pest (LDL)	Completed				11/04/24	A/A	SW3510C
Semi-Volatile Extraction	Completed				11/04/24	Z/MQ	SW3520C
TCLP Digestion Mercury	Completed				10/31/24	AK/GW/AK	SW7470A
TCLP Extraction for Metals	Completed				10/30/24	AK	SW1311
Total Metals Digestion (GFAA)	Completed				10/31/24	AG	SM3113B-10
Dissolved Metals Preparation	Completed				10/31/24	AG	SW3005A
Dissolved Metals Preparation (MS)	Completed				11/01/24	AG	SW3005A
Total Metals Digestion	Completed				11/01/24	AG	SW3010A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Total Metals Digestion MS	Completed				10/31/24	AG	SW3010A
Extraction of TPH	Completed				11/04/24	Z/MQ	SW3510C/SW3520C
<u>Gasoline Range Hydrocarbons</u>							
GRO (C6-C10)	ND	0.050	mg/L	1	10/31/24	V	SW8015D
<u>QA/QC Surrogates</u>							
% 2,5-Dibromotoluene (FID)	95		%	1	10/31/24	V	70 - 130 %
<u>Chlorinated Herbicides</u>							
2,4,5-T	ND	0.25	ug/L	1	11/04/24	JRB	SW8151A
2,4,5-TP (Silvex)	ND	0.25	ug/L	1	11/04/24	JRB	SW8151A
2,4-D	ND	0.50	ug/L	1	11/04/24	JRB	SW8151A
2,4-DB	ND	5.0	ug/L	1	11/04/24	JRB	SW8151A
Dalapon	ND	0.25	ug/L	1	11/04/24	JRB	SW8151A
Dicamba	ND	0.25	ug/L	1	11/04/24	JRB	SW8151A
Dichloroprop	ND	0.50	ug/L	1	11/04/24	JRB	SW8151A
Dinoseb	ND	0.50	ug/L	1	11/04/24	JRB	SW8151A
<u>QA/QC Surrogates</u>							
% DCAA	74		%	1	11/04/24	JRB	30 - 150 %
% DCAA (Confirmation)	46		%	1	11/04/24	JRB	30 - 150 %
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	0.051	ug/L	1	11/05/24	SC	SW8082A
PCB-1221	ND	0.051	ug/L	1	11/05/24	SC	SW8082A
PCB-1232	ND	0.051	ug/L	1	11/05/24	SC	SW8082A
PCB-1242	ND	0.051	ug/L	1	11/05/24	SC	SW8082A
PCB-1248	ND	0.051	ug/L	1	11/05/24	SC	SW8082A
PCB-1254	ND	0.051	ug/L	1	11/05/24	SC	SW8082A
PCB-1260	ND	0.051	ug/L	1	11/05/24	SC	SW8082A
PCB-1262	ND	0.051	ug/L	1	11/05/24	SC	SW8082A
PCB-1268	ND	0.051	ug/L	1	11/05/24	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	64		%	1	11/05/24	SC	30 - 150 %
% DCBP (Confirmation)	63		%	1	11/05/24	SC	30 - 150 %
% TCMX	61		%	1	11/05/24	SC	30 - 150 %
% TCMX (Confirmation)	58		%	1	11/05/24	SC	30 - 150 %
<u>Pesticides</u>							
4,4' -DDD	ND	0.002	ug/L	1	11/05/24	KCA	SW-846 8081
4,4' -DDE	ND	0.002	ug/L	1	11/05/24	KCA	SW-846 8081
4,4' -DDT	ND	0.002	ug/L	1	11/05/24	KCA	SW-846 8081
a-BHC	ND	0.005	ug/L	1	11/05/24	KCA	SW-846 8081
a-chlordane	ND	0.010	ug/L	1	11/05/24	KCA	SW-846 8081
Alachlor	ND	0.077	ug/L	1	11/05/24	KCA	SW-846 8081
Aldrin	ND	0.002	ug/L	1	11/05/24	KCA	SW-846 8081
b-BHC	ND	0.005	ug/L	1	11/05/24	KCA	SW-846 8081
Chlordane	ND	0.020	ug/L	1	11/05/24	KCA	SW-846 8081
d-BHC	ND	0.005	ug/L	1	11/05/24	KCA	SW-846 8081
Dieldrin	ND	0.002	ug/L	1	11/05/24	KCA	SW-846 8081
Endosulfan I	ND	0.010	ug/L	1	11/05/24	KCA	SW-846 8081

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Endosulfan II	ND	0.010	ug/L	1	11/05/24	KCA	SW-846 8081
Endosulfan Sulfate	ND	0.010	ug/L	1	11/05/24	KCA	SW-846 8081
Endrin	ND	0.005	ug/L	1	11/05/24	KCA	SW-846 8081
Endrin Aldehyde	ND	0.010	ug/L	1	11/05/24	KCA	SW-846 8081
Endrin ketone	ND	0.010	ug/L	1	11/05/24	KCA	SW-846 8081
g-BHC (Lindane)	ND	0.005	ug/L	1	11/05/24	KCA	SW-846 8081
g-chlordane	ND	0.010	ug/L	1	11/05/24	KCA	SW-846 8081
Heptachlor	ND	0.005	ug/L	1	11/05/24	KCA	SW-846 8081
Heptachlor epoxide	ND	0.005	ug/L	1	11/05/24	KCA	SW-846 8081
Methoxychlor	ND	0.10	ug/L	1	11/05/24	KCA	SW-846 8081
Toxaphene	ND	0.20	ug/L	1	11/05/24	KCA	SW-846 8081

QA/QC Surrogates

%DCBP (Surrogate Rec)	67		%	1	11/05/24	KCA	30 - 150 %
%DCBP (Surrogate Rec) (Confirmation)	86		%	1	11/05/24	KCA	30 - 150 %
%TCMX (Surrogate Rec)	63		%	1	11/05/24	KCA	30 - 150 %
%TCMX (Surrogate Rec) (Confirmation)	67		%	1	11/05/24	KCA	30 - 150 %

TPH by GC (Extractable Products)

Aviation Fuel/Kerosene	ND	0.51	mg/L	1	11/05/24	JRB	SW8015D	1
Fuel Oil #2/ Diesel Fuel	ND	0.51	mg/L	1	11/05/24	JRB	SW8015D	1
Fuel Oil #4	ND	0.51	mg/L	1	11/05/24	JRB	SW8015D	1
Fuel Oil #6	ND	0.51	mg/L	1	11/05/24	JRB	SW8015D	1
Motor Oil	ND	0.51	mg/L	1	11/05/24	JRB	SW8015D	1
Total TPH	ND	0.51	mg/L	1	11/05/24	JRB	SW8015D	1,B
Unidentified	ND	0.51	mg/L	1	11/05/24	JRB	SW8015D	1

QA/QC Surrogates

% Terphenyl (surr)	58		%	1	11/05/24	JRB	50 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,1,1-Trichloroethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	11/01/24	MH	SW8260D
1,1,2-Trichloroethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,1-Dichloroethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,1-Dichloroethene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,1-Dichloropropene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,2,3-Trichloropropane	ND	0.25	ug/L	1	11/01/24	MH	SW8260D
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.50	ug/L	1	11/01/24	MH	SW8260D
1,2-Dibromoethane	ND	0.25	ug/L	1	11/01/24	MH	SW8260D
1,2-Dichlorobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,2-Dichloroethane	ND	0.60	ug/L	1	11/01/24	MH	SW8260D
1,2-Dichloropropane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,3-Dichlorobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,3-Dichloropropane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,4-Dichlorobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
2,2-Dichloropropane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2-Chlorotoluene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
2-Hexanone	ND	5.0	ug/L	1	11/01/24	MH	SW8260D
2-Isopropyltoluene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
4-Chlorotoluene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
4-Methyl-2-pentanone	ND	5.0	ug/L	1	11/01/24	MH	SW8260D
Acetone	ND	25	ug/L	1	11/01/24	MH	SW8260D
Acrylonitrile	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Benzene	ND	0.70	ug/L	1	11/01/24	MH	SW8260D
Bromobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Bromochloromethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Bromodichloromethane	ND	0.50	ug/L	1	11/01/24	MH	SW8260D
Bromoform	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Bromomethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Carbon Disulfide	ND	5.0	ug/L	1	11/01/24	MH	SW8260D
Carbon tetrachloride	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Chlorobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Chloroethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Chloroform	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Chloromethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	11/01/24	MH	SW8260D
Dibromochloromethane	ND	0.50	ug/L	1	11/01/24	MH	SW8260D
Dibromomethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Dichlorodifluoromethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Ethylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Hexachlorobutadiene	ND	0.40	ug/L	1	11/01/24	MH	SW8260D
Isopropylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
m&p-Xylene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Methyl ethyl ketone	ND	5.0	ug/L	1	11/01/24	MH	SW8260D
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Methylene chloride	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Naphthalene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
n-Butylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
n-Propylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
o-Xylene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
p-Isopropyltoluene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
sec-Butylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Styrene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
tert-Butylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Tetrachloroethene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	11/01/24	MH	SW8260D
Toluene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Total Xylenes	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	11/01/24	MH	SW8260D
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	11/01/24	MH	SW8260D
Trichloroethene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Trichlorofluoromethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Trichlorotrifluoroethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Vinyl chloride	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99		%	1	11/01/24	MH	70 - 130 %
% Bromofluorobenzene	100		%	1	11/01/24	MH	70 - 130 %
% Dibromofluoromethane	105		%	1	11/01/24	MH	70 - 130 %
% Toluene-d8	95		%	1	11/01/24	MH	70 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	3.3	ug/L	1	11/07/24	AW	SW8270E
1,2,4-Trichlorobenzene	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
1,2-Dichlorobenzene	ND	2.4	ug/L	1	11/07/24	AW	SW8270E
1,2-Diphenylhydrazine	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
1,3-Dichlorobenzene	ND	2.4	ug/L	1	11/07/24	AW	SW8270E
1,4-Dichlorobenzene	ND	2.4	ug/L	1	11/07/24	AW	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
2,4,5-Trichlorophenol	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
2,4,6-Trichlorophenol	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
2,4-Dichlorophenol	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
2,4-Dimethylphenol	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
2,4-Dinitrophenol	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
2,4-Dinitrotoluene	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
2,6-Dinitrotoluene	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
2-Chloronaphthalene	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
2-Chlorophenol	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
2-Methylphenol (o-cresol)	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
2-Nitroaniline	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
2-Nitrophenol	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	9.4	ug/L	1	11/07/24	AW	SW8270E
3,3'-Dichlorobenzidine	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
3-Nitroaniline	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
4,6-Dinitro-2-methylphenol	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
4-Bromophenyl phenyl ether	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
4-Chloro-3-methylphenol	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
4-Chloroaniline	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
4-Chlorophenyl phenyl ether	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
4-Nitroaniline	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
4-Nitrophenol	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
Acetophenone	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
Aniline	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
Benzidine	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
Benzoic acid	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
Benzyl butyl phthalate	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
Bis(2-chloroethoxy)methane	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
Bis(2-chloroethyl)ether	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
Bis(2-ethylhexyl)phthalate	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
Carbazole	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
Dibenzofuran	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
Diethyl phthalate	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
Dimethylphthalate	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
Di-n-butylphthalate	ND	4.7	ug/L	1	11/07/24	AW	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Di-n-octylphthalate	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
Hexachloroethane	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
Isophorone	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
N-Nitrosodi-n-propylamine	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
N-Nitrosodiphenylamine	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
Pentachloronitrobenzene	ND	2.4	ug/L	1	11/07/24	AW	SW8270E
Phenol	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	69		%	1	11/07/24	AW	15 - 110 %
% 2-Fluorobiphenyl	58		%	1	11/07/24	AW	30 - 130 %
% 2-Fluorophenol	60		%	1	11/07/24	AW	15 - 110 %
% Nitrobenzene-d5	73		%	1	11/07/24	AW	30 - 130 %
% Phenol-d5	64		%	1	11/07/24	AW	15 - 110 %
% Terphenyl-d14	12		%	1	11/07/24	AW	30 - 130 %
<u>Semivolatiles (SIM)</u>							
2-Methylnaphthalene	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Acenaphthene	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Acenaphthylene	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Anthracene	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Benz(a)anthracene	0.20	0.02	ug/L	1	11/06/24	AW	SW8270E (SIM)
Benzo(a)pyrene	0.23	0.02	ug/L	1	11/06/24	AW	SW8270E (SIM)
Benzo(b)fluoranthene	0.14	0.02	ug/L	1	11/06/24	AW	SW8270E (SIM)
Benzo(ghi)perylene	0.75	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Benzo(k)fluoranthene	0.16	0.02	ug/L	1	11/06/24	AW	SW8270E (SIM)
Chrysene	0.20	0.02	ug/L	1	11/06/24	AW	SW8270E (SIM)
Dibenz(a,h)anthracene	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Fluoranthene	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Fluorene	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Hexachlorobenzene	ND	0.04	ug/L	1	11/06/24	AW	SW8270E (SIM)
Hexachlorobutadiene	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Hexachlorocyclopentadiene	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Indeno(1,2,3-cd)pyrene	0.47	0.02	ug/L	1	11/06/24	AW	SW8270E (SIM)
Naphthalene	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Nitrobenzene	ND	0.38	ug/L	1	11/06/24	AW	SW8270E (SIM)
N-Nitrosodimethylamine	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Pentachlorophenol	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Phenanthrene	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Pyrene	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Pyridine	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	72		%	1	11/06/24	AW	15 - 110 %
% 2-Fluorobiphenyl	59		%	1	11/06/24	AW	30 - 130 %
% 2-Fluorophenol	46		%	1	11/06/24	AW	15 - 110 %
% Nitrobenzene-d5	77		%	1	11/06/24	AW	30 - 130 %
% Phenol-d5	50		%	1	11/06/24	AW	15 - 110 %
% Terphenyl-d14	12		%	1	11/06/24	AW	30 - 130 %

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Client ID: TW-1 (5`-15`)

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.

3 = This parameter exceeds laboratory specified limits.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL

BRL=Below Reporting Level L=Biased Low

QA/QC Surrogates: Surrogates are compounds (preceded 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.

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.

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.

Volatile Comment:

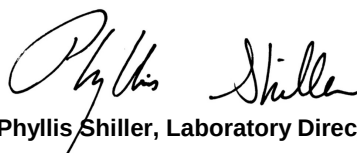
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Semi-Volatile Comment:

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

Dissolved analysis requires filtration. Samples submitted from an unpreserved container have been lab filtered.

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



Phyllis Shiller, Laboratory Director

November 12, 2024

Reviewed and Released by: Phyllis Shiller, Laboratory Director



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



Analysis Report

November 12, 2024

FOR: Attn: Rich Galli
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: GROUND WATER
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date	Time
10/30/24	10:40
10/30/24	17:01

Laboratory Data

SDG ID: GCR96654
Phoenix ID: CR96659

Project ID: INSIRPATION WHARF
Client ID: TW-2 (5'-10')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.001	0.001	mg/L	1	11/02/24	CPP	SW6010D
Aluminum	49.7	0.020	mg/L	1	11/02/24	CPP	SW6010D
Arsenic	0.090	0.004	mg/L	1	11/02/24	CPP	SW6010D
Barium	0.378	0.002	mg/L	1	11/02/24	CPP	SW6010D
Beryllium	0.003	0.001	mg/L	1	11/02/24	CPP	SW6010D
Calcium	348	0.10	mg/L	10	11/05/24	TH	SW6010D
Cadmium	< 0.001	0.001	mg/L	1	11/02/24	CPP	SW6010D
Cobalt	0.039	0.002	mg/L	1	11/02/24	CPP	SW6010D
Chromium	0.201	0.001	mg/L	1	11/02/24	CPP	SW6010D
Copper	1.40	0.005	mg/L	1	11/02/24	CPP	SW6010D
Silver (Dissolved)	< 0.001	0.001	mg/L	1	11/01/24	TH	SW6010D
Aluminum (Dissolved)	0.028	0.011	mg/L	1	11/01/24	TH	SW6010D
Arsenic (Dissolved)	< 0.004	0.004	mg/L	1	11/01/24	TH	SW6010D
Barium (Dissolved)	0.048	0.002	mg/L	1	11/01/24	TH	SW6010D
Beryllium (Dissolved)	< 0.001	0.001	mg/L	1	11/01/24	TH	SW6010D
Calcium (Dissolved)	333	0.11	mg/L	10	11/05/24	TH	SW6010D
Cadmium (Dissolved)	< 0.001	0.001	mg/L	1	11/01/24	TH	SW6010D
Cobalt (Dissolved)	0.004	0.001	mg/L	1	11/01/24	TH	SW6010D
Chromium (Dissolved)	< 0.001	0.001	mg/L	1	11/01/24	TH	SW6010D
Copper (Dissolved)	0.012	0.005	mg/L	1	11/01/24	TH	SW6010D
Iron (Dissolved)	< 0.011	0.011	mg/L	1	11/01/24	TH	SW6010D
Mercury (Dissolved)	< 0.0002	0.0002	mg/L	1	10/31/24	AL1	SW7470A
Potassium (Dissolved)	299	11	mg/L	100	11/06/24	TH	SW6010D
Magnesium (Dissolved)	930	1.1	mg/L	100	11/05/24	TH	SW6010D
Manganese (Dissolved)	0.343	0.001	mg/L	1	11/01/24	TH	SW6010D
Sodium (Dissolved)	7480	110	mg/L	1000	11/05/24	TH	SW6010D
Nickel (Dissolved)	0.003	0.001	mg/L	1	11/01/24	TH	SW6010D
Lead (Dissolved)	< 0.002	0.002	mg/L	1	11/01/24	TH	SW6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Antimony (Dissolved)	< 0.003	0.003	mg/L	1	11/01/24	TH	SW6010D
Selenium (Dissolved)	< 0.010	0.010	mg/L	1	11/01/24	TH	SW6010D
Thallium, Dissolved	< 0.0005	0.0005	mg/L	1	11/01/24	PS	SW6010D
Vanadium (Dissolved)	< 0.002	0.002	mg/L	1	11/01/24	TH	SW6010D
Zinc (Dissolved)	0.019	0.002	mg/L	1	11/01/24	TH	SW6010D
Iron	83.9	0.010	mg/L	1	11/02/24	CPP	SW6010D
Mercury	0.0015	0.0002	mg/L	1	10/31/24	AL1	SW7470A
Potassium	318	10	mg/L	100	11/05/24	TH	SW6010D
Magnesium	959	1.0	mg/L	100	11/05/24	TH	SW6010D
Manganese	2.11	0.001	mg/L	1	11/02/24	CPP	SW6010D
Sodium	8160	100	mg/L	1000	11/05/24	TH	SW6010D
Nickel	0.068	0.001	mg/L	1	11/02/24	CPP	SW6010D
Lead	1.95	0.001	mg/L	1	11/02/24	CPP	SW6010D
Antimony	0.009	0.003	mg/L	1	11/02/24	CPP	SW6010D
Selenium	< 0.010	0.010	mg/L	1	11/02/24	CPP	SW6010D
TCLP Silver	< 0.050	0.050	mg/L	1	10/31/24	CPP	SW6010D
TCLP Arsenic	< 0.020	0.020	mg/L	1	10/31/24	CPP	SW6010D
TCLP Barium	< 0.10	0.10	mg/L	1	10/31/24	CPP	SW6010D
TCLP Cadmium	< 0.0050	0.0050	mg/L	1	10/31/24	CPP	SW6010D
TCLP Chromium	< 0.050	0.050	mg/L	1	10/31/24	CPP	SW6010D
TCLP Mercury	< 0.0002	0.0002	mg/L	1	10/31/24	AL1	SW7470A
TCLP Lead	< 0.020	0.020	mg/L	1	10/31/24	CPP	SW6010D
TCLP Selenium	< 0.010	0.010	mg/L	1	10/31/24	CPP	SW6010D
Thallium	< 0.0005	0.0005	mg/L	1	11/02/24	PS	SW6010D
TCLP Metals Digestion	Completed				10/31/24	AK/GW/AK	SW3010A
Vanadium	0.202	0.002	mg/L	1	11/02/24	CPP	SW6010D
Zinc	1.07	0.004	mg/L	1	11/02/24	CPP	SW6010D
Corrosivity	Negative		Pos/Neg	1	10/30/24	MW	SW846-Corr 1
Flash Point	>200	200	Degree F	1	11/05/24	G	SW1010B
Chromium, Hexavalent	< 0.02	0.02	mg/L	2	10/30/24 20:07	KL1	SM3500CRB-11
Ignitability	Passed	140	degree F	1	11/05/24	G	SW846-Ignit 1
pH	7.43	1.00	pH Units	1	10/30/24 22:30	MW	SM4500-H B-11 1
Reactivity Cyanide	< 2.0	2.0	mg/L	1.97	11/04/24	E/N/G	SW846 7.3.3.1/90 1
Reactivity Sulfide	< 5	5	mg/L	1	11/04/24	NP/GD	SW846 CH7 1
Reactivity	Negative		Pos/Neg	1	11/04/24	NP/GD	SW846-React 1
Lab Filtration	Completed				10/31/24	AG	0.45um Filter
Dissolved Mercury Digestion	Completed				10/31/24	AK/AK	SW7470A
Mercury Digestion	Completed				10/31/24	AK/GW/AK	SW7470A
Extraction for Herbicide	Completed				11/01/24	CV/D	SW8151A
PCB Extraction (LDL)	Completed				11/04/24	A/A	SW3510C
Extraction for Pest (LDL)	Completed				11/04/24	A/A	SW3510C
Semi-Volatile Extraction	Completed				11/04/24	Z/MQ	SW3520C
TCLP Digestion Mercury	Completed				10/31/24	AK/GW/AK	SW7470A
TCLP Extraction for Metals	Completed				10/30/24	AK	SW1311
Total Metals Digestion (GFAA)	Completed				10/31/24	AG	SM3113B-10
Dissolved Metals Preparation	Completed				10/31/24	AG	SW3005A
Dissolved Metals Preparation (MS)	Completed				11/01/24	AG	SW3005A
Total Metals Digestion	Completed				11/01/24	AG	SW3010A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Total Metals Digestion MS	Completed				10/31/24	AG	SW3010A
Extraction of TPH	Completed				11/04/24	Z/MQ	SW3510C/SW3520C
<u>Gasoline Range Hydrocarbons</u>							
GRO (C6-C10)	ND	0.050	mg/L	1	10/31/24	V	SW8015D
<u>QA/QC Surrogates</u>							
% 2,5-Dibromotoluene (FID)	96		%	1	10/31/24	V	70 - 130 %
<u>Chlorinated Herbicides</u>							
2,4,5-T	ND	0.25	ug/L	1	11/04/24	JRB	SW8151A
2,4,5-TP (Silvex)	ND	0.25	ug/L	1	11/04/24	JRB	SW8151A
2,4-D	ND	0.49	ug/L	1	11/04/24	JRB	SW8151A
2,4-DB	ND	4.9	ug/L	1	11/04/24	JRB	SW8151A
Dalapon	ND	0.25	ug/L	1	11/04/24	JRB	SW8151A
Dicamba	ND	0.25	ug/L	1	11/04/24	JRB	SW8151A
Dichloroprop	ND	0.49	ug/L	1	11/04/24	JRB	SW8151A
Dinoseb	ND	0.49	ug/L	1	11/04/24	JRB	SW8151A
<u>QA/QC Surrogates</u>							
% DCAA	73		%	1	11/04/24	JRB	30 - 150 %
% DCAA (Confirmation)	46		%	1	11/04/24	JRB	30 - 150 %
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	0.048	ug/L	1	11/05/24	SC	SW8082A
PCB-1221	ND	0.048	ug/L	1	11/05/24	SC	SW8082A
PCB-1232	ND	0.048	ug/L	1	11/05/24	SC	SW8082A
PCB-1242	ND	0.048	ug/L	1	11/05/24	SC	SW8082A
PCB-1248	ND	0.048	ug/L	1	11/05/24	SC	SW8082A
PCB-1254	ND	0.048	ug/L	1	11/05/24	SC	SW8082A
PCB-1260	ND	0.048	ug/L	1	11/05/24	SC	SW8082A
PCB-1262	ND	0.048	ug/L	1	11/05/24	SC	SW8082A
PCB-1268	ND	0.048	ug/L	1	11/05/24	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	84		%	1	11/05/24	SC	30 - 150 %
% DCBP (Confirmation)	80		%	1	11/05/24	SC	30 - 150 %
% TCMX	71		%	1	11/05/24	SC	30 - 150 %
% TCMX (Confirmation)	67		%	1	11/05/24	SC	30 - 150 %
<u>Pesticides</u>							
4,4' -DDD	ND	0.010	ug/L	1	11/05/24	KCA	SW-846 8081
4,4' -DDE	ND	0.010	ug/L	1	11/05/24	KCA	SW-846 8081
4,4' -DDT	ND	0.010	ug/L	1	11/05/24	KCA	SW-846 8081
a-BHC	ND	0.005	ug/L	1	11/05/24	KCA	SW-846 8081
a-chlordane	ND	0.010	ug/L	1	11/05/24	KCA	SW-846 8081
Alachlor	ND	0.071	ug/L	1	11/05/24	KCA	SW-846 8081
Aldrin	ND	0.001	ug/L	1	11/05/24	KCA	SW-846 8081
b-BHC	ND	0.005	ug/L	1	11/05/24	KCA	SW-846 8081
Chlordane	ND	0.019	ug/L	1	11/05/24	KCA	SW-846 8081
d-BHC	ND	0.005	ug/L	1	11/05/24	KCA	SW-846 8081
Dieldrin	ND	0.001	ug/L	1	11/05/24	KCA	SW-846 8081
Endosulfan I	ND	0.010	ug/L	1	11/05/24	KCA	SW-846 8081

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Endosulfan II	ND	0.010	ug/L	1	11/05/24	KCA	SW-846 8081
Endosulfan Sulfate	ND	0.010	ug/L	1	11/05/24	KCA	SW-846 8081
Endrin	ND	0.010	ug/L	1	11/05/24	KCA	SW-846 8081
Endrin Aldehyde	ND	0.010	ug/L	1	11/05/24	KCA	SW-846 8081
Endrin ketone	ND	0.010	ug/L	1	11/05/24	KCA	SW-846 8081
g-BHC (Lindane)	ND	0.005	ug/L	1	11/05/24	KCA	SW-846 8081
g-chlordane	ND	0.010	ug/L	1	11/05/24	KCA	SW-846 8081
Heptachlor	ND	0.010	ug/L	1	11/05/24	KCA	SW-846 8081
Heptachlor epoxide	ND	0.010	ug/L	1	11/05/24	KCA	SW-846 8081
Methoxychlor	ND	0.095	ug/L	1	11/05/24	KCA	SW-846 8081
Toxaphene	ND	0.19	ug/L	1	11/05/24	KCA	SW-846 8081

QA/QC Surrogates

%DCBP (Surrogate Rec)	73		%	1	11/05/24	KCA	30 - 150 %
%DCBP (Surrogate Rec) (Confirmation)	93		%	1	11/05/24	KCA	30 - 150 %
%TCMX (Surrogate Rec)	62		%	1	11/05/24	KCA	30 - 150 %
%TCMX (Surrogate Rec) (Confirmation)	72		%	1	11/05/24	KCA	30 - 150 %

TPH by GC (Extractable Products)

Aviation Fuel/Kerosene	ND	0.48	mg/L	1	11/05/24	JRB	SW8015D	1
Fuel Oil #2/ Diesel Fuel	ND	0.48	mg/L	1	11/05/24	JRB	SW8015D	1
Fuel Oil #4	ND	0.48	mg/L	1	11/05/24	JRB	SW8015D	1
Fuel Oil #6	ND	0.48	mg/L	1	11/05/24	JRB	SW8015D	1
Motor Oil	ND	0.48	mg/L	1	11/05/24	JRB	SW8015D	1
Total TPH	ND	0.48	mg/L	1	11/05/24	JRB	SW8015D	1,B
Unidentified	ND	0.48	mg/L	1	11/05/24	JRB	SW8015D	1

QA/QC Surrogates

% Terphenyl (surr)	60		%	1	11/05/24	JRB	50 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,1,1-Trichloroethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	11/01/24	MH	SW8260D
1,1,2-Trichloroethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,1-Dichloroethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,1-Dichloroethene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,1-Dichloropropene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,2,3-Trichloropropane	ND	0.25	ug/L	1	11/01/24	MH	SW8260D
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.50	ug/L	1	11/01/24	MH	SW8260D
1,2-Dibromoethane	ND	0.25	ug/L	1	11/01/24	MH	SW8260D
1,2-Dichlorobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,2-Dichloroethane	ND	0.60	ug/L	1	11/01/24	MH	SW8260D
1,2-Dichloropropane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,3-Dichlorobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,3-Dichloropropane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,4-Dichlorobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
2,2-Dichloropropane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2-Chlorotoluene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
2-Hexanone	ND	5.0	ug/L	1	11/01/24	MH	SW8260D
2-Isopropyltoluene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
4-Chlorotoluene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
4-Methyl-2-pentanone	ND	5.0	ug/L	1	11/01/24	MH	SW8260D
Acetone	ND	25	ug/L	1	11/01/24	MH	SW8260D
Acrylonitrile	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Benzene	ND	0.70	ug/L	1	11/01/24	MH	SW8260D
Bromobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Bromochloromethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Bromodichloromethane	ND	0.50	ug/L	1	11/01/24	MH	SW8260D
Bromoform	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Bromomethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Carbon Disulfide	ND	5.0	ug/L	1	11/01/24	MH	SW8260D
Carbon tetrachloride	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Chlorobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Chloroethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Chloroform	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Chloromethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	11/01/24	MH	SW8260D
Dibromochloromethane	ND	0.50	ug/L	1	11/01/24	MH	SW8260D
Dibromomethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Dichlorodifluoromethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Ethylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Hexachlorobutadiene	ND	0.40	ug/L	1	11/01/24	MH	SW8260D
Isopropylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
m&p-Xylene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Methyl ethyl ketone	ND	5.0	ug/L	1	11/01/24	MH	SW8260D
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Methylene chloride	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Naphthalene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
n-Butylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
n-Propylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
o-Xylene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
p-Isopropyltoluene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
sec-Butylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Styrene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
tert-Butylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Tetrachloroethene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	11/01/24	MH	SW8260D
Toluene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Total Xylenes	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	11/01/24	MH	SW8260D
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	11/01/24	MH	SW8260D
Trichloroethene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Trichlorofluoromethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Trichlorotrifluoroethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Vinyl chloride	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99		%	1	11/01/24	MH	70 - 130 %
% Bromofluorobenzene	101		%	1	11/01/24	MH	70 - 130 %
% Dibromofluoromethane	105		%	1	11/01/24	MH	70 - 130 %
% Toluene-d8	96		%	1	11/01/24	MH	70 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	3.3	ug/L	1	11/07/24	AW	SW8270E
1,2,4-Trichlorobenzene	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
1,2-Dichlorobenzene	ND	2.4	ug/L	1	11/07/24	AW	SW8270E
1,2-Diphenylhydrazine	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
1,3-Dichlorobenzene	ND	2.4	ug/L	1	11/07/24	AW	SW8270E
1,4-Dichlorobenzene	ND	2.4	ug/L	1	11/07/24	AW	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
2,4,5-Trichlorophenol	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
2,4,6-Trichlorophenol	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
2,4-Dichlorophenol	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
2,4-Dimethylphenol	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
2,4-Dinitrophenol	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
2,4-Dinitrotoluene	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
2,6-Dinitrotoluene	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
2-Chloronaphthalene	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
2-Chlorophenol	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
2-Methylphenol (o-cresol)	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
2-Nitroaniline	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
2-Nitrophenol	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	9.4	ug/L	1	11/07/24	AW	SW8270E
3,3'-Dichlorobenzidine	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
3-Nitroaniline	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
4,6-Dinitro-2-methylphenol	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
4-Bromophenyl phenyl ether	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
4-Chloro-3-methylphenol	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
4-Chloroaniline	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
4-Chlorophenyl phenyl ether	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
4-Nitroaniline	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
4-Nitrophenol	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
Acetophenone	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
Aniline	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
Benzidine	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
Benzoic acid	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
Benzyl butyl phthalate	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
Bis(2-chloroethoxy)methane	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
Bis(2-chloroethyl)ether	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
Bis(2-ethylhexyl)phthalate	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
Carbazole	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
Dibenzofuran	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
Diethyl phthalate	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
Dimethylphthalate	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
Di-n-butylphthalate	ND	4.7	ug/L	1	11/07/24	AW	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Di-n-octylphthalate	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
Hexachloroethane	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
Isophorone	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
N-Nitrosodi-n-propylamine	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
N-Nitrosodiphenylamine	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
Pentachloronitrobenzene	ND	2.4	ug/L	1	11/07/24	AW	SW8270E
Phenol	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	70		%	1	11/07/24	AW	15 - 110 %
% 2-Fluorobiphenyl	64		%	1	11/07/24	AW	30 - 130 %
% 2-Fluorophenol	58		%	1	11/07/24	AW	15 - 110 %
% Nitrobenzene-d5	67		%	1	11/07/24	AW	30 - 130 %
% Phenol-d5	64		%	1	11/07/24	AW	15 - 110 %
% Terphenyl-d14	50		%	1	11/07/24	AW	30 - 130 %
<u>Semivolatiles (SIM)</u>							
2-Methylnaphthalene	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Acenaphthene	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Acenaphthylene	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Anthracene	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Benz(a)anthracene	ND	0.02	ug/L	1	11/06/24	AW	SW8270E (SIM)
Benzo(a)pyrene	0.03	0.02	ug/L	1	11/06/24	AW	SW8270E (SIM)
Benzo(b)fluoranthene	ND	0.02	ug/L	1	11/06/24	AW	SW8270E (SIM)
Benzo(ghi)perylene	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Benzo(k)fluoranthene	ND	0.02	ug/L	1	11/06/24	AW	SW8270E (SIM)
Chrysene	ND	0.02	ug/L	1	11/06/24	AW	SW8270E (SIM)
Dibenz(a,h)anthracene	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Fluoranthene	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Fluorene	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Hexachlorobenzene	ND	0.04	ug/L	1	11/06/24	AW	SW8270E (SIM)
Hexachlorobutadiene	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Hexachlorocyclopentadiene	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	ug/L	1	11/06/24	AW	SW8270E (SIM)
Naphthalene	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Nitrobenzene	ND	0.38	ug/L	1	11/06/24	AW	SW8270E (SIM)
N-Nitrosodimethylamine	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Pentachlorophenol	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Phenanthrene	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Pyrene	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Pyridine	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	73		%	1	11/06/24	AW	15 - 110 %
% 2-Fluorobiphenyl	65		%	1	11/06/24	AW	30 - 130 %
% 2-Fluorophenol	47		%	1	11/06/24	AW	15 - 110 %
% Nitrobenzene-d5	72		%	1	11/06/24	AW	30 - 130 %
% Phenol-d5	48		%	1	11/06/24	AW	15 - 110 %
% Terphenyl-d14	47		%	1	11/06/24	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.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL

BRL=Below Reporting Level L=Biased Low

QA/QC Surrogates: Surrogates are compounds (preceded 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.

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.

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.

Volatile Comment:

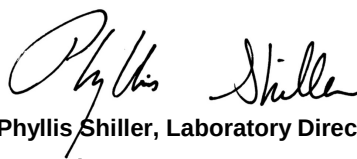
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Semi-Volatile Comment:

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

Dissolved analysis requires filtration. Samples submitted from an unpreserved container have been lab filtered.

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



Phyllis Shiller, Laboratory Director

November 12, 2024

Reviewed and Released by: Phyllis Shiller, Laboratory Director



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



Analysis Report

November 12, 2024

FOR: Attn: Rich Galli
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: SOIL
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date Time
10/30/24 10:00
10/30/24 17:01

Laboratory Data

SDG ID: GCR96654
Phoenix ID: CR96660

Project ID: INSIRPATION WHARF
Client ID: SB-2 GRAB (9.5-10`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Field Extraction	Completed				10/30/24		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,1-Trichloroethane	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,2-Trichloroethane	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloroethane	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloroethene	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloropropene	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,3-Trichloropropane	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dibromoethane	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichlorobenzene	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichloroethane	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichloropropane	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,3-Dichlorobenzene	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,3-Dichloropropane	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,4-Dichlorobenzene	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
2,2-Dichloropropane	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
2-Chlorotoluene	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
2-Hexanone	ND	20	ug/Kg	1	11/02/24	JLI	SW8260D
2-Isopropyltoluene	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
4-Methyl-2-pentanone	ND	20	ug/Kg	1	11/02/24	JLI	SW8260D
Acetone	ND	20	ug/Kg	1	11/02/24	JLI	SW8260D
Acrylonitrile	ND	7.9	ug/Kg	1	11/02/24	JLI	SW8260D
Benzene	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
Bromobenzene	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
Bromochloromethane	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
Bromodichloromethane	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
Bromoform	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
Bromomethane	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
Carbon Disulfide	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
Carbon tetrachloride	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
Chlorobenzene	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
Chloroethane	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
Chloroform	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
Chloromethane	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
cis-1,2-Dichloroethene	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
cis-1,3-Dichloropropene	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
Dibromochloromethane	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
Dibromomethane	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
Dichlorodifluoromethane	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
Ethylbenzene	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
Hexachlorobutadiene	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
Isopropylbenzene	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
m&p-Xylene	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
Methyl Ethyl Ketone	ND	20	ug/Kg	1	11/02/24	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	7.9	ug/Kg	1	11/02/24	JLI	SW8260D
Methylene chloride	ND	7.9	ug/Kg	1	11/02/24	JLI	SW8260D
Naphthalene	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
n-Butylbenzene	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
n-Propylbenzene	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
o-Xylene	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
p-Isopropyltoluene	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
sec-Butylbenzene	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
Styrene	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
tert-Butylbenzene	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
Tetrachloroethene	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
Tetrahydrofuran (THF)	ND	7.9	ug/Kg	1	11/02/24	JLI	SW8260D
Toluene	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
Total Xylenes	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,2-Dichloroethene	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,3-Dichloropropene	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	7.9	ug/Kg	1	11/02/24	JLI	SW8260D
Trichloroethene	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
Trichlorofluoromethane	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
Trichlorotrifluoroethane	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
Vinyl chloride	ND	4.0	ug/Kg	1	11/02/24	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99		%	1	11/02/24	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	97		%	1	11/02/24	JLI	70 - 130 %
% Dibromofluoromethane	94		%	1	11/02/24	JLI	70 - 130 %
% Toluene-d8	107		%	1	11/02/24	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

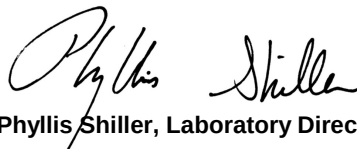
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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

November 12, 2024

Reviewed and Released by: Phyllis Shiller, Laboratory Director



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



Analysis Report

November 12, 2024

FOR: Attn: Rich Galli
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: SOIL
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date Time
10/30/24 10:10
10/30/24 17:01

Laboratory Data

SDG ID: GCR96654
Phoenix ID: CR96661

Project ID: INSIRPATION WHARF
Client ID: SB-2 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.40	0.40	mg/Kg	1	10/31/24	CPP	SW6010D
Aluminum	2070	6.0	mg/Kg	1	10/31/24	CPP	SW6010D
Arsenic	2.42	0.80	mg/Kg	1	10/31/24	CPP	SW6010D
Barium	13.3	0.40	mg/Kg	1	10/31/24	CPP	SW6010D
Beryllium	< 0.32	0.32	mg/Kg	1	10/31/24	CPP	SW6010D
Calcium	564	6.0	mg/Kg	1	10/31/24	CPP	SW6010D
Cadmium	< 0.40	0.40	mg/Kg	1	10/31/24	CPP	SW6010D
Cobalt	1.61	0.40	mg/Kg	1	10/31/24	CPP	SW6010D
Chromium	8.68	0.40	mg/Kg	1	10/31/24	CPP	SW6010D
Copper	20.6	0.8	mg/kg	1	10/31/24	CPP	SW6010D
Iron	4600	6.0	mg/Kg	1	10/31/24	CPP	SW6010D
Mercury	0.75	0.03	mg/Kg	2	10/31/24	AL1	SW7471B
Potassium	674	60	mg/Kg	10	10/31/24	CPP	SW6010D
Magnesium	1090	6.0	mg/Kg	1	10/31/24	CPP	SW6010D
Manganese	46.6	0.40	mg/Kg	1	10/31/24	CPP	SW6010D
Sodium	1550	6.0	mg/Kg	1	10/31/24	CPP	SW6010D
Nickel	4.59	0.40	mg/Kg	1	10/31/24	CPP	SW6010D
Lead	29.2	0.40	mg/Kg	1	10/31/24	CPP	SW6010D
Antimony	< 4.0	4.0	mg/Kg	1	10/31/24	CPP	SW6010D
Selenium	< 1.6	1.6	mg/Kg	1	10/31/24	CPP	SW6010D
TCLP Silver	< 0.050	0.050	mg/L	1	10/31/24	CPP	SW846 1311/6010
TCLP Arsenic	< 0.020	0.020	mg/L	1	10/31/24	CPP	SW846 1311/6010
TCLP Barium	< 0.10	0.10	mg/L	1	10/31/24	CPP	SW846 1311/6010
TCLP Cadmium	< 0.0050	0.0050	mg/L	1	10/31/24	CPP	SW846 1311/6010
TCLP Chromium	< 0.050	0.050	mg/L	1	10/31/24	CPP	SW846 1311/6010
TCLP Mercury	< 0.0002	0.0002	mg/L	1	10/31/24	AL1	SW846 1311/7470
TCLP Lead	< 0.020	0.020	mg/L	1	10/31/24	CPP	SW846 1311/6010
TCLP Selenium	< 0.010	0.010	mg/L	1	10/31/24	CPP	SW846 1311/6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Thallium	< 3.6	3.6	mg/Kg	1	10/31/24	CPP	SW6010D
TCLP Metals Digestion	Completed				10/31/24	AK/GW/AK	SW3010A
Vanadium	9.52	0.40	mg/Kg	1	10/31/24	CPP	SW6010D
Zinc	28.3	0.8	mg/Kg	1	10/31/24	CPP	SW6010D
Percent Solid	82		%		10/30/24	CV	SW846-%Solid
Corrosivity	Negative		Pos/Neg	1	10/30/24	MW	SW846-Corr
Flash Point	>200	200	Degree F	1	11/04/24	G	SW1010B
Chromium, Hex. (SW3060A digestion)	< 0.47	0.47	mg/Kg	1	10/31/24	NP	SW7196A
Ignitability	Passed	140	degree F	1	11/04/24	G	SW846-Ignit
pH at 25C - Soil	7.39	1.00	pH Units	1	10/30/24 22:11	MW	SW846 9045D
Reactivity Cyanide	< 6	6	mg/Kg	1	11/04/24	E/N/G	SW846 7.3.3.1/90
Reactivity Sulfide	< 20	20	mg/Kg	1	11/04/24	NP/GD	SW846 CH7
Reactivity	Negative		Pos/Neg	1	11/04/24	NP/GD	SW846-React
Redox Potential	259		mV	1	10/30/24	MW	SM2580B-09
Mercury Digestion	Completed				10/31/24	AC1/AC1	SW7471B
Extraction of NY ETPH	Completed				10/30/24	R/X/X	SW3546
Soil Extraction for Herbicide	Completed				11/01/24	X/A/D	SW3546
Soil Extraction for PCB	Completed				10/31/24	R/H/X	SW3546
Soil Extraction for Pesticides	Completed				10/31/24	R/H	SW3546
Soil Extraction for SVOA	Completed				11/01/24	H/U	SW3546
Paint Filter Test	Passed		PASS/FAIL		10/30/24	O	SW9095B
TCLP Digestion Mercury	Completed				10/31/24	AK/GW/AK	SW7470A
TCLP Extraction for Metals	Completed				10/30/24	AK	SW1311
Total Metals Digest	Completed				10/30/24	J/AG	SW3050B

Gasoline Range Hydrocarbons (C6-C10)

GRO (C6-C10)	ND	L 7.8	mg/Kg	50	11/04/24	V	SW8015D GRO

QA/QC Surrogates

% 2,5-Dibromotoluene (FID)	96		%	50	11/04/24	V	70 - 130 %

Chlorinated Herbicides

2,4,5-T	ND	150	ug/Kg	10	11/04/24	JRB	SW8151A
2,4,5-TP (Silvex)	ND	150	ug/Kg	10	11/04/24	JRB	SW8151A
2,4-D	ND	300	ug/Kg	10	11/04/24	JRB	SW8151A
2,4-DB	ND	3000	ug/Kg	10	11/04/24	JRB	SW8151A
Dalapon	ND	150	ug/Kg	10	11/04/24	JRB	SW8151A
Dicamba	ND	150	ug/Kg	10	11/04/24	JRB	SW8151A
Dichloroprop	ND	300	ug/Kg	10	11/04/24	JRB	SW8151A
Dinoseb	ND	300	ug/Kg	10	11/04/24	JRB	SW8151A

QA/QC Surrogates

% DCAA	112		%	10	11/04/24	JRB	30 - 150 %
% DCAA (Confirmation)	136		%	10	11/04/24	JRB	30 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	80	ug/Kg	2	11/01/24	SC	SW8082A
PCB-1221	ND	80	ug/Kg	2	11/01/24	SC	SW8082A
PCB-1232	ND	80	ug/Kg	2	11/01/24	SC	SW8082A
PCB-1242	ND	80	ug/Kg	2	11/01/24	SC	SW8082A
PCB-1248	ND	80	ug/Kg	2	11/01/24	SC	SW8082A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1254	ND	80	ug/Kg	2	11/01/24	SC	SW8082A
PCB-1260	ND	80	ug/Kg	2	11/01/24	SC	SW8082A
PCB-1262	ND	80	ug/Kg	2	11/01/24	SC	SW8082A
PCB-1268	ND	80	ug/Kg	2	11/01/24	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	84		%	2	11/01/24	SC	30 - 150 %
% DCBP (Confirmation)	100		%	2	11/01/24	SC	30 - 150 %
% TCMX	83		%	2	11/01/24	SC	30 - 150 %
% TCMX (Confirmation)	71		%	2	11/01/24	SC	30 - 150 %
<u>Pesticides - Soil</u>							
4,4' -DDD	ND	2.4	ug/Kg	2	11/01/24	CN	SW8081B
4,4' -DDE	ND	2.4	ug/Kg	2	11/01/24	CN	SW8081B
4,4' -DDT	ND	2.4	ug/Kg	2	11/01/24	CN	SW8081B
a-BHC	ND	8.0	ug/Kg	2	11/01/24	CN	SW8081B
a-Chlordane	ND	4.0	ug/Kg	2	11/01/24	CN	SW8081B
Aldrin	ND	4.0	ug/Kg	2	11/01/24	CN	SW8081B
b-BHC	ND	8.0	ug/Kg	2	11/01/24	CN	SW8081B
Chlordane	ND	40	ug/Kg	2	11/01/24	CN	SW8081B
d-BHC	ND	8.0	ug/Kg	2	11/01/24	CN	SW8081B
Dieldrin	ND	4.0	ug/Kg	2	11/01/24	CN	SW8081B
Endosulfan I	ND	8.0	ug/Kg	2	11/01/24	CN	SW8081B
Endosulfan II	ND	8.0	ug/Kg	2	11/01/24	CN	SW8081B
Endosulfan sulfate	ND	8.0	ug/Kg	2	11/01/24	CN	SW8081B
Endrin	ND	8.0	ug/Kg	2	11/01/24	CN	SW8081B
Endrin aldehyde	ND	8.0	ug/Kg	2	11/01/24	CN	SW8081B
Endrin ketone	ND	8.0	ug/Kg	2	11/01/24	CN	SW8081B
g-BHC	ND	1.6	ug/Kg	2	11/01/24	CN	SW8081B
g-Chlordane	ND	4.0	ug/Kg	2	11/01/24	CN	SW8081B
Heptachlor	ND	8.0	ug/Kg	2	11/01/24	CN	SW8081B
Heptachlor epoxide	ND	8.0	ug/Kg	2	11/01/24	CN	SW8081B
Methoxychlor	ND	40	ug/Kg	2	11/01/24	CN	SW8081B
Toxaphene	ND	160	ug/Kg	2	11/01/24	CN	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	81		%	2	11/01/24	CN	30 - 150 %
% DCBP (Confirmation)	77		%	2	11/01/24	CN	30 - 150 %
% TCMX	73		%	2	11/01/24	CN	30 - 150 %
% TCMX (Confirmation)	72		%	2	11/01/24	CN	30 - 150 %
<u>TPH DRO (C10-C28)</u>							
Diesel Range Organics (C10-C28)	ND	60	mg/Kg	1	10/31/24	JRB	SW8015D DRO
<u>QA/QC Surrogates</u>							
% COD (surr)	89		%	1	10/31/24	JRB	50 - 150 %
% Terphenyl (surr)	83		%	1	10/31/24	JRB	50 - 150 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
1,2,4-Trichlorobenzene	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
1,2-Dichlorobenzene	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
1,2-Diphenylhydrazine	ND	400	ug/Kg	1	11/02/24	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,3-Dichlorobenzene	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
1,4-Dichlorobenzene	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
2,4,5-Trichlorophenol	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
2,4,6-Trichlorophenol	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
2,4-Dichlorophenol	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
2,4-Dimethylphenol	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
2,4-Dinitrophenol	ND	400	ug/Kg	1	11/02/24	MR	SW8270E
2,4-Dinitrotoluene	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
2,6-Dinitrotoluene	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
2-Chloronaphthalene	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
2-Chlorophenol	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
2-Methylnaphthalene	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
2-Methylphenol (o-cresol)	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
2-Nitroaniline	ND	400	ug/Kg	1	11/02/24	MR	SW8270E
2-Nitrophenol	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	1	11/02/24	MR	SW8270E
3,3'-Dichlorobenzidine	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
3-Nitroaniline	ND	400	ug/Kg	1	11/02/24	MR	SW8270E
4,6-Dinitro-2-methylphenol	ND	400	ug/Kg	1	11/02/24	MR	SW8270E
4-Bromophenyl phenyl ether	ND	400	ug/Kg	1	11/02/24	MR	SW8270E
4-Chloro-3-methylphenol	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
4-Chloroaniline	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
4-Nitroaniline	ND	640	ug/Kg	1	11/02/24	MR	SW8270E
4-Nitrophenol	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
Acenaphthene	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
Acenaphthylene	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
Acetophenone	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
Aniline	ND	400	ug/Kg	1	11/02/24	MR	SW8270E
Anthracene	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
Benz(a)anthracene	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
Benzidine	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
Benzo(a)pyrene	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
Benzo(b)fluoranthene	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
Benzo(ghi)perylene	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
Benzo(k)fluoranthene	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
Benzoic acid	ND	800	ug/Kg	1	11/02/24	MR	SW8270E
Benzyl butyl phthalate	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
Bis(2-chloroethyl)ether	ND	400	ug/Kg	1	11/02/24	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	400	ug/Kg	1	11/02/24	MR	SW8270E
Carbazole	ND	400	ug/Kg	1	11/02/24	MR	SW8270E
Chrysene	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
Dibenz(a,h)anthracene	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
Dibenzofuran	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
Diethyl phthalate	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
Dimethylphthalate	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
Di-n-butylphthalate	ND	400	ug/Kg	1	11/02/24	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Di-n-octylphthalate	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
Fluoranthene	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
Fluorene	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
Hexachlorobenzene	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
Hexachlorobutadiene	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
Hexachlorocyclopentadiene	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
Hexachloroethane	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
Indeno(1,2,3-cd)pyrene	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
Isophorone	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
Naphthalene	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
Nitrobenzene	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
N-Nitrosodimethylamine	ND	400	ug/Kg	1	11/02/24	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
N-Nitrosodiphenylamine	ND	400	ug/Kg	1	11/02/24	MR	SW8270E
Pentachloronitrobenzene	ND	400	ug/Kg	1	11/02/24	MR	SW8270E
Pentachlorophenol	ND	400	ug/Kg	1	11/02/24	MR	SW8270E
Phenanthrene	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
Phenol	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
Pyrene	ND	280	ug/Kg	1	11/02/24	MR	SW8270E
Pyridine	ND	400	ug/Kg	1	11/02/24	MR	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	61		%	1	11/02/24	MR	30 - 130 %
% 2-Fluorobiphenyl	53		%	1	11/02/24	MR	30 - 130 %
% 2-Fluorophenol	50		%	1	11/02/24	MR	30 - 130 %
% Nitrobenzene-d5	54		%	1	11/02/24	MR	30 - 130 %
% Phenol-d5	49		%	1	11/02/24	MR	30 - 130 %
% Terphenyl-d14	46		%	1	11/02/24	MR	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 (preceded 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.

The TPH (C10-C28) is quantitated using an alkane 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.

Hexavalent Chromium:

This sample is in a reducing state.

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.

Semi-Volatile Comment:

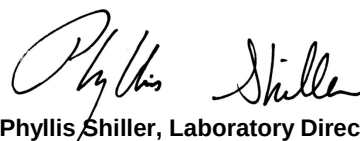
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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.

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

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



Phyllis Shiller, Laboratory Director

November 12, 2024

Reviewed and Released by: Phyllis Shiller, Laboratory Director



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



Analysis Report

November 12, 2024

FOR: Attn: Rich Galli
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: SOIL
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date	Time
10/30/24	10:30
10/30/24	17:01

Laboratory Data

SDG ID: GCR96654
Phoenix ID: CR96662

Project ID: INSIRPATION WHARF
Client ID: SB-3 GRAB (9.5-10`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Field Extraction	Completed				10/30/24		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,1-Trichloroethane	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,2-Trichloroethane	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloroethane	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloroethene	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloropropene	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,3-Trichloropropane	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dibromoethane	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichlorobenzene	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichloroethane	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichloropropane	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,3-Dichlorobenzene	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,3-Dichloropropane	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,4-Dichlorobenzene	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
2,2-Dichloropropane	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
2-Chlorotoluene	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
2-Hexanone	ND	33	ug/Kg	1	11/02/24	JLI	SW8260D
2-Isopropyltoluene	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
4-Methyl-2-pentanone	ND	33	ug/Kg	1	11/02/24	JLI	SW8260D
Acetone	ND	33	ug/Kg	1	11/02/24	JLI	SW8260D
Acrylonitrile	ND	13	ug/Kg	1	11/02/24	JLI	SW8260D
Benzene	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
Bromobenzene	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
Bromochloromethane	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
Bromodichloromethane	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
Bromoform	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
Bromomethane	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
Carbon Disulfide	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
Carbon tetrachloride	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
Chlorobenzene	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
Chloroethane	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
Chloroform	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
Chloromethane	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
cis-1,2-Dichloroethene	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
cis-1,3-Dichloropropene	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
Dibromochloromethane	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
Dibromomethane	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
Dichlorodifluoromethane	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
Ethylbenzene	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
Hexachlorobutadiene	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
Isopropylbenzene	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
m&p-Xylene	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
Methyl Ethyl Ketone	ND	33	ug/Kg	1	11/02/24	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	13	ug/Kg	1	11/02/24	JLI	SW8260D
Methylene chloride	ND	13	ug/Kg	1	11/02/24	JLI	SW8260D
Naphthalene	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
n-Butylbenzene	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
n-Propylbenzene	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
o-Xylene	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
p-Isopropyltoluene	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
sec-Butylbenzene	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
Styrene	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
tert-Butylbenzene	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
Tetrachloroethene	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
Tetrahydrofuran (THF)	ND	13	ug/Kg	1	11/02/24	JLI	SW8260D
Toluene	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
Total Xylenes	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,2-Dichloroethene	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,3-Dichloropropene	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	13	ug/Kg	1	11/02/24	JLI	SW8260D
Trichloroethene	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
Trichlorofluoromethane	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
Trichlorotrifluoroethane	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
Vinyl chloride	ND	6.6	ug/Kg	1	11/02/24	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	103		%	1	11/02/24	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	96		%	1	11/02/24	JLI	70 - 130 %
% Dibromofluoromethane	96		%	1	11/02/24	JLI	70 - 130 %
% Toluene-d8	106		%	1	11/02/24	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

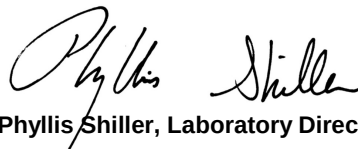
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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

November 12, 2024

Reviewed and Released by: Phyllis Shiller, Laboratory Director



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



Analysis Report

November 12, 2024

FOR: Attn: Rich Galli
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: SOIL
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date	Time
10/30/24	10:35
10/30/24	17:01

Laboratory Data

SDG ID: GCR96654
Phoenix ID: CR96663

Project ID: INSIRPATION WHARF
Client ID: SB-3 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.34	0.34	mg/Kg	1	10/31/24	CPP	SW6010D
Aluminum	5920	5.1	mg/Kg	1	10/31/24	CPP	SW6010D
Arsenic	7.74	0.69	mg/Kg	1	10/31/24	CPP	SW6010D
Barium	87.2	0.34	mg/Kg	1	10/31/24	CPP	SW6010D
Beryllium	0.30	0.27	mg/Kg	1	10/31/24	CPP	SW6010D
Calcium	9620	5.1	mg/Kg	1	10/31/24	CPP	SW6010D
Cadmium	0.48	0.34	mg/Kg	1	10/31/24	CPP	SW6010D
Cobalt	5.34	0.34	mg/Kg	1	10/31/24	CPP	SW6010D
Chromium	20.3	0.34	mg/Kg	1	10/31/24	CPP	SW6010D
Copper	222	0.7	mg/kg	1	10/31/24	CPP	SW6010D
Iron	13400	51	mg/Kg	10	10/31/24	CPP	SW6010D
Mercury	2.25	0.07	mg/Kg	5	10/31/24	AL1	SW7471B
Potassium	1450	51	mg/Kg	10	10/31/24	CPP	SW6010D
Magnesium	4950	5.1	mg/Kg	1	10/31/24	CPP	SW6010D
Manganese	299	0.34	mg/Kg	1	10/31/24	CPP	SW6010D
Sodium	1290	5.1	mg/Kg	1	10/31/24	CPP	SW6010D
Nickel	13.1	0.34	mg/Kg	1	10/31/24	CPP	SW6010D
Lead	954	0.34	mg/Kg	1	10/31/24	CPP	SW6010D
Antimony	< 3.4	3.4	mg/Kg	1	10/31/24	CPP	SW6010D
Selenium	< 1.4	1.4	mg/Kg	1	10/31/24	CPP	SW6010D
TCLP Silver	< 0.050	0.050	mg/L	1	10/31/24	CPP	SW846 1311/6010
TCLP Arsenic	< 0.020	0.020	mg/L	1	10/31/24	CPP	SW846 1311/6010
TCLP Barium	0.54	0.10	mg/L	1	10/31/24	CPP	SW846 1311/6010
TCLP Cadmium	< 0.0050	0.0050	mg/L	1	10/31/24	CPP	SW846 1311/6010
TCLP Chromium	< 0.050	0.050	mg/L	1	10/31/24	CPP	SW846 1311/6010
TCLP Mercury	< 0.0002	0.0002	mg/L	1	10/31/24	AL1	SW846 1311/7470
TCLP Lead	1.70	0.020	mg/L	1	10/31/24	CPP	SW846 1311/6010
TCLP Selenium	< 0.010	0.010	mg/L	1	10/31/24	CPP	SW846 1311/6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Thallium	< 3.1	3.1	mg/Kg	1	10/31/24	CPP	SW6010D
TCLP Metals Digestion	Completed				10/31/24	AK/GW/AK	SW3010A
Vanadium	24.9	0.34	mg/Kg	1	10/31/24	CPP	SW6010D
Zinc	136	0.7	mg/Kg	1	10/31/24	CPP	SW6010D
Percent Solid	90		%		10/30/24	CV	SW846-%Solid
Corrosivity	Negative		Pos/Neg	1	10/30/24	MW	SW846-Corr
Flash Point	>200	200	Degree F	1	11/04/24	G	SW1010B
Chromium, Hex. (SW3060A digestion)	< 0.38	0.38	mg/Kg	1	10/31/24	NP	SW7196A
Ignitability	Passed	140	degree F	1	11/04/24	G	SW846-Ignit
pH at 25C - Soil	7.85	1.00	pH Units	1	10/30/24 22:11	MW	SW846 9045D
Reactivity Cyanide	< 5	5	mg/Kg	1	11/04/24	E/N/G	SW846 7.3.3.1/90
Reactivity Sulfide	< 20	20	mg/Kg	1	11/04/24	NP/GD	SW846 CH7
Reactivity	Negative		Pos/Neg	1	11/04/24	NP/GD	SW846-React
Redox Potential	285		mV	1	10/30/24	MW	SM2580B-09
Mercury Digestion	Completed				10/31/24	AC1/AC1	SW7471B
Extraction of NY ETPH	Completed				10/30/24	R/X/X	SW3546
Soil Extraction for Herbicide	Completed				11/01/24	X/A/D	SW3546
Soil Extraction for PCB	Completed				11/01/24	GW/GW	SW3546
Soil Extraction for Pesticides	Completed				11/01/24	GW/GW	SW3546
Soil Extraction for SVOA	Completed				11/01/24	H/U	SW3546
Paint Filter Test	Passed		PASS/FAIL		10/30/24	O	SW9095B
TCLP Digestion Mercury	Completed				10/31/24	AK/GW/AK	SW7470A
TCLP Extraction for Metals	Completed				10/30/24	AK	SW1311
Total Metals Digest	Completed				10/30/24	J/AG	SW3050B

Gasoline Range Hydrocarbons (C6-C10)

GRO (C6-C10)	ND	L 6.1	mg/Kg	50	11/04/24	V	SW8015D GRO

QA/QC Surrogates

% 2,5-Dibromotoluene (FID)	97		%	50	11/04/24	V	70 - 130 %

Chlorinated Herbicides

2,4,5-T	ND	140	ug/Kg	10	11/04/24	JRB	SW8151A
2,4,5-TP (Silvex)	ND	140	ug/Kg	10	11/04/24	JRB	SW8151A
2,4-D	ND	270	ug/Kg	10	11/04/24	JRB	SW8151A
2,4-DB	ND	2700	ug/Kg	10	11/04/24	JRB	SW8151A
Dalapon	ND	140	ug/Kg	10	11/04/24	JRB	SW8151A
Dicamba	ND	140	ug/Kg	10	11/04/24	JRB	SW8151A
Dichloroprop	ND	270	ug/Kg	10	11/04/24	JRB	SW8151A
Dinoseb	ND	270	ug/Kg	10	11/04/24	JRB	SW8151A

QA/QC Surrogates

% DCAA	106		%	10	11/04/24	JRB	30 - 150 %
% DCAA (Confirmation)	124		%	10	11/04/24	JRB	30 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	72	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1221	ND	72	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1232	ND	72	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1242	ND	72	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1248	ND	72	ug/Kg	2	11/05/24	SC	SW8082A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1254	190	72	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1260	ND	72	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1262	ND	72	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1268	ND	72	ug/Kg	2	11/05/24	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	75		%	2	11/05/24	SC	30 - 150 %
% DCBP (Confirmation)	66		%	2	11/05/24	SC	30 - 150 %
% TCMX	74		%	2	11/05/24	SC	30 - 150 %
% TCMX (Confirmation)	69		%	2	11/05/24	SC	30 - 150 %
<u>Pesticides - Soil</u>							
4,4' -DDD	22	2.2	ug/Kg	2	11/04/24	AW	SW8081B
4,4' -DDE	6.0	2.2	ug/Kg	2	11/04/24	AW	SW8081B
4,4' -DDT	13	2.2	ug/Kg	2	11/04/24	AW	SW8081B
a-BHC	ND	7.2	ug/Kg	2	11/04/24	AW	SW8081B
a-Chlordane	7.4	3.6	ug/Kg	2	11/04/24	AW	SW8081B
Aldrin	ND	3.6	ug/Kg	2	11/04/24	AW	SW8081B
b-BHC	ND	7.2	ug/Kg	2	11/04/24	AW	SW8081B
Chlordane	40	36	ug/Kg	2	11/04/24	AW	SW8081B
d-BHC	ND	7.2	ug/Kg	2	11/04/24	AW	SW8081B
Dieldrin	ND	3.6	ug/Kg	2	11/04/24	AW	SW8081B
Endosulfan I	ND	7.2	ug/Kg	2	11/04/24	AW	SW8081B
Endosulfan II	ND	7.2	ug/Kg	2	11/04/24	AW	SW8081B
Endosulfan sulfate	ND	7.2	ug/Kg	2	11/04/24	AW	SW8081B
Endrin	ND	7.2	ug/Kg	2	11/04/24	AW	SW8081B
Endrin aldehyde	ND	7.2	ug/Kg	2	11/04/24	AW	SW8081B
Endrin ketone	ND	7.2	ug/Kg	2	11/04/24	AW	SW8081B
g-BHC	ND	1.4	ug/Kg	2	11/04/24	AW	SW8081B
g-Chlordane	11	3.6	ug/Kg	2	11/04/24	AW	SW8081B
Heptachlor	ND	7.2	ug/Kg	2	11/04/24	AW	SW8081B
Heptachlor epoxide	ND	7.2	ug/Kg	2	11/04/24	AW	SW8081B
Methoxychlor	ND	36	ug/Kg	2	11/04/24	AW	SW8081B
Toxaphene	ND	140	ug/Kg	2	11/04/24	AW	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	61		%	2	11/04/24	AW	30 - 150 %
% DCBP (Confirmation)	37		%	2	11/04/24	AW	30 - 150 %
% TCMX	56		%	2	11/04/24	AW	30 - 150 %
% TCMX (Confirmation)	51		%	2	11/04/24	AW	30 - 150 %
<u>TPH DRO (C10-C28)</u>							
Diesel Range Organics (C10-C28)	ND	280	mg/Kg	5	11/01/24	JRB	SW8015D DRO
<u>QA/QC Surrogates</u>							
% COD (surr)	56		%	5	11/01/24	JRB	50 - 150 %
% Terphenyl (surr)	82		%	5	11/01/24	JRB	50 - 150 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
1,2,4-Trichlorobenzene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
1,2-Dichlorobenzene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
1,2-Diphenylhydrazine	ND	360	ug/Kg	1	11/02/24	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,3-Dichlorobenzene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
1,4-Dichlorobenzene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
2,4,5-Trichlorophenol	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
2,4,6-Trichlorophenol	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
2,4-Dichlorophenol	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
2,4-Dimethylphenol	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
2,4-Dinitrophenol	ND	360	ug/Kg	1	11/02/24	MR	SW8270E
2,4-Dinitrotoluene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
2,6-Dinitrotoluene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
2-Chloronaphthalene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
2-Chlorophenol	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
2-Methylnaphthalene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
2-Methylphenol (o-cresol)	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
2-Nitroaniline	ND	360	ug/Kg	1	11/02/24	MR	SW8270E
2-Nitrophenol	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	1	11/02/24	MR	SW8270E
3,3'-Dichlorobenzidine	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
3-Nitroaniline	ND	360	ug/Kg	1	11/02/24	MR	SW8270E
4,6-Dinitro-2-methylphenol	ND	360	ug/Kg	1	11/02/24	MR	SW8270E
4-Bromophenyl phenyl ether	ND	360	ug/Kg	1	11/02/24	MR	SW8270E
4-Chloro-3-methylphenol	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
4-Chloroaniline	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
4-Nitroaniline	ND	570	ug/Kg	1	11/02/24	MR	SW8270E
4-Nitrophenol	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Acenaphthene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Acenaphthylene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Acetophenone	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Aniline	ND	360	ug/Kg	1	11/02/24	MR	SW8270E
Anthracene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Benz(a)anthracene	260	250	ug/Kg	1	11/02/24	MR	SW8270E
Benzidine	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Benzo(a)pyrene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Benzo(b)fluoranthene	310	250	ug/Kg	1	11/02/24	MR	SW8270E
Benzo(ghi)perylene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Benzo(k)fluoranthene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Benzoic acid	ND	720	ug/Kg	1	11/02/24	MR	SW8270E
Benzyl butyl phthalate	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Bis(2-chloroethyl)ether	ND	360	ug/Kg	1	11/02/24	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	360	ug/Kg	1	11/02/24	MR	SW8270E
Carbazole	ND	360	ug/Kg	1	11/02/24	MR	SW8270E
Chrysene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Dibenz(a,h)anthracene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Dibenzofuran	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Diethyl phthalate	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Dimethylphthalate	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Di-n-butylphthalate	ND	360	ug/Kg	1	11/02/24	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Di-n-octylphthalate	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Fluoranthene	430	250	ug/Kg	1	11/02/24	MR	SW8270E
Fluorene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Hexachlorobenzene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Hexachlorobutadiene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Hexachlorocyclopentadiene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Hexachloroethane	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Isophorone	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Naphthalene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Nitrobenzene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
N-Nitrosodimethylamine	ND	360	ug/Kg	1	11/02/24	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
N-Nitrosodiphenylamine	ND	360	ug/Kg	1	11/02/24	MR	SW8270E
Pentachloronitrobenzene	ND	360	ug/Kg	1	11/02/24	MR	SW8270E
Pentachlorophenol	ND	360	ug/Kg	1	11/02/24	MR	SW8270E
Phenanthrene	320	250	ug/Kg	1	11/02/24	MR	SW8270E
Phenol	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Pyrene	330	250	ug/Kg	1	11/02/24	MR	SW8270E
Pyridine	ND	360	ug/Kg	1	11/02/24	MR	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	58		%	1	11/02/24	MR	30 - 130 %
% 2-Fluorobiphenyl	51		%	1	11/02/24	MR	30 - 130 %
% 2-Fluorophenol	43		%	1	11/02/24	MR	30 - 130 %
% Nitrobenzene-d5	52		%	1	11/02/24	MR	30 - 130 %
% Phenol-d5	45		%	1	11/02/24	MR	30 - 130 %
% Terphenyl-d14	40		%	1	11/02/24	MR	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 (preceded 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.

The TPH (C10-C28) is quantitated using an alkane 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.

Hexavalent Chromium:

This sample is in a reducing state.

Semi-Volatile Comment:

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

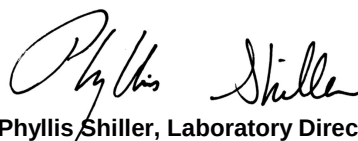
This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the GRO/VPH soil data as biased low.

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.

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

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



Phyllis Shiller, Laboratory Director

November 12, 2024

Reviewed and Released by: Phyllis Shiller, Laboratory Director



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



Analysis Report

November 12, 2024

FOR: Attn: Rich Galli
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: GROUND WATER
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date Time
10/30/24 11:40
10/30/24 17:01

Laboratory Data

SDG ID: GCR96654
Phoenix ID: CR96664

Project ID: INSIRPATION WHARF
Client ID: TW-3 (5'-10')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.001	0.001	mg/L	1	11/02/24	CPP	SW6010D
Aluminum	1.81	0.020	mg/L	1	11/02/24	CPP	SW6010D
Arsenic	0.007	0.004	mg/L	1	11/02/24	CPP	SW6010D
Barium	0.035	0.002	mg/L	1	11/02/24	CPP	SW6010D
Beryllium	< 0.001	0.001	mg/L	1	11/02/24	CPP	SW6010D
Calcium	316	0.10	mg/L	10	11/05/24	TH	SW6010D
Cadmium	< 0.001	0.001	mg/L	1	11/02/24	CPP	SW6010D
Cobalt	< 0.002	0.002	mg/L	1	11/02/24	CPP	SW6010D
Chromium	0.004	0.001	mg/L	1	11/02/24	CPP	SW6010D
Copper	0.063	0.005	mg/L	1	11/02/24	CPP	SW6010D
Silver (Dissolved)	< 0.001	0.001	mg/L	1	11/01/24	TH	SW6010D
Aluminum (Dissolved)	0.033	0.011	mg/L	1	11/01/24	TH	SW6010D
Arsenic (Dissolved)	< 0.004	0.004	mg/L	1	11/01/24	TH	SW6010D
Barium (Dissolved)	0.020	0.002	mg/L	1	11/01/24	TH	SW6010D
Beryllium (Dissolved)	< 0.001	0.001	mg/L	1	11/01/24	TH	SW6010D
Calcium (Dissolved)	316	0.11	mg/L	10	11/05/24	TH	SW6010D
Cadmium (Dissolved)	< 0.001	0.001	mg/L	1	11/01/24	TH	SW6010D
Cobalt (Dissolved)	< 0.001	0.001	mg/L	1	11/01/24	TH	SW6010D
Chromium (Dissolved)	< 0.001	0.001	mg/L	1	11/01/24	TH	SW6010D
Copper (Dissolved)	0.009	0.005	mg/L	1	11/01/24	TH	SW6010D
Iron (Dissolved)	< 0.011	0.011	mg/L	1	11/01/24	TH	SW6010D
Mercury (Dissolved)	< 0.0002	0.0002	mg/L	1	10/31/24	AL1	SW7470A
Potassium (Dissolved)	310	11	mg/L	100	11/06/24	TH	SW6010D
Magnesium (Dissolved)	927	1.1	mg/L	100	11/05/24	TH	SW6010D
Manganese (Dissolved)	0.009	0.001	mg/L	1	11/01/24	TH	SW6010D
Sodium (Dissolved)	7900	110	mg/L	1000	11/05/24	TH	SW6010D
Nickel (Dissolved)	< 0.001	0.001	mg/L	1	11/01/24	TH	SW6010D
Lead (Dissolved)	0.005	0.002	mg/L	1	11/01/24	TH	SW6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Antimony (Dissolved)	< 0.003	0.003	mg/L	1	11/01/24	TH	SW6010D
Selenium (Dissolved)	< 0.010	0.010	mg/L	1	11/01/24	TH	SW6010D
Thallium, Dissolved	< 0.0005	0.0005	mg/L	1	11/01/24	PS	SW6010D
Vanadium (Dissolved)	< 0.002	0.002	mg/L	1	11/01/24	TH	SW6010D
Zinc (Dissolved)	0.012	0.002	mg/L	1	11/01/24	TH	SW6010D
Iron	1.93	0.010	mg/L	1	11/02/24	CPP	SW6010D
Mercury	0.0003	0.0002	mg/L	1	10/31/24	AL1	SW7470A
Potassium	301	10	mg/L	100	11/05/24	TH	SW6010D
Magnesium	942	1.0	mg/L	100	11/05/24	TH	SW6010D
Manganese	0.172	0.001	mg/L	1	11/02/24	CPP	SW6010D
Sodium	8070	100	mg/L	1000	11/05/24	TH	SW6010D
Nickel	0.004	0.001	mg/L	1	11/02/24	CPP	SW6010D
Lead	0.279	0.001	mg/L	1	11/02/24	CPP	SW6010D
Antimony	< 0.003	0.003	mg/L	1	11/02/24	CPP	SW6010D
Selenium	< 0.010	0.010	mg/L	1	11/02/24	CPP	SW6010D
TCLP Silver	< 0.050	0.050	mg/L	1	10/31/24	CPP	SW6010D
TCLP Arsenic	< 0.020	0.020	mg/L	1	10/31/24	CPP	SW6010D
TCLP Barium	< 0.10	0.10	mg/L	1	10/31/24	CPP	SW6010D
TCLP Cadmium	< 0.0050	0.0050	mg/L	1	10/31/24	CPP	SW6010D
TCLP Chromium	< 0.050	0.050	mg/L	1	10/31/24	CPP	SW6010D
TCLP Mercury	< 0.0002	0.0002	mg/L	1	10/31/24	AL1	SW7470A
TCLP Lead	< 0.020	0.020	mg/L	1	10/31/24	CPP	SW6010D
TCLP Selenium	< 0.010	0.010	mg/L	1	10/31/24	CPP	SW6010D
Thallium	< 0.0005	0.0005	mg/L	1	11/02/24	PS	SW6010D
TCLP Metals Digestion	Completed				10/31/24	AK/GW/AK	SW3010A
Vanadium	0.006	0.002	mg/L	1	11/02/24	CPP	SW6010D
Zinc	0.061	0.004	mg/L	1	11/02/24	CPP	SW6010D
Corrosivity	Negative		Pos/Neg	1	10/30/24	MW	SW846-Corr 1
Flash Point	>200	200	Degree F	1	11/05/24	G	SW1010B
Chromium, Hexavalent	< 0.01	0.01	mg/L	1	10/30/24 20:07	KL1	SM3500CRB-11
Ignitability	Passed	140	degree F	1	11/05/24	G	SW846-Ignit 1
pH	7.51	1.00	pH Units	1	10/30/24 22:30	MW	SM4500-H B-11 1
Reactivity Cyanide	< 2.0	2.0	mg/L	2.03	11/04/24	E/N/G	SW846 7.3.3.1/90 1
Reactivity Sulfide	< 5	5	mg/L	1	11/04/24	NP/GD	SW846 CH7 1
Reactivity	Negative		Pos/Neg	1	11/04/24	NP/GD	SW846-React 1
Lab Filtration	Completed				10/31/24	AG	0.45um Filter
Dissolved Mercury Digestion	Completed				10/31/24	AK/AK	SW7470A
Mercury Digestion	Completed				10/31/24	AK/GW/AK	SW7470A
Extraction for Herbicide	Completed				11/01/24	CV/D	SW8151A
PCB Extraction (LDL)	Completed				11/04/24	A/A	SW3510C
Extraction for Pest (LDL)	Completed				11/04/24	A/A	SW3510C
Semi-Volatile Extraction	Completed				11/04/24	Z/MQ	SW3520C
TCLP Digestion Mercury	Completed				10/31/24	AK/GW/AK	SW7470A
TCLP Extraction for Metals	Completed				10/30/24	AK	SW1311
Total Metals Digestion (GFAA)	Completed				10/31/24	AG	SM3113B-10
Dissolved Metals Preparation	Completed				10/31/24	AG	SW3005A
Dissolved Metals Preparation (MS)	Completed				11/01/24	AG	SW3005A
Total Metals Digestion	Completed				11/01/24	AG	SW3010A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Total Metals Digestion MS	Completed				10/31/24	AG	SW3010A
Extraction of TPH	Completed				11/04/24	Z/MQ	SW3510C/SW3520C
<u>Gasoline Range Hydrocarbons</u>							
GRO (C6-C10)	ND	0.050	mg/L	1	10/31/24	V	SW8015D
<u>QA/QC Surrogates</u>							
% 2,5-Dibromotoluene (FID)	90		%	1	10/31/24	V	70 - 130 %
<u>Chlorinated Herbicides</u>							
2,4,5-T	ND	0.23	ug/L	1	11/04/24	JRB	SW8151A
2,4,5-TP (Silvex)	ND	0.23	ug/L	1	11/04/24	JRB	SW8151A
2,4-D	ND	0.47	ug/L	1	11/04/24	JRB	SW8151A
2,4-DB	ND	4.7	ug/L	1	11/04/24	JRB	SW8151A
Dalapon	ND	0.23	ug/L	1	11/04/24	JRB	SW8151A
Dicamba	ND	0.23	ug/L	1	11/04/24	JRB	SW8151A
Dichloroprop	ND	0.47	ug/L	1	11/04/24	JRB	SW8151A
Dinoseb	ND	0.47	ug/L	1	11/04/24	JRB	SW8151A
<u>QA/QC Surrogates</u>							
% DCAA	75		%	1	11/04/24	JRB	30 - 150 %
% DCAA (Confirmation)	46		%	1	11/04/24	JRB	30 - 150 %
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	0.048	ug/L	1	11/05/24	SC	SW8082A
PCB-1221	ND	0.048	ug/L	1	11/05/24	SC	SW8082A
PCB-1232	ND	0.048	ug/L	1	11/05/24	SC	SW8082A
PCB-1242	ND	0.048	ug/L	1	11/05/24	SC	SW8082A
PCB-1248	ND	0.048	ug/L	1	11/05/24	SC	SW8082A
PCB-1254	0.061	0.048	ug/L	1	11/05/24	SC	SW8082A
PCB-1260	ND	0.048	ug/L	1	11/05/24	SC	SW8082A
PCB-1262	ND	0.048	ug/L	1	11/05/24	SC	SW8082A
PCB-1268	ND	0.048	ug/L	1	11/05/24	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	96		%	1	11/05/24	SC	30 - 150 %
% DCBP (Confirmation)	84		%	1	11/05/24	SC	30 - 150 %
% TCMX	77		%	1	11/05/24	SC	30 - 150 %
% TCMX (Confirmation)	70		%	1	11/05/24	SC	30 - 150 %
<u>Pesticides</u>							
4,4' -DDD	ND	0.010	ug/L	1	11/05/24	KCA	SW-846 8081
4,4' -DDE	ND	0.010	ug/L	1	11/05/24	KCA	SW-846 8081
4,4' -DDT	ND	0.010	ug/L	1	11/05/24	KCA	SW-846 8081
a-BHC	ND	0.005	ug/L	1	11/05/24	KCA	SW-846 8081
a-chlordane	ND	0.010	ug/L	1	11/05/24	KCA	SW-846 8081
Alachlor	ND	0.072	ug/L	1	11/05/24	KCA	SW-846 8081
Aldrin	ND	0.001	ug/L	1	11/05/24	KCA	SW-846 8081
b-BHC	ND	0.005	ug/L	1	11/05/24	KCA	SW-846 8081
Chlordane	ND	0.019	ug/L	1	11/05/24	KCA	SW-846 8081
d-BHC	ND	0.005	ug/L	1	11/05/24	KCA	SW-846 8081
Dieldrin	ND	0.001	ug/L	1	11/05/24	KCA	SW-846 8081
Endosulfan I	ND	0.010	ug/L	1	11/05/24	KCA	SW-846 8081

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Endosulfan II	ND	0.010	ug/L	1	11/05/24	KCA	SW-846 8081
Endosulfan Sulfate	ND	0.010	ug/L	1	11/05/24	KCA	SW-846 8081
Endrin	ND	0.010	ug/L	1	11/05/24	KCA	SW-846 8081
Endrin Aldehyde	ND	0.010	ug/L	1	11/05/24	KCA	SW-846 8081
Endrin ketone	ND	0.010	ug/L	1	11/05/24	KCA	SW-846 8081
g-BHC (Lindane)	ND	0.005	ug/L	1	11/05/24	KCA	SW-846 8081
g-chlordane	ND	0.010	ug/L	1	11/05/24	KCA	SW-846 8081
Heptachlor	ND	0.010	ug/L	1	11/05/24	KCA	SW-846 8081
Heptachlor epoxide	ND	0.010	ug/L	1	11/05/24	KCA	SW-846 8081
Methoxychlor	ND	0.096	ug/L	1	11/05/24	KCA	SW-846 8081
Toxaphene	ND	0.19	ug/L	1	11/05/24	KCA	SW-846 8081

QA/QC Surrogates

%DCBP (Surrogate Rec)	88		%	1	11/05/24	KCA	30 - 150 %
%DCBP (Surrogate Rec) (Confirmation)	105		%	1	11/05/24	KCA	30 - 150 %
%TCMX (Surrogate Rec)	68		%	1	11/05/24	KCA	30 - 150 %
%TCMX (Surrogate Rec) (Confirmation)	76		%	1	11/05/24	KCA	30 - 150 %

TPH by GC (Extractable Products)

Aviation Fuel/Kerosene	ND	0.47	mg/L	1	11/05/24	JRB	SW8015D	1
Fuel Oil #2/ Diesel Fuel	ND	0.47	mg/L	1	11/05/24	JRB	SW8015D	1
Fuel Oil #4	ND	0.47	mg/L	1	11/05/24	JRB	SW8015D	1
Fuel Oil #6	ND	0.47	mg/L	1	11/05/24	JRB	SW8015D	1
Motor Oil	ND	0.47	mg/L	1	11/05/24	JRB	SW8015D	1
Total TPH	ND	0.47	mg/L	1	11/05/24	JRB	SW8015D	1,B
Unidentified	ND	0.47	mg/L	1	11/05/24	JRB	SW8015D	1

QA/QC Surrogates

% Terphenyl (surr)	50		%	1	11/05/24	JRB	50 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,1,1-Trichloroethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	11/01/24	MH	SW8260D
1,1,2-Trichloroethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,1-Dichloroethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,1-Dichloroethene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,1-Dichloropropene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,2,3-Trichloropropane	ND	0.25	ug/L	1	11/01/24	MH	SW8260D
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.50	ug/L	1	11/01/24	MH	SW8260D
1,2-Dibromoethane	ND	0.25	ug/L	1	11/01/24	MH	SW8260D
1,2-Dichlorobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,2-Dichloroethane	ND	0.60	ug/L	1	11/01/24	MH	SW8260D
1,2-Dichloropropane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,3-Dichlorobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,3-Dichloropropane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
1,4-Dichlorobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
2,2-Dichloropropane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2-Chlorotoluene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
2-Hexanone	ND	5.0	ug/L	1	11/01/24	MH	SW8260D
2-Isopropyltoluene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
4-Chlorotoluene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
4-Methyl-2-pentanone	ND	5.0	ug/L	1	11/01/24	MH	SW8260D
Acetone	ND	25	ug/L	1	11/01/24	MH	SW8260D
Acrylonitrile	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Benzene	ND	0.70	ug/L	1	11/01/24	MH	SW8260D
Bromobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Bromochloromethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Bromodichloromethane	ND	0.50	ug/L	1	11/01/24	MH	SW8260D
Bromoform	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Bromomethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Carbon Disulfide	ND	5.0	ug/L	1	11/01/24	MH	SW8260D
Carbon tetrachloride	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Chlorobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Chloroethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Chloroform	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Chloromethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	11/01/24	MH	SW8260D
Dibromochloromethane	ND	0.50	ug/L	1	11/01/24	MH	SW8260D
Dibromomethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Dichlorodifluoromethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Ethylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Hexachlorobutadiene	ND	0.40	ug/L	1	11/01/24	MH	SW8260D
Isopropylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
m&p-Xylene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Methyl ethyl ketone	ND	5.0	ug/L	1	11/01/24	MH	SW8260D
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Methylene chloride	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Naphthalene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
n-Butylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
n-Propylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
o-Xylene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
p-Isopropyltoluene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
sec-Butylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Styrene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
tert-Butylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Tetrachloroethene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	11/01/24	MH	SW8260D
Toluene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Total Xylenes	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	11/01/24	MH	SW8260D
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	11/01/24	MH	SW8260D
Trichloroethene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Trichlorofluoromethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Trichlorotrifluoroethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Vinyl chloride	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	101		%	1	11/01/24	MH	70 - 130 %
% Bromofluorobenzene	101		%	1	11/01/24	MH	70 - 130 %
% Dibromofluoromethane	108		%	1	11/01/24	MH	70 - 130 %
% Toluene-d8	96		%	1	11/01/24	MH	70 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	3.3	ug/L	1	11/07/24	AW	SW8270E
1,2,4-Trichlorobenzene	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
1,2-Dichlorobenzene	ND	2.4	ug/L	1	11/07/24	AW	SW8270E
1,2-Diphenylhydrazine	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
1,3-Dichlorobenzene	ND	2.4	ug/L	1	11/07/24	AW	SW8270E
1,4-Dichlorobenzene	ND	2.4	ug/L	1	11/07/24	AW	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
2,4,5-Trichlorophenol	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
2,4,6-Trichlorophenol	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
2,4-Dichlorophenol	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
2,4-Dimethylphenol	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
2,4-Dinitrophenol	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
2,4-Dinitrotoluene	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
2,6-Dinitrotoluene	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
2-Chloronaphthalene	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
2-Chlorophenol	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
2-Methylphenol (o-cresol)	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
2-Nitroaniline	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
2-Nitrophenol	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	9.4	ug/L	1	11/07/24	AW	SW8270E
3,3'-Dichlorobenzidine	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
3-Nitroaniline	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
4,6-Dinitro-2-methylphenol	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
4-Bromophenyl phenyl ether	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
4-Chloro-3-methylphenol	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
4-Chloroaniline	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
4-Chlorophenyl phenyl ether	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
4-Nitroaniline	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
4-Nitrophenol	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
Acetophenone	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
Aniline	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
Benzidine	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
Benzoic acid	ND	47	ug/L	1	11/07/24	AW	SW8270E
Benzyl butyl phthalate	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
Bis(2-chloroethoxy)methane	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
Bis(2-chloroethyl)ether	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
Bis(2-ethylhexyl)phthalate	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
Carbazole	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
Dibenzofuran	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
Diethyl phthalate	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
Dimethylphthalate	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
Di-n-butylphthalate	ND	4.7	ug/L	1	11/07/24	AW	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Di-n-octylphthalate	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
Hexachloroethane	ND	0.94	ug/L	1	11/07/24	AW	SW8270E
Isophorone	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
N-Nitrosodi-n-propylamine	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
N-Nitrosodiphenylamine	ND	4.7	ug/L	1	11/07/24	AW	SW8270E
Pentachloronitrobenzene	ND	2.4	ug/L	1	11/07/24	AW	SW8270E
Phenol	ND	0.94	ug/L	1	11/07/24	AW	SW8270E

QA/QC Surrogates

% 2,4,6-Tribromophenol	39		%	1	11/07/24	AW	15 - 110 %
% 2-Fluorobiphenyl	45		%	1	11/07/24	AW	30 - 130 %
% 2-Fluorophenol	36		%	1	11/07/24	AW	15 - 110 %
% Nitrobenzene-d5	50		%	1	11/07/24	AW	30 - 130 %
% Phenol-d5	40		%	1	11/07/24	AW	15 - 110 %
% Terphenyl-d14	20		%	1	11/07/24	AW	30 - 130 %

3

Semivolatiles (SIM)

2-Methylnaphthalene	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Acenaphthene	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Acenaphthylene	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Anthracene	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Benz(a)anthracene	0.30	0.02	ug/L	1	11/06/24	AW	SW8270E (SIM)
Benzo(a)pyrene	0.32	0.02	ug/L	1	11/06/24	AW	SW8270E (SIM)
Benzo(b)fluoranthene	0.27	0.02	ug/L	1	11/06/24	AW	SW8270E (SIM)
Benzo(ghi)perylene	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Benzo(k)fluoranthene	0.26	0.02	ug/L	1	11/06/24	AW	SW8270E (SIM)
Chrysene	0.34	0.02	ug/L	1	11/06/24	AW	SW8270E (SIM)
Dibenz(a,h)anthracene	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Fluoranthene	0.73	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Fluorene	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Hexachlorobenzene	ND	0.04	ug/L	1	11/06/24	AW	SW8270E (SIM)
Hexachlorobutadiene	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Hexachlorocyclopentadiene	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Indeno(1,2,3-cd)pyrene	0.18	0.02	ug/L	1	11/06/24	AW	SW8270E (SIM)
Naphthalene	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Nitrobenzene	ND	0.38	ug/L	1	11/06/24	AW	SW8270E (SIM)
N-Nitrosodimethylamine	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Pentachlorophenol	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Phenanthrene	0.61	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Pyrene	0.63	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)
Pyridine	ND	0.47	ug/L	1	11/06/24	AW	SW8270E (SIM)

QA/QC Surrogates

% 2,4,6-Tribromophenol	40		%	1	11/06/24	AW	15 - 110 %
% 2-Fluorobiphenyl	47		%	1	11/06/24	AW	30 - 130 %
% 2-Fluorophenol	30		%	1	11/06/24	AW	15 - 110 %
% Nitrobenzene-d5	55		%	1	11/06/24	AW	30 - 130 %
% Phenol-d5	32		%	1	11/06/24	AW	15 - 110 %
% Terphenyl-d14	21		%	1	11/06/24	AW	30 - 130 %

3

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.

3 = This parameter exceeds laboratory specified limits.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL

BRL=Below Reporting Level L=Biased Low

QA/QC Surrogates: Surrogates are compounds (preceded 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.

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.

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.

Volatile Comment:

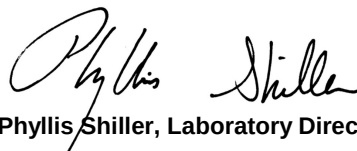
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Semi-Volatile Comment:

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

Dissolved analysis requires filtration. Samples submitted from an unpreserved container have been lab filtered.

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



Phyllis Shiller, Laboratory Director

November 12, 2024

Reviewed and Released by: Phyllis Shiller, Laboratory Director



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



Analysis Report

November 12, 2024

FOR: Attn: Rich Galli
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: SOIL
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date Time
10/30/24 11:00
10/30/24 17:01

Laboratory Data

SDG ID: GCR96654
Phoenix ID: CR96665

Project ID: INSIRPATION WHARF
Client ID: SB-5 GRAB (9.5-10`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Field Extraction	Completed				10/30/24		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,1-Trichloroethane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	330	ug/Kg	50	11/02/24	JLI	SW8260D
1,1,2-Trichloroethane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloroethane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloroethene	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloropropene	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	330	ug/Kg	50	11/02/24	JLI	SW8260D
1,2,3-Trichloropropane	ND	330	ug/Kg	50	11/02/24	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	330	ug/Kg	50	11/02/24	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	330	ug/Kg	50	11/02/24	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	330	ug/Kg	50	11/02/24	JLI	SW8260D
1,2-Dibromoethane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichlorobenzene	ND	330	ug/Kg	50	11/02/24	JLI	SW8260D
1,2-Dichloroethane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichloropropane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	330	ug/Kg	50	11/02/24	JLI	SW8260D
1,3-Dichlorobenzene	ND	330	ug/Kg	50	11/02/24	JLI	SW8260D
1,3-Dichloropropane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
1,4-Dichlorobenzene	ND	330	ug/Kg	50	11/02/24	JLI	SW8260D
2,2-Dichloropropane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
2-Chlorotoluene	ND	330	ug/Kg	50	11/02/24	JLI	SW8260D
2-Hexanone	ND	29	ug/Kg	1	11/02/24	JLI	SW8260D
2-Isopropyltoluene	ND	330	ug/Kg	50	11/02/24	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	330	ug/Kg	50	11/02/24	JLI	SW8260D
4-Methyl-2-pentanone	ND	29	ug/Kg	1	11/02/24	JLI	SW8260D
Acetone	ND	29	ug/Kg	1	11/02/24	JLI	SW8260D
Acrylonitrile	ND	12	ug/Kg	1	11/02/24	JLI	SW8260D
Benzene	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Bromobenzene	ND	330	ug/Kg	50	11/02/24	JLI	SW8260D
Bromochloromethane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Bromodichloromethane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Bromoform	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Bromomethane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Carbon Disulfide	17	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Carbon tetrachloride	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Chlorobenzene	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Chloroethane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Chloroform	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Chloromethane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
cis-1,2-Dichloroethene	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
cis-1,3-Dichloropropene	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Dibromochloromethane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Dibromomethane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Dichlorodifluoromethane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Ethylbenzene	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Hexachlorobutadiene	ND	330	ug/Kg	50	11/02/24	JLI	SW8260D
Isopropylbenzene	ND	330	ug/Kg	50	11/02/24	JLI	SW8260D
m&p-Xylene	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Methyl Ethyl Ketone	ND	29	ug/Kg	1	11/02/24	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	1	11/02/24	JLI	SW8260D
Methylene chloride	ND	12	ug/Kg	1	11/02/24	JLI	SW8260D
Naphthalene	ND	330	ug/Kg	50	11/02/24	JLI	SW8260D
n-Butylbenzene	ND	330	ug/Kg	50	11/02/24	JLI	SW8260D
n-Propylbenzene	ND	330	ug/Kg	50	11/02/24	JLI	SW8260D
o-Xylene	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
p-Isopropyltoluene	ND	330	ug/Kg	50	11/02/24	JLI	SW8260D
sec-Butylbenzene	ND	330	ug/Kg	50	11/02/24	JLI	SW8260D
Styrene	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
tert-Butylbenzene	ND	330	ug/Kg	50	11/02/24	JLI	SW8260D
Tetrachloroethene	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Tetrahydrofuran (THF)	ND	12	ug/Kg	1	11/02/24	JLI	SW8260D
Toluene	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Total Xylenes	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,2-Dichloroethene	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,3-Dichloropropene	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	650	ug/Kg	50	11/02/24	JLI	SW8260D
Trichloroethene	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Trichlorofluoromethane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Trichlorotrifluoroethane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Vinyl chloride	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	109		%	1	11/02/24	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	79		%	1	11/02/24	JLI	70 - 130 %
% Dibromofluoromethane	101		%	1	11/02/24	JLI	70 - 130 %
% Toluene-d8	107		%	1	11/02/24	JLI	70 - 130 %
% 1,2-dichlorobenzene-d4 (50x)	100		%	50	11/02/24	JLI	70 - 130 %
% Bromofluorobenzene (50x)	108		%	50	11/02/24	JLI	70 - 130 %
% Dibromofluoromethane (50x)	93		%	50	11/02/24	JLI	70 - 130 %
% Toluene-d8 (50x)	110		%	50	11/02/24	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 (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

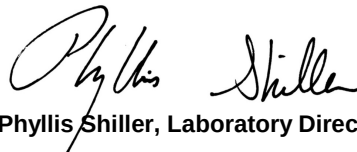
Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:

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

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

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



Phyllis Shiller, Laboratory Director

November 12, 2024

Reviewed and Released by: Phyllis Shiller, Laboratory Director



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



Analysis Report

November 12, 2024

FOR: Attn: Rich Galli
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: SOIL
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date Time
10/30/24 11:10
10/30/24 17:01

Laboratory Data

SDG ID: GCR96654
Phoenix ID: CR96666

Project ID: INSIRPATION WHARF
Client ID: SB-5 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.77	0.77	mg/Kg	1	10/31/24	CPP	SW6010D
Aluminum	6910	5.8	mg/Kg	1	10/31/24	CPP	SW6010D
Arsenic	7.77	0.77	mg/Kg	1	10/31/24	CPP	SW6010D
Barium	98.4	0.39	mg/Kg	1	10/31/24	CPP	SW6010D
Beryllium	0.36	0.31	mg/Kg	1	10/31/24	CPP	SW6010D
Calcium	20900	58	mg/Kg	10	10/31/24	CPP	SW6010D
Cadmium	0.91	0.39	mg/Kg	1	10/31/24	CPP	SW6010D
Cobalt	5.11	0.39	mg/Kg	1	10/31/24	CPP	SW6010D
Chromium	27.2	0.39	mg/Kg	1	10/31/24	CPP	SW6010D
Copper	222	0.8	mg/kg	1	10/31/24	CPP	SW6010D
Iron	16000	58	mg/Kg	10	10/31/24	CPP	SW6010D
Mercury	0.34	0.03	mg/Kg	2	10/31/24	AL1	SW7471B
Potassium	1100	58	mg/Kg	10	10/31/24	CPP	SW6010D
Magnesium	2950	5.8	mg/Kg	1	10/31/24	CPP	SW6010D
Manganese	238	0.39	mg/Kg	1	10/31/24	CPP	SW6010D
Sodium	1430	5.8	mg/Kg	1	10/31/24	CPP	SW6010D
Nickel	15.1	0.39	mg/Kg	1	10/31/24	CPP	SW6010D
Lead	3980	0.39	mg/Kg	1	10/31/24	CPP	SW6010D
Antimony	4.9	3.9	mg/Kg	1	10/31/24	CPP	SW6010D
Selenium	< 1.5	1.5	mg/Kg	1	10/31/24	CPP	SW6010D
TCLP Silver	< 0.050	0.050	mg/L	1	10/31/24	CPP	SW846 1311/6010
TCLP Arsenic	< 0.020	0.020	mg/L	1	10/31/24	CPP	SW846 1311/6010
TCLP Barium	0.32	0.10	mg/L	1	10/31/24	CPP	SW846 1311/6010
TCLP Cadmium	< 0.0050	0.0050	mg/L	1	10/31/24	CPP	SW846 1311/6010
TCLP Chromium	< 0.050	0.050	mg/L	1	10/31/24	CPP	SW846 1311/6010
TCLP Mercury	< 0.0002	0.0002	mg/L	1	10/31/24	AL1	SW846 1311/7470
TCLP Lead	19.9	0.020	mg/L	1	10/31/24	CPP	SW846 1311/6010
TCLP Selenium	< 0.010	0.010	mg/L	1	10/31/24	CPP	SW846 1311/6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Thallium	< 3.5	3.5	mg/Kg	1	10/31/24	CPP	SW6010D
TCLP Metals Digestion	Completed				10/31/24	AK/GW/AK	SW3010A
Vanadium	25.2	0.39	mg/Kg	1	10/31/24	CPP	SW6010D
Zinc	239	0.8	mg/Kg	1	10/31/24	CPP	SW6010D
Percent Solid	84		%		10/30/24	CV	SW846-%Solid
Corrosivity	Negative		Pos/Neg	1	10/30/24	MW	SW846-Corr
Flash Point	>200	200	Degree F	1	11/04/24	G	SW1010B
Chromium, Hex. (SW3060A digestion)	< 0.43	0.43	mg/Kg	1	10/31/24	NP	SW7196A
Ignitability	Passed	140	degree F	1	11/04/24	G	SW846-Ignit
pH at 25C - Soil	7.32	1.00	pH Units	1	10/30/24 22:12	MW	SW846 9045D
Reactivity Cyanide	< 6	6	mg/Kg	1	11/04/24	E/N/G	SW846 7.3.3.1/90
Reactivity Sulfide	< 20	20	mg/Kg	1	11/04/24	NP/GD	SW846 CH7
Reactivity	Negative		Pos/Neg	1	11/04/24	NP/GD	SW846-React
Redox Potential	297		mV	1	10/30/24	MW	SM2580B-09
Mercury Digestion	Completed				10/31/24	AC1/AC1	SW7471B
Extraction of NY ETPH	Completed				10/30/24	R/X/X	SW3546
Soil Extraction for Herbicide	Completed				11/01/24	X/A/D	SW3546
Soil Extraction for PCB	Completed				11/01/24	GW/GW	SW3546
Soil Extraction for Pesticides	Completed				11/01/24	GW/GW	SW3546
Soil Extraction for SVOA	Completed				11/01/24	H/U	SW3546
Paint Filter Test	Passed		PASS/FAIL		10/30/24	O	SW9095B
TCLP Digestion Mercury	Completed				10/31/24	AK/GW/AK	SW7470A
TCLP Extraction for Metals	Completed				10/30/24	AK	SW1311
Total Metals Digest	Completed				10/30/24	J/AG	SW3050B

Gasoline Range Hydrocarbons (C6-C10)

GRO (C6-C10)	ND	L 6.8	mg/Kg	50	11/04/24	V	SW8015D GRO

QA/QC Surrogates

% 2,5-Dibromotoluene (FID)	100		%	50	11/04/24	V	70 - 130 %

Chlorinated Herbicides

2,4,5-T	ND	150	ug/Kg	10	11/04/24	JRB	SW8151A
2,4,5-TP (Silvex)	ND	150	ug/Kg	10	11/04/24	JRB	SW8151A
2,4-D	ND	290	ug/Kg	10	11/04/24	JRB	SW8151A
2,4-DB	ND	2900	ug/Kg	10	11/04/24	JRB	SW8151A
Dalapon	ND	150	ug/Kg	10	11/04/24	JRB	SW8151A
Dicamba	ND	150	ug/Kg	10	11/04/24	JRB	SW8151A
Dichloroprop	ND	290	ug/Kg	10	11/04/24	JRB	SW8151A
Dinoseb	ND	290	ug/Kg	10	11/04/24	JRB	SW8151A

QA/QC Surrogates

% DCAA	99		%	10	11/04/24	JRB	30 - 150 %
% DCAA (Confirmation)	110		%	10	11/04/24	JRB	30 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	78	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1221	ND	78	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1232	ND	78	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1242	ND	78	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1248	ND	78	ug/Kg	2	11/05/24	SC	SW8082A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1254	ND	78	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1260	ND	78	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1262	ND	78	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1268	ND	78	ug/Kg	2	11/05/24	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	68		%	2	11/05/24	SC	30 - 150 %
% DCBP (Confirmation)	62		%	2	11/05/24	SC	30 - 150 %
% TCMX	70		%	2	11/05/24	SC	30 - 150 %
% TCMX (Confirmation)	66		%	2	11/05/24	SC	30 - 150 %
<u>Pesticides - Soil</u>							
4,4' -DDD	ND	2.3	ug/Kg	2	11/04/24	AW	SW8081B
4,4' -DDE	ND	2.3	ug/Kg	2	11/04/24	AW	SW8081B
4,4' -DDT	ND	2.3	ug/Kg	2	11/04/24	AW	SW8081B
a-BHC	ND	7.8	ug/Kg	2	11/04/24	AW	SW8081B
a-Chlordane	ND	3.9	ug/Kg	2	11/04/24	AW	SW8081B
Aldrin	ND	3.9	ug/Kg	2	11/04/24	AW	SW8081B
b-BHC	ND	7.8	ug/Kg	2	11/04/24	AW	SW8081B
Chlordane	ND	39	ug/Kg	2	11/04/24	AW	SW8081B
d-BHC	ND	7.8	ug/Kg	2	11/04/24	AW	SW8081B
Dieldrin	ND	3.9	ug/Kg	2	11/04/24	AW	SW8081B
Endosulfan I	ND	7.8	ug/Kg	2	11/04/24	AW	SW8081B
Endosulfan II	ND	7.8	ug/Kg	2	11/04/24	AW	SW8081B
Endosulfan sulfate	ND	7.8	ug/Kg	2	11/04/24	AW	SW8081B
Endrin	ND	7.8	ug/Kg	2	11/04/24	AW	SW8081B
Endrin aldehyde	ND	7.8	ug/Kg	2	11/04/24	AW	SW8081B
Endrin ketone	ND	7.8	ug/Kg	2	11/04/24	AW	SW8081B
g-BHC	ND	1.6	ug/Kg	2	11/04/24	AW	SW8081B
g-Chlordane	ND	3.9	ug/Kg	2	11/04/24	AW	SW8081B
Heptachlor	ND	7.8	ug/Kg	2	11/04/24	AW	SW8081B
Heptachlor epoxide	ND	7.8	ug/Kg	2	11/04/24	AW	SW8081B
Methoxychlor	ND	39	ug/Kg	2	11/04/24	AW	SW8081B
Toxaphene	ND	160	ug/Kg	2	11/04/24	AW	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	59		%	2	11/04/24	AW	30 - 150 %
% DCBP (Confirmation)	31		%	2	11/04/24	AW	30 - 150 %
% TCMX	55		%	2	11/04/24	AW	30 - 150 %
% TCMX (Confirmation)	45		%	2	11/04/24	AW	30 - 150 %
<u>TPH DRO (C10-C28)</u>							
Diesel Range Organics (C10-C28)	ND	290	mg/Kg	5	11/01/24	JRB	SW8015D DRO
<u>QA/QC Surrogates</u>							
% COD (surr)	57		%	5	11/01/24	JRB	50 - 150 %
% Terphenyl (surr)	89		%	5	11/01/24	JRB	50 - 150 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
1,2,4-Trichlorobenzene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
1,2-Dichlorobenzene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
1,2-Diphenylhydrazine	ND	390	ug/Kg	1	11/02/24	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,3-Dichlorobenzene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
1,4-Dichlorobenzene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
2,4,5-Trichlorophenol	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
2,4,6-Trichlorophenol	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
2,4-Dichlorophenol	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
2,4-Dimethylphenol	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
2,4-Dinitrophenol	ND	390	ug/Kg	1	11/02/24	MR	SW8270E
2,4-Dinitrotoluene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
2,6-Dinitrotoluene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
2-Chloronaphthalene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
2-Chlorophenol	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
2-Methylnaphthalene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
2-Methylphenol (o-cresol)	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
2-Nitroaniline	ND	390	ug/Kg	1	11/02/24	MR	SW8270E
2-Nitrophenol	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	1	11/02/24	MR	SW8270E
3,3'-Dichlorobenzidine	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
3-Nitroaniline	ND	390	ug/Kg	1	11/02/24	MR	SW8270E
4,6-Dinitro-2-methylphenol	ND	390	ug/Kg	1	11/02/24	MR	SW8270E
4-Bromophenyl phenyl ether	ND	390	ug/Kg	1	11/02/24	MR	SW8270E
4-Chloro-3-methylphenol	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
4-Chloroaniline	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
4-Nitroaniline	ND	620	ug/Kg	1	11/02/24	MR	SW8270E
4-Nitrophenol	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Acenaphthene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Acenaphthylene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Acetophenone	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Aniline	ND	390	ug/Kg	1	11/02/24	MR	SW8270E
Anthracene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Benz(a)anthracene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Benzidine	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Benzo(a)pyrene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Benzo(b)fluoranthene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Benzo(ghi)perylene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Benzo(k)fluoranthene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Benzoic acid	ND	770	ug/Kg	1	11/02/24	MR	SW8270E
Benzyl butyl phthalate	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Bis(2-chloroethyl)ether	ND	390	ug/Kg	1	11/02/24	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	390	ug/Kg	1	11/02/24	MR	SW8270E
Carbazole	ND	390	ug/Kg	1	11/02/24	MR	SW8270E
Chrysene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Dibenzofuran	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Diethyl phthalate	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Dimethylphthalate	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Di-n-butylphthalate	ND	390	ug/Kg	1	11/02/24	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Di-n-octylphthalate	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Fluoranthene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Fluorene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Hexachlorobenzene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Hexachlorobutadiene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Hexachlorocyclopentadiene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Hexachloroethane	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Isophorone	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Naphthalene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Nitrobenzene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
N-Nitrosodimethylamine	ND	390	ug/Kg	1	11/02/24	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
N-Nitrosodiphenylamine	ND	390	ug/Kg	1	11/02/24	MR	SW8270E
Pentachloronitrobenzene	ND	390	ug/Kg	1	11/02/24	MR	SW8270E
Pentachlorophenol	ND	390	ug/Kg	1	11/02/24	MR	SW8270E
Phenanthrene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Phenol	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Pyrene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Pyridine	ND	390	ug/Kg	1	11/02/24	MR	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	69		%	1	11/02/24	MR	30 - 130 %
% 2-Fluorobiphenyl	58		%	1	11/02/24	MR	30 - 130 %
% 2-Fluorophenol	54		%	1	11/02/24	MR	30 - 130 %
% Nitrobenzene-d5	59		%	1	11/02/24	MR	30 - 130 %
% Phenol-d5	53		%	1	11/02/24	MR	30 - 130 %
% Terphenyl-d14	57		%	1	11/02/24	MR	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 (preceded 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.

The TPH (C10-C28) is quantitated using an alkane 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.

Hexavalent Chromium:

This sample is in a reducing state.

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.

Semi-Volatile Comment:

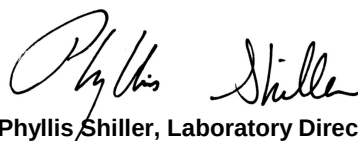
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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.

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

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



Phyllis Shiller, Laboratory Director

November 12, 2024

Reviewed and Released by: Phyllis Shiller, Laboratory Director



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



Analysis Report

November 12, 2024

FOR: Attn: Rich Galli
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: SOIL
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date Time
10/30/24 12:00
10/30/24 17:01

Laboratory Data

SDG ID: GCR96654
Phoenix ID: CR96667

Project ID: INSIRPATION WHARF
Client ID: SB-4 GRAB (9.5-10`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Field Extraction	Completed				10/30/24		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,1-Trichloroethane	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	380	ug/Kg	50	11/02/24	JLI	SW8260D
1,1,2-Trichloroethane	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloroethane	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloroethene	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloropropene	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	380	ug/Kg	50	11/02/24	JLI	SW8260D
1,2,3-Trichloropropane	ND	380	ug/Kg	50	11/02/24	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	380	ug/Kg	50	11/02/24	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	380	ug/Kg	50	11/02/24	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	380	ug/Kg	50	11/02/24	JLI	SW8260D
1,2-Dibromoethane	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichlorobenzene	ND	380	ug/Kg	50	11/02/24	JLI	SW8260D
1,2-Dichloroethane	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichloropropane	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	380	ug/Kg	50	11/02/24	JLI	SW8260D
1,3-Dichlorobenzene	ND	380	ug/Kg	50	11/02/24	JLI	SW8260D
1,3-Dichloropropane	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
1,4-Dichlorobenzene	ND	380	ug/Kg	50	11/02/24	JLI	SW8260D
2,2-Dichloropropane	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
2-Chlorotoluene	ND	380	ug/Kg	50	11/02/24	JLI	SW8260D
2-Hexanone	ND	25	ug/Kg	1	11/02/24	JLI	SW8260D
2-Isopropyltoluene	ND	380	ug/Kg	50	11/02/24	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	380	ug/Kg	50	11/02/24	JLI	SW8260D
4-Methyl-2-pentanone	ND	25	ug/Kg	1	11/02/24	JLI	SW8260D
Acetone	ND	25	ug/Kg	1	11/02/24	JLI	SW8260D
Acrylonitrile	ND	9.8	ug/Kg	1	11/02/24	JLI	SW8260D
Benzene	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
Bromobenzene	ND	380	ug/Kg	50	11/02/24	JLI	SW8260D
Bromochloromethane	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
Bromodichloromethane	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
Bromoform	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
Bromomethane	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
Carbon Disulfide	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
Carbon tetrachloride	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
Chlorobenzene	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
Chloroethane	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
Chloroform	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
Chloromethane	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
cis-1,2-Dichloroethene	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
cis-1,3-Dichloropropene	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
Dibromochloromethane	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
Dibromomethane	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
Dichlorodifluoromethane	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
Ethylbenzene	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
Hexachlorobutadiene	ND	380	ug/Kg	50	11/02/24	JLI	SW8260D
Isopropylbenzene	ND	380	ug/Kg	50	11/02/24	JLI	SW8260D
m&p-Xylene	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
Methyl Ethyl Ketone	ND	25	ug/Kg	1	11/02/24	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	9.8	ug/Kg	1	11/02/24	JLI	SW8260D
Methylene chloride	ND	9.8	ug/Kg	1	11/02/24	JLI	SW8260D
Naphthalene	ND	380	ug/Kg	50	11/02/24	JLI	SW8260D
n-Butylbenzene	ND	380	ug/Kg	50	11/02/24	JLI	SW8260D
n-Propylbenzene	ND	380	ug/Kg	50	11/02/24	JLI	SW8260D
o-Xylene	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
p-Isopropyltoluene	ND	380	ug/Kg	50	11/02/24	JLI	SW8260D
sec-Butylbenzene	ND	380	ug/Kg	50	11/02/24	JLI	SW8260D
Styrene	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
tert-Butylbenzene	ND	380	ug/Kg	50	11/02/24	JLI	SW8260D
Tetrachloroethene	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
Tetrahydrofuran (THF)	ND	9.8	ug/Kg	1	11/02/24	JLI	SW8260D
Toluene	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
Total Xylenes	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,2-Dichloroethene	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,3-Dichloropropene	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	760	ug/Kg	50	11/02/24	JLI	SW8260D
Trichloroethene	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
Trichlorofluoromethane	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
Trichlorotrifluoroethane	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
Vinyl chloride	ND	4.9	ug/Kg	1	11/02/24	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	111		%	1	11/02/24	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
% Bromofluorobenzene	66		%	1	11/02/24	JLI	70 - 130 %	3
% Dibromofluoromethane	115		%	1	11/02/24	JLI	70 - 130 %	
% Toluene-d8	100		%	1	11/02/24	JLI	70 - 130 %	
% 1,2-dichlorobenzene-d4 (50x)	100		%	50	11/02/24	JLI	70 - 130 %	
% Bromofluorobenzene (50x)	106		%	50	11/02/24	JLI	70 - 130 %	
% Dibromofluoromethane (50x)	95		%	50	11/02/24	JLI	70 - 130 %	
% Toluene-d8 (50x)	110		%	50	11/02/24	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.

3 = This parameter exceeds laboratory specified limits.

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

QA/QC Surrogates: Surrogates are compounds (preceded 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:

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

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

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



Phyllis Shiller, Laboratory Director

November 12, 2024

Reviewed and Released by: Phyllis Shiller, Laboratory Director



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



Analysis Report

November 12, 2024

FOR: Attn: Rich Galli
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: SOIL
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date	Time
10/30/24	12:10
10/30/24	17:01

Laboratory Data

SDG ID: GCR96654
Phoenix ID: CR96668

Project ID: INSIRPATION WHARF
Client ID: SB-4 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.35	0.35	mg/Kg	1	10/31/24	CPP	SW6010D
Aluminum	8920	53	mg/Kg	10	10/31/24	CPP	SW6010D
Arsenic	4.63	0.71	mg/Kg	1	10/31/24	CPP	SW6010D
Barium	85.0	0.35	mg/Kg	1	10/31/24	CPP	SW6010D
Beryllium	0.36	0.28	mg/Kg	1	10/31/24	CPP	SW6010D
Calcium	14400	53	mg/Kg	10	10/31/24	CPP	SW6010D
Cadmium	0.44	0.35	mg/Kg	1	10/31/24	CPP	SW6010D
Cobalt	8.47	0.35	mg/Kg	1	10/31/24	CPP	SW6010D
Chromium	19.1	0.35	mg/Kg	1	10/31/24	CPP	SW6010D
Copper	91.9	0.7	mg/kg	1	10/31/24	CPP	SW6010D
Iron	18800	53	mg/Kg	10	10/31/24	CPP	SW6010D
Mercury	0.42	0.03	mg/Kg	2	10/31/24	AL1	SW7471B
Potassium	1530	53	mg/Kg	10	10/31/24	CPP	SW6010D
Magnesium	3430	5.3	mg/Kg	1	10/31/24	CPP	SW6010D
Manganese	353	0.35	mg/Kg	1	10/31/24	CPP	SW6010D
Sodium	1260	5.3	mg/Kg	1	10/31/24	CPP	SW6010D
Nickel	15.9	0.35	mg/Kg	1	10/31/24	CPP	SW6010D
Lead	241	0.35	mg/Kg	1	10/31/24	CPP	SW6010D
Antimony	< 3.5	3.5	mg/Kg	1	10/31/24	CPP	SW6010D
Selenium	< 1.4	1.4	mg/Kg	1	10/31/24	CPP	SW6010D
TCLP Silver	< 0.050	0.050	mg/L	1	10/31/24	CPP	SW846 1311/6010
TCLP Arsenic	< 0.020	0.020	mg/L	1	10/31/24	CPP	SW846 1311/6010
TCLP Barium	0.56	0.10	mg/L	1	10/31/24	CPP	SW846 1311/6010
TCLP Cadmium	< 0.0050	0.0050	mg/L	1	10/31/24	CPP	SW846 1311/6010
TCLP Chromium	< 0.050	0.050	mg/L	1	10/31/24	CPP	SW846 1311/6010
TCLP Mercury	< 0.0002	0.0002	mg/L	1	10/31/24	AL1	SW846 1311/7470
TCLP Lead	0.15	0.020	mg/L	1	10/31/24	CPP	SW846 1311/6010
TCLP Selenium	< 0.010	0.010	mg/L	1	10/31/24	CPP	SW846 1311/6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Thallium	< 3.2	3.2	mg/Kg	1	10/31/24	CPP	SW6010D
TCLP Metals Digestion	Completed				10/31/24	AK/GW/AK	SW3010A
Vanadium	53.9	0.35	mg/Kg	1	10/31/24	CPP	SW6010D
Zinc	119	0.7	mg/Kg	1	10/31/24	CPP	SW6010D
Percent Solid	86		%		10/30/24	CV	SW846-%Solid
Corrosivity	Negative		Pos/Neg	1	10/30/24	MW	SW846-Corr
Flash Point	>200	200	Degree F	1	11/04/24	G	SW1010B
Chromium, Hex. (SW3060A digestion)	< 0.46	0.46	mg/Kg	1	10/31/24	NP	SW7196A
Ignitability	Passed	140	degree F	1	11/04/24	G	SW846-Ignit
pH at 25C - Soil	7.59	1.00	pH Units	1	10/30/24 22:12	MW	SW846 9045D
Reactivity Cyanide	< 6	6	mg/Kg	1	11/04/24	E/N/G	SW846 7.3.3.1/90
Reactivity Sulfide	< 20	20	mg/Kg	1	11/04/24	NP/GD	SW846 CH7
Reactivity	Negative		Pos/Neg	1	11/04/24	NP/GD	SW846-React
Redox Potential	267		mV	1	10/30/24	MW	SM2580B-09
Mercury Digestion	Completed				10/31/24	AC1/AC1	SW7471B
Extraction of NY ETPH	Completed				10/30/24	R/X/X	SW3546
Soil Extraction for Herbicide	Completed				11/01/24	X/A/D	SW3546
Soil Extraction for PCB	Completed				11/01/24	GW/GW	SW3546
Soil Extraction for Pesticides	Completed				11/01/24	GW/GW	SW3546
Soil Extraction for SVOA	Completed				11/01/24	H/U	SW3546
Paint Filter Test	Passed		PASS/FAIL		10/30/24	O	SW9095B
TCLP Digestion Mercury	Completed				10/31/24	AK/GW/AK	SW7470A
TCLP Extraction for Metals	Completed				10/30/24	AK	SW1311
Total Metals Digest	Completed				10/30/24	J/AG	SW3050B

Gasoline Range Hydrocarbons (C6-C10)

GRO (C6-C10)	ND	L 6.5	mg/Kg	50	11/04/24	V	SW8015D GRO

QA/QC Surrogates

% 2,5-Dibromotoluene (FID)	101		%	50	11/04/24	V	70 - 130 %

Chlorinated Herbicides

2,4,5-T	ND	140	ug/Kg	10	11/04/24	JRB	SW8151A
2,4,5-TP (Silvex)	ND	140	ug/Kg	10	11/04/24	JRB	SW8151A
2,4-D	ND	280	ug/Kg	10	11/04/24	JRB	SW8151A
2,4-DB	ND	2800	ug/Kg	10	11/04/24	JRB	SW8151A
Dalapon	ND	140	ug/Kg	10	11/04/24	JRB	SW8151A
Dicamba	ND	140	ug/Kg	10	11/04/24	JRB	SW8151A
Dichloroprop	ND	280	ug/Kg	10	11/04/24	JRB	SW8151A
Dinoseb	ND	280	ug/Kg	10	11/04/24	JRB	SW8151A

QA/QC Surrogates

% DCAA	105		%	10	11/04/24	JRB	30 - 150 %
% DCAA (Confirmation)	117		%	10	11/04/24	JRB	30 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	77	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1221	ND	77	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1232	ND	77	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1242	ND	77	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1248	ND	77	ug/Kg	2	11/05/24	SC	SW8082A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1254	120	77	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1260	ND	77	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1262	ND	77	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1268	ND	77	ug/Kg	2	11/05/24	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	69		%	2	11/05/24	SC	30 - 150 %
% DCBP (Confirmation)	62		%	2	11/05/24	SC	30 - 150 %
% TCMX	76		%	2	11/05/24	SC	30 - 150 %
% TCMX (Confirmation)	71		%	2	11/05/24	SC	30 - 150 %
<u>Pesticides - Soil</u>							
4,4' -DDD	9.4	2.3	ug/Kg	2	11/04/24	AW	SW8081B
4,4' -DDE	ND	2.3	ug/Kg	2	11/04/24	AW	SW8081B
4,4' -DDT	6.8	2.3	ug/Kg	2	11/04/24	AW	SW8081B
a-BHC	ND	7.7	ug/Kg	2	11/04/24	AW	SW8081B
a-Chlordane	11	3.8	ug/Kg	2	11/04/24	AW	SW8081B
Aldrin	ND	3.8	ug/Kg	2	11/04/24	AW	SW8081B
b-BHC	ND	7.7	ug/Kg	2	11/04/24	AW	SW8081B
Chlordane	56	38	ug/Kg	2	11/04/24	AW	SW8081B
d-BHC	ND	7.7	ug/Kg	2	11/04/24	AW	SW8081B
Dieldrin	ND	3.8	ug/Kg	2	11/04/24	AW	SW8081B
Endosulfan I	ND	7.7	ug/Kg	2	11/04/24	AW	SW8081B
Endosulfan II	ND	7.7	ug/Kg	2	11/04/24	AW	SW8081B
Endosulfan sulfate	ND	7.7	ug/Kg	2	11/04/24	AW	SW8081B
Endrin	ND	7.7	ug/Kg	2	11/04/24	AW	SW8081B
Endrin aldehyde	ND	7.7	ug/Kg	2	11/04/24	AW	SW8081B
Endrin ketone	ND	7.7	ug/Kg	2	11/04/24	AW	SW8081B
g-BHC	ND	2.0	ug/Kg	2	11/04/24	AW	SW8081B
g-Chlordane	19	3.8	ug/Kg	2	11/04/24	AW	SW8081B
Heptachlor	ND	7.7	ug/Kg	2	11/04/24	AW	SW8081B
Heptachlor epoxide	ND	7.7	ug/Kg	2	11/04/24	AW	SW8081B
Methoxychlor	ND	38	ug/Kg	2	11/04/24	AW	SW8081B
Toxaphene	ND	150	ug/Kg	2	11/04/24	AW	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	64		%	2	11/04/24	AW	30 - 150 %
% DCBP (Confirmation)	39		%	2	11/04/24	AW	30 - 150 %
% TCMX	60		%	2	11/04/24	AW	30 - 150 %
% TCMX (Confirmation)	52		%	2	11/04/24	AW	30 - 150 %
<u>TPH DRO (C10-C28)</u>							
Diesel Range Organics (C10-C28)	ND	280	mg/Kg	5	11/01/24	JRB	SW8015D DRO
<u>QA/QC Surrogates</u>							
% COD (surr)	37		%	5	11/01/24	JRB	50 - 150 %
% Terphenyl (surr)	89		%	5	11/01/24	JRB	50 - 150 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
1,2,4-Trichlorobenzene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
1,2-Dichlorobenzene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
1,2-Diphenylhydrazine	ND	380	ug/Kg	1	11/02/24	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,3-Dichlorobenzene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
1,4-Dichlorobenzene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
2,4,5-Trichlorophenol	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
2,4,6-Trichlorophenol	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
2,4-Dichlorophenol	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
2,4-Dimethylphenol	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
2,4-Dinitrophenol	ND	380	ug/Kg	1	11/02/24	MR	SW8270E
2,4-Dinitrotoluene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
2,6-Dinitrotoluene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
2-Chloronaphthalene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
2-Chlorophenol	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
2-Methylnaphthalene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
2-Methylphenol (o-cresol)	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
2-Nitroaniline	ND	380	ug/Kg	1	11/02/24	MR	SW8270E
2-Nitrophenol	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	1	11/02/24	MR	SW8270E
3,3'-Dichlorobenzidine	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
3-Nitroaniline	ND	380	ug/Kg	1	11/02/24	MR	SW8270E
4,6-Dinitro-2-methylphenol	ND	380	ug/Kg	1	11/02/24	MR	SW8270E
4-Bromophenyl phenyl ether	ND	380	ug/Kg	1	11/02/24	MR	SW8270E
4-Chloro-3-methylphenol	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
4-Chloroaniline	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
4-Nitroaniline	ND	610	ug/Kg	1	11/02/24	MR	SW8270E
4-Nitrophenol	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Acenaphthene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Acenaphthylene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Acetophenone	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Aniline	ND	380	ug/Kg	1	11/02/24	MR	SW8270E
Anthracene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Benz(a)anthracene	300	270	ug/Kg	1	11/02/24	MR	SW8270E
Benzidine	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Benzo(a)pyrene	300	270	ug/Kg	1	11/02/24	MR	SW8270E
Benzo(b)fluoranthene	460	270	ug/Kg	1	11/02/24	MR	SW8270E
Benzo(ghi)perylene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Benzo(k)fluoranthene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Benzoic acid	ND	770	ug/Kg	1	11/02/24	MR	SW8270E
Benzyl butyl phthalate	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Bis(2-chloroethyl)ether	ND	380	ug/Kg	1	11/02/24	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	380	ug/Kg	1	11/02/24	MR	SW8270E
Carbazole	ND	380	ug/Kg	1	11/02/24	MR	SW8270E
Chrysene	340	270	ug/Kg	1	11/02/24	MR	SW8270E
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Dibenzofuran	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Diethyl phthalate	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Dimethylphthalate	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Di-n-butylphthalate	ND	380	ug/Kg	1	11/02/24	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Di-n-octylphthalate	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Fluoranthene	610	270	ug/Kg	1	11/02/24	MR	SW8270E
Fluorene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Hexachlorobenzene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Hexachlorobutadiene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Hexachlorocyclopentadiene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Hexachloroethane	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Isophorone	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Naphthalene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Nitrobenzene	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
N-Nitrosodimethylamine	ND	380	ug/Kg	1	11/02/24	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
N-Nitrosodiphenylamine	ND	380	ug/Kg	1	11/02/24	MR	SW8270E
Pentachloronitrobenzene	ND	380	ug/Kg	1	11/02/24	MR	SW8270E
Pentachlorophenol	ND	380	ug/Kg	1	11/02/24	MR	SW8270E
Phenanthrene	340	270	ug/Kg	1	11/02/24	MR	SW8270E
Phenol	ND	270	ug/Kg	1	11/02/24	MR	SW8270E
Pyrene	460	270	ug/Kg	1	11/02/24	MR	SW8270E
Pyridine	ND	380	ug/Kg	1	11/02/24	MR	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	56		%	1	11/02/24	MR	30 - 130 %
% 2-Fluorobiphenyl	47		%	1	11/02/24	MR	30 - 130 %
% 2-Fluorophenol	38		%	1	11/02/24	MR	30 - 130 %
% Nitrobenzene-d5	47		%	1	11/02/24	MR	30 - 130 %
% Phenol-d5	42		%	1	11/02/24	MR	30 - 130 %
% Terphenyl-d14	37		%	1	11/02/24	MR	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.

3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL

BRL=Below Reporting Level L=Biased Low

QA/QC Surrogates: Surrogates are compounds (preceded 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.

The TPH (C10-C28) is quantitated using an alkane 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.

Hexavalent Chromium:

This sample is in a reducing state.

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.

Semi-Volatile Comment:

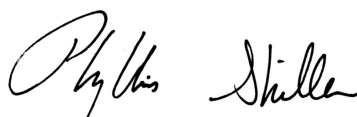
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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.

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

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



Phyllis Shiller, Laboratory Director

November 12, 2024

Reviewed and Released by: Phyllis Shiller, Laboratory Director



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



Analysis Report

November 12, 2024

FOR: Attn: Rich Galli
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: SOIL
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date	Time
10/30/24	12:15
10/30/24	17:01

Laboratory Data

SDG ID: GCR96654
Phoenix ID: CR96669

Project ID: INSIRPATION WHARF
Client ID: SB-9 GRAB (9.5-10`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Field Extraction	Completed				10/30/24		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,1-Trichloroethane	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,2-Trichloroethane	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloroethane	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloroethene	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloropropene	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,3-Trichloropropane	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dibromoethane	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichlorobenzene	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichloroethane	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichloropropane	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,3-Dichlorobenzene	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,3-Dichloropropane	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,4-Dichlorobenzene	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
2,2-Dichloropropane	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
2-Chlorotoluene	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
2-Hexanone	ND	35	ug/Kg	1	11/02/24	JLI	SW8260D
2-Isopropyltoluene	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
4-Methyl-2-pentanone	ND	35	ug/Kg	1	11/02/24	JLI	SW8260D
Acetone	100	S 35	ug/Kg	1	11/02/24	JLI	SW8260D
Acrylonitrile	ND	14	ug/Kg	1	11/02/24	JLI	SW8260D
Benzene	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
Bromobenzene	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
Bromochloromethane	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
Bromodichloromethane	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
Bromoform	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
Bromomethane	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
Carbon Disulfide	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
Carbon tetrachloride	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
Chlorobenzene	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
Chloroethane	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
Chloroform	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
Chloromethane	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
cis-1,2-Dichloroethene	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
cis-1,3-Dichloropropene	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
Dibromochloromethane	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
Dibromomethane	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
Dichlorodifluoromethane	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
Ethylbenzene	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
Hexachlorobutadiene	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
Isopropylbenzene	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
m&p-Xylene	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
Methyl Ethyl Ketone	ND	35	ug/Kg	1	11/02/24	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	14	ug/Kg	1	11/02/24	JLI	SW8260D
Methylene chloride	ND	14	ug/Kg	1	11/02/24	JLI	SW8260D
Naphthalene	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
n-Butylbenzene	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
n-Propylbenzene	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
o-Xylene	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
p-Isopropyltoluene	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
sec-Butylbenzene	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
Styrene	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
tert-Butylbenzene	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
Tetrachloroethene	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
Tetrahydrofuran (THF)	ND	14	ug/Kg	1	11/02/24	JLI	SW8260D
Toluene	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
Total Xylenes	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,2-Dichloroethene	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,3-Dichloropropene	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	14	ug/Kg	1	11/02/24	JLI	SW8260D
Trichloroethene	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
Trichlorofluoromethane	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
Trichlorotrifluoroethane	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
Vinyl chloride	ND	7.0	ug/Kg	1	11/02/24	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	97		%	1	11/02/24	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	96		%	1	11/02/24	JLI	70 - 130 %
% Dibromofluoromethane	94		%	1	11/02/24	JLI	70 - 130 %
% Toluene-d8	107		%	1	11/02/24	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 (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

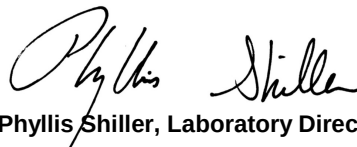
Comments:

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

November 12, 2024

Reviewed and Released by: Phyllis Shiller, Laboratory Director



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



Analysis Report

November 12, 2024

FOR: Attn: Rich Galli
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: SOIL
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date	Time
10/30/24	12:20
10/30/24	17:01

Laboratory Data

SDG ID: GCR96654
Phoenix ID: CR96670

Project ID: INSIRPATION WHARF
Client ID: SB-9 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.35	0.35	mg/Kg	1	10/31/24	CPP	SW6010D
Aluminum	10100	52	mg/Kg	10	10/31/24	CPP	SW6010D
Arsenic	2.90	0.70	mg/Kg	1	10/31/24	CPP	SW6010D
Barium	66.3	0.35	mg/Kg	1	10/31/24	CPP	SW6010D
Beryllium	0.48	0.28	mg/Kg	1	10/31/24	CPP	SW6010D
Calcium	3900	5.2	mg/Kg	1	10/31/24	CPP	SW6010D
Cadmium	< 0.35	0.35	mg/Kg	1	10/31/24	CPP	SW6010D
Cobalt	5.94	0.35	mg/Kg	1	10/31/24	CPP	SW6010D
Chromium	16.7	0.35	mg/Kg	1	10/31/24	CPP	SW6010D
Copper	38.7	0.7	mg/kg	1	10/31/24	CPP	SW6010D
Iron	20200	52	mg/Kg	10	10/31/24	CPP	SW6010D
Mercury	0.07	0.03	mg/Kg	2	10/31/24	AL1	SW7471B
Potassium	832	52	mg/Kg	10	10/31/24	CPP	SW6010D
Magnesium	2190	5.2	mg/Kg	1	10/31/24	CPP	SW6010D
Manganese	285	0.35	mg/Kg	1	10/31/24	CPP	SW6010D
Sodium	319	5.2	mg/Kg	1	10/31/24	CPP	SW6010D
Nickel	13.1	0.35	mg/Kg	1	10/31/24	CPP	SW6010D
Lead	95.7	0.35	mg/Kg	1	10/31/24	CPP	SW6010D
Antimony	< 3.5	3.5	mg/Kg	1	10/31/24	CPP	SW6010D
Selenium	< 1.4	1.4	mg/Kg	1	10/31/24	CPP	SW6010D
TCLP Silver	< 0.050	0.050	mg/L	1	10/31/24	CPP	SW846 1311/6010
TCLP Arsenic	< 0.020	0.020	mg/L	1	10/31/24	CPP	SW846 1311/6010
TCLP Barium	0.45	0.10	mg/L	1	10/31/24	CPP	SW846 1311/6010
TCLP Cadmium	< 0.0050	0.0050	mg/L	1	10/31/24	CPP	SW846 1311/6010
TCLP Chromium	< 0.050	0.050	mg/L	1	10/31/24	CPP	SW846 1311/6010
TCLP Mercury	< 0.0002	0.0002	mg/L	1	10/31/24	AL1	SW846 1311/7470
TCLP Lead	0.078	0.020	mg/L	1	10/31/24	CPP	SW846 1311/6010
TCLP Selenium	< 0.010	0.010	mg/L	1	10/31/24	CPP	SW846 1311/6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Thallium	< 3.1	3.1	mg/Kg	1	10/31/24	CPP	SW6010D
TCLP Metals Digestion	Completed				10/31/24	AK/GW/AK	SW3010A
Vanadium	22.4	0.35	mg/Kg	1	10/31/24	CPP	SW6010D
Zinc	61.4	0.7	mg/Kg	1	10/31/24	CPP	SW6010D
Percent Solid	91		%		10/30/24	CV	SW846-%Solid
Corrosivity	Negative		Pos/Neg	1	10/30/24	MW	SW846-Corr
Flash Point	>200	200	Degree F	1	11/04/24	G	SW1010B
Chromium, Hex. (SW3060A digestion)	< 0.41	0.41	mg/Kg	1	11/01/24	NP	SW7196A
Ignitability	Passed	140	degree F	1	11/04/24	G	SW846-Ignit
pH at 25C - Soil	7.77	1.00	pH Units	1	10/30/24 22:30	MW	SW846 9045D
Reactivity Cyanide	< 5	5	mg/Kg	1	11/04/24	E/N/G	SW846 7.3.3.1/90
Reactivity Sulfide	< 20	20	mg/Kg	1	11/04/24	NP/GD	SW846 CH7
Reactivity	Negative		Pos/Neg	1	11/04/24	NP/GD	SW846-React
Redox Potential	198		mV	1	10/30/24	MW	SM2580B-09
Mercury Digestion	Completed				10/31/24	AC1/AC1	SW7471B
Extraction of NY ETPH	Completed				10/30/24	R/X/X	SW3546
Soil Extraction for Herbicide	Completed				11/04/24	Y/D	SW3546
Soil Extraction for PCB	Completed				11/04/24	AC1/H/U	SW3546
Soil Extraction for Pesticides	Completed				11/04/24	AC1/H/U	SW3546
Soil Extraction for SVOA	Completed				11/01/24	H/U	SW3546
Paint Filter Test	Passed		PASS/FAIL		10/30/24	O	SW9095B
TCLP Digestion Mercury	Completed				10/31/24	AK/GW/AK	SW7470A
TCLP Extraction for Metals	Completed				10/30/24	AK	SW1311
Total Metals Digest	Completed				10/30/24	J/AG	SW3050B

Gasoline Range Hydrocarbons (C6-C10)

GRO (C6-C10)	ND	L 5.9	mg/Kg	50	11/04/24	V	SW8015D GRO

QA/QC Surrogates

% 2,5-Dibromotoluene (FID)	99		%	50	11/04/24	V	70 - 130 %

Chlorinated Herbicides

2,4,5-T	ND	140	ug/Kg	10	11/05/24	JRB	SW8151A
2,4,5-TP (Silvex)	ND	140	ug/Kg	10	11/05/24	JRB	SW8151A
2,4-D	ND	270	ug/Kg	10	11/05/24	JRB	SW8151A
2,4-DB	ND	2700	ug/Kg	10	11/05/24	JRB	SW8151A
Dalapon	ND	140	ug/Kg	10	11/05/24	JRB	SW8151A
Dicamba	ND	140	ug/Kg	10	11/05/24	JRB	SW8151A
Dichloroprop	ND	270	ug/Kg	10	11/05/24	JRB	SW8151A
Dinoseb	ND	270	ug/Kg	10	11/05/24	JRB	SW8151A

QA/QC Surrogates

% DCAA	83		%	10	11/05/24	JRB	30 - 150 %
% DCAA (Confirmation)	97		%	10	11/05/24	JRB	30 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	73	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1221	ND	73	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1232	ND	73	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1242	ND	73	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1248	ND	73	ug/Kg	2	11/05/24	SC	SW8082A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1254	ND	73	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1260	ND	73	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1262	ND	73	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1268	ND	73	ug/Kg	2	11/05/24	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	47		%	2	11/05/24	SC	30 - 150 %
% DCBP (Confirmation)	43		%	2	11/05/24	SC	30 - 150 %
% TCMX	56		%	2	11/05/24	SC	30 - 150 %
% TCMX (Confirmation)	52		%	2	11/05/24	SC	30 - 150 %
<u>Pesticides - Soil</u>							
4,4' -DDD	ND	2.2	ug/Kg	2	11/05/24	KCA	SW8081B
4,4' -DDE	ND	2.2	ug/Kg	2	11/05/24	KCA	SW8081B
4,4' -DDT	ND	2.2	ug/Kg	2	11/05/24	KCA	SW8081B
a-BHC	ND	7.3	ug/Kg	2	11/05/24	KCA	SW8081B
a-Chlordane	ND	3.7	ug/Kg	2	11/05/24	KCA	SW8081B
Aldrin	ND	3.7	ug/Kg	2	11/05/24	KCA	SW8081B
b-BHC	ND	7.3	ug/Kg	2	11/05/24	KCA	SW8081B
Chlordane	ND	37	ug/Kg	2	11/05/24	KCA	SW8081B
d-BHC	ND	7.3	ug/Kg	2	11/05/24	KCA	SW8081B
Dieldrin	ND	3.7	ug/Kg	2	11/05/24	KCA	SW8081B
Endosulfan I	ND	7.3	ug/Kg	2	11/05/24	KCA	SW8081B
Endosulfan II	ND	7.3	ug/Kg	2	11/05/24	KCA	SW8081B
Endosulfan sulfate	ND	7.3	ug/Kg	2	11/05/24	KCA	SW8081B
Endrin	ND	7.3	ug/Kg	2	11/05/24	KCA	SW8081B
Endrin aldehyde	ND	7.3	ug/Kg	2	11/05/24	KCA	SW8081B
Endrin ketone	ND	7.3	ug/Kg	2	11/05/24	KCA	SW8081B
g-BHC	ND	1.5	ug/Kg	2	11/05/24	KCA	SW8081B
g-Chlordane	ND	3.7	ug/Kg	2	11/05/24	KCA	SW8081B
Heptachlor	ND	7.3	ug/Kg	2	11/05/24	KCA	SW8081B
Heptachlor epoxide	ND	7.3	ug/Kg	2	11/05/24	KCA	SW8081B
Methoxychlor	ND	37	ug/Kg	2	11/05/24	KCA	SW8081B
Toxaphene	ND	150	ug/Kg	2	11/05/24	KCA	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	55		%	2	11/05/24	KCA	30 - 150 %
% DCBP (Confirmation)	50		%	2	11/05/24	KCA	30 - 150 %
% TCMX	43		%	2	11/05/24	KCA	30 - 150 %
% TCMX (Confirmation)	45		%	2	11/05/24	KCA	30 - 150 %
<u>TPH DRO (C10-C28)</u>							
Diesel Range Organics (C10-C28)	130	54	mg/Kg	1	10/31/24	JRB	SW8015D DRO
<u>QA/QC Surrogates</u>							
% COD (surr)	88		%	1	10/31/24	JRB	50 - 150 %
% Terphenyl (surr)	88		%	1	10/31/24	JRB	50 - 150 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
1,2,4-Trichlorobenzene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
1,2-Dichlorobenzene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
1,2-Diphenylhydrazine	ND	360	ug/Kg	1	11/02/24	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,3-Dichlorobenzene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
1,4-Dichlorobenzene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
2,4,5-Trichlorophenol	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
2,4,6-Trichlorophenol	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
2,4-Dichlorophenol	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
2,4-Dimethylphenol	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
2,4-Dinitrophenol	ND	360	ug/Kg	1	11/02/24	MR	SW8270E
2,4-Dinitrotoluene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
2,6-Dinitrotoluene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
2-Chloronaphthalene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
2-Chlorophenol	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
2-Methylnaphthalene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
2-Methylphenol (o-cresol)	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
2-Nitroaniline	ND	360	ug/Kg	1	11/02/24	MR	SW8270E
2-Nitrophenol	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	1	11/02/24	MR	SW8270E
3,3'-Dichlorobenzidine	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
3-Nitroaniline	ND	360	ug/Kg	1	11/02/24	MR	SW8270E
4,6-Dinitro-2-methylphenol	ND	360	ug/Kg	1	11/02/24	MR	SW8270E
4-Bromophenyl phenyl ether	ND	360	ug/Kg	1	11/02/24	MR	SW8270E
4-Chloro-3-methylphenol	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
4-Chloroaniline	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
4-Nitroaniline	ND	580	ug/Kg	1	11/02/24	MR	SW8270E
4-Nitrophenol	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Acenaphthene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Acenaphthylene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Acetophenone	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Aniline	ND	360	ug/Kg	1	11/02/24	MR	SW8270E
Anthracene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Benz(a)anthracene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Benzidine	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Benzo(a)pyrene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Benzo(b)fluoranthene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Benzo(ghi)perylene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Benzo(k)fluoranthene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Benzoic acid	ND	720	ug/Kg	1	11/02/24	MR	SW8270E
Benzyl butyl phthalate	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Bis(2-chloroethyl)ether	ND	360	ug/Kg	1	11/02/24	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	360	ug/Kg	1	11/02/24	MR	SW8270E
Carbazole	ND	360	ug/Kg	1	11/02/24	MR	SW8270E
Chrysene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Dibenz(a,h)anthracene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Dibenzofuran	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Diethyl phthalate	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Dimethylphthalate	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Di-n-butylphthalate	ND	360	ug/Kg	1	11/02/24	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Di-n-octylphthalate	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Fluoranthene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Fluorene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Hexachlorobenzene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Hexachlorobutadiene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Hexachlorocyclopentadiene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Hexachloroethane	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Isophorone	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Naphthalene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Nitrobenzene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
N-Nitrosodimethylamine	ND	360	ug/Kg	1	11/02/24	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
N-Nitrosodiphenylamine	ND	360	ug/Kg	1	11/02/24	MR	SW8270E
Pentachloronitrobenzene	ND	360	ug/Kg	1	11/02/24	MR	SW8270E
Pentachlorophenol	ND	360	ug/Kg	1	11/02/24	MR	SW8270E
Phenanthrene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Phenol	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Pyrene	ND	250	ug/Kg	1	11/02/24	MR	SW8270E
Pyridine	ND	360	ug/Kg	1	11/02/24	MR	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	55		%	1	11/02/24	MR	30 - 130 %
% 2-Fluorobiphenyl	48		%	1	11/02/24	MR	30 - 130 %
% 2-Fluorophenol	45		%	1	11/02/24	MR	30 - 130 %
% Nitrobenzene-d5	48		%	1	11/02/24	MR	30 - 130 %
% Phenol-d5	44		%	1	11/02/24	MR	30 - 130 %
% Terphenyl-d14	46		%	1	11/02/24	MR	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 (preceded 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.

The TPH (C10-C28) is quantitated using an alkane 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.

Hexavalent Chromium:

This sample is in a reducing state.

Semi-Volatile Comment:

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

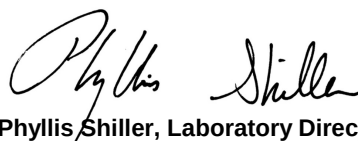
This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the GRO/VPH soil data as biased low.

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.

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

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



Phyllis Shiller, Laboratory Director

November 12, 2024

Reviewed and Released by: Phyllis Shiller, Laboratory Director



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



QA/QC Report

November 12, 2024

QA/QC Data

SDG I.D.: GCR96654

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 756110 (mg/kg), QC Sample No: CR96661 40X (CR96657, CR96661, CR96663, CR96666, CR96668)													
Chromium, Hexavalent - Soil													
Chromium, Hexavalent	BRL	0.40	<0.47	<0.46	NC	96.4						80 - 120	30
Chromium, Hexavalent (Ins)						102			90.9			80 - 120	30
Chromium, Hexavalent (Sol)						98.8			49.9			80 - 120	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.

Additional Hexavalent Chromium criteria: MS acceptance range is 75-125%.

QA/QC Batch 756317 (mg/kg), QC Sample No: CR97499 40X (CR96670)

Chromium, Hexavalent - Soil

Chromium, Hexavalent	BRL	0.40	<0.42	<0.41	NC	94.7						80 - 120	30
Chromium, Hexavalent (Ins)						101			93.3			80 - 120	30
Chromium, Hexavalent (Sol)						94.6			81.5			80 - 120	30

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.

Additional Hexavalent Chromium criteria: MS acceptance range is 75-125%.

QA/QC Batch 756113 (mg/L), QC Sample No: CR95268 (CR96658, CR96659, CR96664)

Mercury (Dissolved)	BRL	0.0002	<0.0002	<0.0002	NC	115			99.8	102	2.2	80 - 120	20

Comment:

Additional Mercury Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range is 75-125% for aqueous and 80-120% for soils.

QA/QC Batch 756115 (mg/L), QC Sample No: CR96343 (CR96658, CR96659, CR96664)

Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	100			97.4			80 - 120	20

Comment:

Additional Mercury Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range is 75-125% for aqueous and 80-120% for soils.

QA/QC Batch 756128 (mg/kg), QC Sample No: CR96610 2X (CR96657, CR96661, CR96663, CR96666, CR96668, CR96670)

Mercury - Soil	BRL	0.02	0.07	0.11	NC	92.6	96.1	3.7	102	100	2.0	70 - 130	30

Comment:

Additional Mercury Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range is 75-125% for aqueous and 80-120% for soils.

QA/QC Batch 756116 (mg/L), QC Sample No: CR96657 (CR96657, CR96658, CR96659, CR96661)

Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	96.3			98.4			80 - 120	20

Comment:

Additional Mercury Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range is 75-125% for aqueous and 80-120% for soils.

QA/QC Batch 756117 (mg/L), QC Sample No: CR96663 (CR96663, CR96664, CR96666, CR96668, CR96670)

Mercury - Water	BRL	0.0002		<0.0002		99.1			98.6			80 - 120	20

QA/QC Data

SDG I.D.: GCR96654

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

Comment:

Additional Mercury Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range is 75-125% for aqueous and 80-120% for soils.

QA/QC Batch 756118 (mg/L), QC Sample No: CR91815 (CR96657)

ICP Metals - TCLP Extraction

Arsenic	BRL	0.01	<0.01	<0.01	NC	106	103	2.9	106			80 - 120	20
Barium	BRL	0.01	0.71	0.72	1.40	101	99.0	2.0	103			80 - 120	20
Cadmium	BRL	0.005	0.006	0.006	NC	97.9	95.6	2.4	97.3			80 - 120	20
Chromium	BRL	0.010	<0.010	<0.010	NC	99.2	97.0	2.2	99.5			80 - 120	20
Lead	BRL	0.010	0.346	0.357	3.10	95.3	93.1	2.3	96.0			80 - 120	20
Selenium	BRL	0.05	<0.04	<0.05	NC	110	109	0.9	110			80 - 120	20
Silver	BRL	0.010	<0.005	<0.010	NC	100	97.8	2.2	101			80 - 120	20

Comment:

Additional Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range 75-125%.

QA/QC Batch 756119 (mg/L), QC Sample No: CR91817 (CR96658, CR96659, CR96661, CR96663, CR96664, CR96666, CR96668, CR96670)

ICP Metals - TCLP Extraction

Arsenic	BRL	0.01	<0.01	<0.01	NC	100	98.1	1.9	98.0			80 - 120	20
Barium	BRL	0.01	0.14	0.14	0	98.3	98.0	0.3	97.9			80 - 120	20
Cadmium	BRL	0.005	<0.004	<0.005	NC	91.1	89.9	1.3	89.5			80 - 120	20
Chromium	BRL	0.010	<0.010	<0.010	NC	93.1	91.9	1.3	91.5			80 - 120	20
Lead	BRL	0.010	0.116	0.113	2.60	89.8	88.1	1.9	87.3			80 - 120	20
Selenium	BRL	0.05	<0.04	<0.05	NC	105	104	1.0	103			80 - 120	20
Silver	BRL	0.010	<0.005	<0.010	NC	94.8	94.4	0.4	95.0			80 - 120	20

Comment:

Additional Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range 75-125%.

QA/QC Batch 756064 (mg/kg), QC Sample No: CR95980 (CR96657, CR96661, CR96663, CR96666, CR96668, CR96670)

ICP Metals - Soil

Aluminum	BRL	5.0	6320	7140	12.2	119	114	4.3	NC			75 - 125	30	
Antimony	BRL	3.3	<2.0	<3.1	NC	101	90.6	10.9	95.7			75 - 125	30	
Arsenic	BRL	0.67	1.88	1.82	NC	107	96.0	10.8	97.3			75 - 125	30	
Barium	BRL	0.33	33.8	34.9	3.20	116	107	8.1	116			75 - 125	30	
Beryllium	BRL	0.27	0.30	0.31	NC	117	103	12.7	104			75 - 125	30	
Cadmium	BRL	0.33	<0.33	<0.31	NC	115	97.1	16.9	100			75 - 125	30	
Calcium	BRL	5.0	1780	1590	11.3	110	101	8.5	NC			75 - 125	30	
Chromium	BRL	0.33	12.0	18.3	41.6	117	105	10.8	109			75 - 125	30	r
Cobalt	BRL	0.33	5.34	5.61	4.90	116	105	10.0	106			75 - 125	30	
Copper	BRL	0.67	18.6	13.7	30.3	116	104	10.9	106			75 - 125	30	
Iron	BRL	5.0	12000	13900	14.7	116	103	11.9	NC			75 - 125	30	
Lead	BRL	0.33	17.3	19.0	9.40	108	97.5	10.2	96.7			75 - 125	30	
Magnesium	BRL	5.0	2190	2440	10.8	117	106	9.9	NC			75 - 125	30	
Manganese	BRL	0.33	281	276	1.80	113	111	1.8	NC			75 - 125	30	
Nickel	BRL	0.33	9.26	9.66	4.20	120	107	11.5	107			75 - 125	30	
Potassium	BRL	5.0	684	756	10.0	117	99.5	16.2	>130			75 - 125	30	m
Selenium	BRL	1.3	<1.3	<1.2	NC	102	92.7	9.6	88.7			75 - 125	30	
Silver	BRL	0.33	<0.33	<0.31	NC	113	102	10.2	102			75 - 125	30	
Sodium	BRL	5.0	346	328	5.30	116	97.1	17.7	>130			75 - 125	30	m
Thallium	BRL	3.0	<0.8	<2.8	NC	114	98.3	14.8	102			75 - 125	30	
Vanadium	BRL	0.33	25.8	26.0	0.80	118	106	10.7	113			75 - 125	30	

QA/QC Data

SDG I.D.: GCR96654

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	41.5	44.0	5.80	113	102	10.2	125			75 - 125	30

Comment:

Additional Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range 75-125%.

QA/QC Batch 756235 (mg/L), QC Sample No: CR96679 (CR96658, CR96659, CR96664)

ICP Metals - Dissolved

Aluminum	BRL	0.011	<0.011	<0.011	NC	90.8	90.1	0.8	91.6			80 - 120	20
Antimony	BRL	0.005	<0.005	<0.005	NC	85.6	87.0	1.6	85.5			80 - 120	20
Arsenic	BRL	0.004	<0.004	<0.004	NC	89.1	90.1	1.1	88.7			80 - 120	20
Barium	BRL	0.002	0.013	0.013	0	93.2	92.5	0.8	91.1			80 - 120	20
Beryllium	BRL	0.001	<0.001	<0.001	NC	90.9	91.3	0.4	90.0			80 - 120	20
Cadmium	BRL	0.001	<0.001	<0.001	NC	90.6	90.7	0.1	88.3			80 - 120	20
Calcium	BRL	0.01	11.1	10.9	1.80	90.7	90.2	0.6	NC			80 - 120	20
Chromium	BRL	0.001	<0.001	<0.001	NC	90.1	90.1	0.0	88.3			80 - 120	20
Cobalt	BRL	0.001	<0.001	<0.001	NC	90.6	90.8	0.2	88.9			80 - 120	20
Copper	BRL	0.005	<0.005	<0.005	NC	90.8	90.6	0.2	90.1			80 - 120	20
Iron	BRL	0.011	4.69	4.62	1.50	90.6	90.5	0.1	82.2			80 - 120	20
Lead	BRL	0.002	<0.002	<0.002	NC	89.7	90.9	1.3	87.9			80 - 120	20
Magnesium	BRL	0.01	1.72	1.70	1.20	91.5	91.3	0.2	85.6			80 - 120	20
Manganese	BRL	0.001	0.054	0.053	1.90	92.2	91.9	0.3	89.3			80 - 120	20
Nickel	BRL	0.001	<0.001	<0.001	NC	90.9	91.1	0.2	88.9			80 - 120	20
Potassium	BRL	0.1	2.3	2.3	0	91.8	89.9	2.1	96.7			80 - 120	20
Selenium	BRL	0.011	<0.011	<0.011	NC	88.2	91.1	3.2	87.7			80 - 120	20
Silver	BRL	0.001	<0.001	<0.001	NC	90.1	90.4	0.3	89.3			80 - 120	20
Sodium	BRL	0.11	117	118	0.90	94.5	88.8	6.2	NC			80 - 120	20
Thallium	BRL	0.011	<0.011	<0.011	NC	92.2	92.8	0.6	90.7			80 - 120	20
Vanadium	BRL	0.002	<0.002	<0.002	NC	90.0	90.0	0.0	88.7			80 - 120	20
Zinc	BRL	0.002	<0.002	<0.002	NC	90.2	90.7	0.6	89.0			80 - 120	20

Comment:

Additional Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range 75-125%.

QA/QC Batch 756418 (mg/L), QC Sample No: CR97489 (CR96658, CR96659, CR96664)

ICP Metals - Aqueous

Aluminum	BRL	0.020	0.035	0.035	NC	98.0	97.1	0.9	97.7	97.9	0.2	80 - 120	20
Antimony	BRL	0.005	<0.005	<0.005	NC	97.6	96.3	1.3	96.0	96.3	0.3	80 - 120	20
Arsenic	BRL	0.004	<0.004	<0.004	NC	93.5	92.1	1.5	92.5	91.9	0.7	80 - 120	20
Barium	BRL	0.002	0.130	0.131	0.80	101	99.7	1.3	99.7	99.6	0.1	80 - 120	20
Beryllium	BRL	0.001	<0.001	<0.001	NC	96.5	95.5	1.0	96.3	95.3	1.0	80 - 120	20
Cadmium	BRL	0.001	<0.001	<0.001	NC	94.0	93.1	1.0	93.0	92.9	0.1	80 - 120	20
Calcium	BRL	0.010	9.26	9.33	0.80	97.1	95.9	1.2	NC	NC	NC	80 - 120	20
Chromium	BRL	0.001	<0.001	<0.001	NC	94.3	93.3	1.1	93.3	93.4	0.1	80 - 120	20
Cobalt	BRL	0.002	<0.002	<0.002	NC	95.5	94.7	0.8	94.6	94.6	0.0	80 - 120	20
Copper	BRL	0.005	<0.005	<0.005	NC	97.6	96.8	0.8	97.1	97.3	0.2	80 - 120	20
Iron	BRL	0.010	<0.010	<0.010	NC	95.0	94.1	1.0	94.0	94.2	0.2	80 - 120	20
Lead	BRL	0.001	<0.001	<0.001	NC	94.0	92.6	1.5	92.4	92.1	0.3	80 - 120	20
Magnesium	BRL	0.010	2.62	2.63	0.40	96.4	95.3	1.1	92.6	93.8	1.3	80 - 120	20
Manganese	BRL	0.001	0.699	0.705	0.90	101	99.2	1.8	98.3	98.8	0.5	80 - 120	20
Nickel	BRL	0.001	0.002	0.002	NC	95.7	95.0	0.7	95.1	94.9	0.2	80 - 120	20
Potassium	BRL	0.1	4.5	4.6	2.20	96.4	94.1	2.4	91.6	92.3	0.8	80 - 120	20
Selenium	BRL	0.010	<0.010	<0.010	NC	94.4	94.1	0.3	92.9	92.9	0.0	80 - 120	20
Silver	BRL	0.001	<0.001	<0.001	NC	95.6	94.9	0.7	94.9	95.4	0.5	80 - 120	20
Sodium	BRL	0.10	13.2	13.4	1.50	98.8	95.2	3.7	NC	NC	NC	80 - 120	20

QA/QC Data

SDG I.D.: GCR96654

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Thallium	BRL	0.050	0	<0.050	NC	99.8	98.8	1.0	98.9	98.6	0.3	80 - 120	20
Vanadium	BRL	0.002	<0.002	<0.002	NC	96.4	95.3	1.1	95.7	95.9	0.2	80 - 120	20
Zinc	BRL	0.004	<0.004	<0.004	NC	94.0	93.2	0.9	93.5	93.5	0.0	80 - 120	20

Comment:

Additional Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. 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



QA/QC Report

November 12, 2024

QA/QC Data

SDG I.D.: GCR96654

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 756569 (mg/Kg), QC Sample No: CR96670 5X (CR96657, CR96658, CR96659, CR96661, CR96663, CR96664, CR96666, CR96668, CR96670)													
Reactivity Cyanide	BRL	5	<5	<5.1	NC	96.6						85 - 115	30
Reactivity Sulfide	BRL	20	<20	<20	NC	92.0						80 - 120	30
QA/QC Batch 756085 (PH), QC Sample No: CR96246 (CR96657, CR96658, CR96659, CR96661, CR96663, CR96664, CR96666, CR96668, CR96670)													
pH			5.59	5.62	0.50	100						85 - 115	20
QA/QC Batch 756646 (Degree F), QC Sample No: CR96311 (CR96657, CR96661, CR96663, CR96666, CR96668, CR96670)													
Flash Point			>200	>200	NC	100						75 - 125	30
Comment: Additional criteria matrix spike acceptance range is 75-125%.													
QA/QC Batch 756827 (Degree F), QC Sample No: CR97073 (CR96658, CR96659, CR96664)													
Flash Point			>200	>200	NC	101						75 - 125	30
Comment: Additional criteria matrix spike acceptance range is 75-125%.													
QA/QC Batch 756034 (mg/L), QC Sample No: CR96230 (CR96658, CR96659, CR96664)													
Chromium, Hexavalent	BRL	0.01	<0.01	<0.01	NC	97.8			101			80 - 120	20
Comment: Additional Hexavalent Chromium criteria: MS acceptance range is 75-125%.													



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QA/QC Report

November 12, 2024

QA/QC Data

SDG I.D.: GCR96654

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

QA/QC Batch 756053 (mg/Kg), QC Sample No: CR96614 (CR96657, CR96661, CR96663, CR96666, CR96668, CR96670)

TPH by GC (Extractable Products) - Soil

Ext. Petroleum HC	ND	50	98	78	22.7	82	87	5.9	30 - 130	30
% COD (surr)	107	%	115	70	48.6	87	115	27.7	50 - 150	30
% Terphenyl (surr)	105	%	89	107	18.4	126	108	15.4	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 756666 (mg/L), QC Sample No: CR97042 (CR96658, CR96659, CR96664)

TPH by GC (Extractable Products) - Ground Water

Total TPH	0.091	0.070	95	96	1.0	81	97	18.0	60 - 120	20
% Terphenyl (surr)	70	%	80	81	1.2	79	68	15.0	50 - 150	20

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 756814 (mg/Kg), QC Sample No: CR96657 50X (CR96657 (50X) , CR96661 (50X) , CR96663 (50X) , CR96666 (50X) , CR96668 (50X) , CR96670 (50X))

Gasoline Range Hydrocarbons (C6C10) - Soil

GRO (C6-C10)	ND	5.0	105	105	0.0	101	102	1.0	70 - 130	30
% 2,5-Dibromotoluene (FID)	97	%	99	99	0.0	99	102	3.0	70 - 130	30

QA/QC Batch 756406 (ug/L), QC Sample No: CR96658 (CR96658, CR96659, CR96664)

Gasoline Range Hydrocarbons - Ground Water

GRO (C6-C10)	ND	50	104	103	1.0				70 - 130	30
% 2,5-Dibromotoluene (FID)	99		100	97	3.0				70 - 130	30

Comment:

The MS/MSD are not reported for this batch.

QA/QC Batch 756456 (ug/Kg), QC Sample No: CR92758 10X (CR96657, CR96661, CR96663, CR96666, CR96668)

Chlorinated Herbicides - Soil

2,4,5-T	ND	130	79	87	9.6	62	84	30.1	40 - 140	30
2,4,5-TP (Silvex)	ND	130	77	84	8.7	62	79	24.1	40 - 140	30
2,4-D	ND	250	84	91	8.0	74	85	13.8	40 - 140	30
2,4-DB	ND	2500	75	85	12.5	69	81	16.0	40 - 140	30
Dalapon	ND	130	60	66	9.5	56	68	19.4	40 - 140	30
Dicamba	ND	130	88	89	1.1	65	74	12.9	40 - 140	30
Dichloroprop	ND	130	88	93	5.5	80	90	11.8	40 - 140	30
Dinoseb	ND	130	66	77	15.4	71	75	5.5	40 - 140	30
% DCAA (Surrogate Rec)	82	%	113	109	3.6	89	103	14.6	30 - 150	30
% DCAA (Surrogate Rec) (Confirm	84	%	130	129	0.8	106	120	12.4	30 - 150	30

Comment:

8151 additional criteria: (LCS/LCSD)10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. LCS acceptance range is 40-140% MS acceptance range 30-150%.

QA/QC Data

SDG I.D.: GCR96654

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

QA/QC Batch 756347 (ug/L), QC Sample No: CR96658 10X (CR96658, CR96659, CR96664)

Chlorinated Herbicides - Ground Water

2,4,5-T	ND	2.5	92	94	2.2				40 - 140	20
2,4,5-TP (Silvex)	ND	2.5	94	94	0.0				40 - 140	20
2,4-D	ND	5.0	93	94	1.1				40 - 140	20
2,4-DB	ND	50	39	43	9.8				40 - 140	20
Dalapon	ND	2.5	86	88	2.3				40 - 140	20
Dicamba	ND	2.5	90	88	2.2				40 - 140	20
Dichloroprop	ND	5.0	129	131	1.5				40 - 140	20
Dinoseb	ND	5.0	90	93	3.3				40 - 140	20
% DCAA (Surrogate Rec)	131	%	136	135	0.7				30 - 150	20
% DCAA (Surrogate Rec) (Confirm	123	%	131	128	2.3				30 - 150	20

Comment:

8151 additional criteria: (LCS/LCSD)10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. LCS acceptance range is 40-140% MS acceptance range 30-150%.

QA/QC Batch 756661 (ug/Kg), QC Sample No: CR97079 10X (CR96670)

Chlorinated Herbicides - Soil

2,4,5-T	ND	130	73	80	9.2	47	43	8.9	40 - 140	30
2,4,5-TP (Silvex)	ND	130	76	76	0.0	44	42	4.7	40 - 140	30
2,4-D	ND	250	76	81	6.4	48	45	6.5	40 - 140	30
2,4-DB	ND	2500	74	80	7.8	48	45	6.5	40 - 140	30
Dalapon	ND	130	59	69	15.6	42	41	2.4	40 - 140	30
Dicamba	ND	130	76	78	2.6	44	42	4.7	40 - 140	30
Dichloroprop	ND	130	81	84	3.6	55	51	7.5	40 - 140	30
Dinoseb	ND	130	64	68	6.1	46	50	8.3	40 - 140	30
% DCAA (Surrogate Rec)	86	%	98	106	7.8	63	62	1.6	30 - 150	30
% DCAA (Surrogate Rec) (Confirm	96	%	111	118	6.1	73	72	1.4	30 - 150	30

Comment:

8151 additional criteria: (LCS/LCSD)10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. LCS acceptance range is 40-140% MS acceptance range 30-150%.

QA/QC Batch 756289 (ug/Kg), QC Sample No: CR95439 2X (CR96657, CR96661)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	33	108	87	21.5	93	93	0.0	40 - 140	30
PCB-1221	ND	33							40 - 140	30
PCB-1232	ND	33							40 - 140	30
PCB-1242	ND	33							40 - 140	30
PCB-1248	ND	33							40 - 140	30
PCB-1254	ND	33							40 - 140	30
PCB-1260	ND	33	110	88	22.2	100	94	6.2	40 - 140	30
PCB-1262	ND	33							40 - 140	30
PCB-1268	ND	33							40 - 140	30
% DCBP (Surrogate Rec)	105	%	121	95	24.1	112	114	1.8	30 - 150	30
% DCBP (Surrogate Rec) (Confirm	93	%	108	87	21.5	123	126	2.4	30 - 150	30
% TCMX (Surrogate Rec)	89	%	100	83	18.6	99	89	10.6	30 - 150	30
% TCMX (Surrogate Rec) (Confirm	80	%	93	78	17.5	108	96	11.8	30 - 150	30

QA/QC Batch 756639 (ug/Kg), QC Sample No: CR96722 2X (CR96670)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	33	72	77	6.7	77	67	13.9	40 - 140	30
PCB-1221	ND	33							40 - 140	30
PCB-1232	ND	33							40 - 140	30
PCB-1242	ND	33							40 - 140	30

QA/QC Data

SDG I.D.: GCR96654

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
PCB-1248	ND	33							40 - 140	30
PCB-1254	ND	33							40 - 140	30
PCB-1260	ND	33	72	77	6.7	53	46	14.1	40 - 140	30
PCB-1262	ND	33							40 - 140	30
PCB-1268	ND	33							40 - 140	30
% DCBP (Surrogate Rec)	71	%	82	89	8.2	72	57	23.3	30 - 150	30
% DCBP (Surrogate Rec) (Confirm	71	%	80	86	7.2	61	55	10.3	30 - 150	30
% TCMX (Surrogate Rec)	67	%	74	82	10.3	76	65	15.6	30 - 150	30
% TCMX (Surrogate Rec) (Confirm	67	%	78	85	8.6	78	66	16.7	30 - 150	30

QA/QC Batch 756641 (ug/L), QC Sample No: CR97042 (CR96658, CR96659, CR96664)

Polychlorinated Biphenyls - Ground Water

PCB-1016	ND	0.050	89	90	1.1	105	99	5.9	40 - 140	20
PCB-1221	ND	0.050							40 - 140	20
PCB-1232	ND	0.050							40 - 140	20
PCB-1242	ND	0.050							40 - 140	20
PCB-1248	ND	0.050							40 - 140	20
PCB-1254	ND	0.050							40 - 140	20
PCB-1260	ND	0.050	86	95	9.9	90	94	4.3	40 - 140	20
PCB-1262	ND	0.050							40 - 140	20
PCB-1268	ND	0.050							40 - 140	20
% DCBP (Surrogate Rec)	86	%	82	98	17.8	80	83	3.7	30 - 150	20
% DCBP (Surrogate Rec) (Confirm	85	%	80	98	20.2	80	83	3.7	30 - 150	20
% TCMX (Surrogate Rec)	80	%	89	91	2.2	96	91	5.3	30 - 150	20
% TCMX (Surrogate Rec) (Confirm	75	%	92	95	3.2	97	92	5.3	30 - 150	20

QA/QC Batch 756348 (ug/Kg), QC Sample No: CR97085 2X (CR96663, CR96666, CR96668)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	33	100	114	13.1	114	97	16.1	40 - 140	30
PCB-1221	ND	33							40 - 140	30
PCB-1232	ND	33							40 - 140	30
PCB-1242	ND	33							40 - 140	30
PCB-1248	ND	33							40 - 140	30
PCB-1254	ND	33							40 - 140	30
PCB-1260	ND	33	93	115	21.2	107	95	11.9	40 - 140	30
PCB-1262	ND	33							40 - 140	30
PCB-1268	ND	33							40 - 140	30
% DCBP (Surrogate Rec)	114	%	104	136	26.7	123	110	11.2	30 - 150	30
% DCBP (Surrogate Rec) (Confirm	98	%	101	126	22.0	114	99	14.1	30 - 150	30
% TCMX (Surrogate Rec)	102	%	101	118	15.5	116	99	15.8	30 - 150	30
% TCMX (Surrogate Rec) (Confirm	94	%	95	110	14.6	110	93	16.7	30 - 150	30

QA/QC Batch 756290 (ug/Kg), QC Sample No: CR95439 2X (CR96657, CR96661)

Pesticides - Soil

4,4' -DDD	ND	1.7	78	94	18.6	83	72	14.2	40 - 140	30
4,4' -DDE	ND	1.7	89	109	20.2	80	66	19.2	40 - 140	30
4,4' -DDT	ND	1.7	84	97	14.4	83	69	18.4	40 - 140	30
a-BHC	ND	1.0	28	40	35.3	78	68	13.7	40 - 140	30
a-Chlordane	ND	3.3	79	96	19.4	74	64	14.5	40 - 140	30
Aldrin	ND	1.0	82	102	21.7	78	67	15.2	40 - 140	30
b-BHC	ND	1.0	83	96	14.5	76	66	14.1	40 - 140	30
Chlordane	ND	33	85	101	17.2	90	74	19.5	40 - 140	30
d-BHC	ND	3.3	18	18	0.0	96	86	11.0	40 - 140	30
Dieldrin	ND	1.0	86	102	17.0	91	71	24.7	40 - 140	30

QA/QC Data

SDG I.D.: GCR96654

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Endosulfan I	ND	3.3	35	36	2.8	89	76	15.8	40 - 140	30	I
Endosulfan II	ND	3.3	35	44	22.8	85	73	15.2	40 - 140	30	I
Endosulfan sulfate	ND	3.3	66	76	14.1	68	61	10.9	40 - 140	30	
Endrin	ND	3.3	92	108	16.0	91	76	18.0	40 - 140	30	
Endrin aldehyde	ND	3.3	45	57	23.5	32	82	87.7	40 - 140	30	r
Endrin ketone	ND	3.3	89	106	17.4	72	61	16.5	40 - 140	30	
g-BHC	ND	1.0	37	51	31.8	86	74	15.0	40 - 140	30	I,r
g-Chlordane	ND	3.3	85	101	17.2	90	74	19.5	40 - 140	30	
Heptachlor	ND	3.3	87	106	19.7	80	69	14.8	40 - 140	30	
Heptachlor epoxide	ND	3.3	75	89	17.1	91	71	24.7	40 - 140	30	
Methoxychlor	ND	3.3	83	102	20.5	89	76	15.8	40 - 140	30	
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30	
% DCBP	106	%	90	104	14.4	50	45	10.5	30 - 150	30	
% DCBP (Confirmation)	51	%	51	56	9.3	100	85	16.2	30 - 150	30	
% TCMX	79	%	73	89	19.8	69	59	15.6	30 - 150	30	
% TCMX (Confirmation)	70	%	63	79	22.5	78	68	13.7	30 - 150	30	

Comment:

8081 additional criteria: (LCS/LCSD)10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. LCS acceptance range is 40-140% MS acceptance range 30-150%.

QA/QC Batch 756640 (ug/Kg), QC Sample No: CR96722 2X (CR96670)

Pesticides - Soil

4,4' -DDD	ND	1.7	59	55	7.0	76	59	25.2	40 - 140	30	
4,4' -DDE	ND	1.7	60	55	8.7	86	76	12.3	40 - 140	30	
4,4' -DDT	ND	1.7	60	56	6.9	123	148	18.5	40 - 140	30	
a-BHC	ND	1.0	55	51	7.5	47	39	18.6	40 - 140	30	
a-Chlordane	ND	3.3	57	54	5.4	45	31	36.8	40 - 140	30	r
Aldrin	ND	1.0	54	50	7.7	41	33	21.6	40 - 140	30	
b-BHC	ND	1.0	55	50	9.5	51	47	8.2	40 - 140	30	
Chlordane	ND	33	61	53	14.0	56	40	33.3	40 - 140	30	r
d-BHC	ND	3.3	36	49	30.6	42	41	2.4	40 - 140	30	I,r
Dieldrin	ND	1.0	59	55	7.0	55	43	24.5	40 - 140	30	
Endosulfan I	ND	3.3	56	49	13.3	53	32	49.4	40 - 140	30	r
Endosulfan II	ND	3.3	59	57	3.4	83	69	18.4	40 - 140	30	
Endosulfan sulfate	ND	3.3	62	59	5.0	86	98	13.0	40 - 140	30	
Endrin	ND	3.3	58	49	16.8	55	43	24.5	40 - 140	30	
Endrin aldehyde	ND	3.3	53	51	3.8	118	136	14.2	40 - 140	30	
Endrin ketone	ND	3.3	67	62	7.8	116	94	21.0	40 - 140	30	
g-BHC	ND	1.0	63	61	3.2	55	48	13.6	40 - 140	30	
g-Chlordane	ND	3.3	61	53	14.0	56	40	33.3	40 - 140	30	r
Heptachlor	ND	3.3	53	49	7.8	46	45	2.2	40 - 140	30	
Heptachlor epoxide	ND	3.3	50	46	8.3	53	58	9.0	40 - 140	30	
Methoxychlor	ND	3.3	66	63	4.7	85	64	28.2	40 - 140	30	
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30	
% DCBP	75	%	62	59	5.0	106	66	46.5	30 - 150	30	r
% DCBP (Confirmation)	79	%	69	65	6.0	107	60	56.3	30 - 150	30	r
% TCMX	62	%	55	49	11.5	51	46	10.3	30 - 150	30	
% TCMX (Confirmation)	67	%	60	53	12.4	61	51	17.9	30 - 150	30	

Comment:

8081 additional criteria: (LCS/LCSD)10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. LCS acceptance range is 40-140% MS acceptance range 30-150%.

QA/QC Data

SDG I.D.: GCR96654

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

QA/QC Batch 756349 (ug/Kg), QC Sample No: CR97085 2X (CR96663, CR96666, CR96668)

Pesticides - Soil

4,4' -DDD	ND	1.7	86	90	4.5	79	80	1.3	40 - 140	30
4,4' -DDE	ND	1.7	91	94	3.2	82	85	3.6	40 - 140	30
4,4' -DDT	ND	1.7	90	92	2.2	83	84	1.2	40 - 140	30
a-BHC	ND	1.0	83	85	2.4	75	73	2.7	40 - 140	30
a-Chlordane	ND	3.3	85	88	3.5	74	76	2.7	40 - 140	30
Aldrin	ND	1.0	80	80	0.0	70	69	1.4	40 - 140	30
b-BHC	ND	1.0	81	81	0.0	67	69	2.9	40 - 140	30
Chlordane	ND	33	87	89	2.3	79	81	2.5	40 - 140	30
d-BHC	ND	3.3	69	74	7.0	72	73	1.4	40 - 140	30
Dieldrin	ND	1.0	88	90	2.2	78	79	1.3	40 - 140	30
Endosulfan I	ND	3.3	84	85	1.2	76	76	0.0	40 - 140	30
Endosulfan II	ND	3.3	91	93	2.2	80	82	2.5	40 - 140	30
Endosulfan sulfate	ND	3.3	93	96	3.2	86	86	0.0	40 - 140	30
Endrin	ND	3.3	84	88	4.7	77	76	1.3	40 - 140	30
Endrin aldehyde	ND	3.3	68	70	2.9	51	57	11.1	40 - 140	30
Endrin ketone	ND	3.3	99	101	2.0	88	88	0.0	40 - 140	30
g-BHC	ND	1.0	86	87	1.2	78	77	1.3	40 - 140	30
g-Chlordane	ND	3.3	87	89	2.3	79	81	2.5	40 - 140	30
Heptachlor	ND	3.3	77	77	0.0	68	68	0.0	40 - 140	30
Heptachlor epoxide	ND	3.3	73	74	1.4	66	65	1.5	40 - 140	30
Methoxychlor	ND	3.3	95	99	4.1	91	91	0.0	40 - 140	30
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30
% DCBP	89	%	89	90	1.1	82	81	1.2	30 - 150	30
% DCBP (Confirmation)	75	%	81	82	1.2	79	79	0.0	30 - 150	30
% TCMX	76	%	77	77	0.0	70	68	2.9	30 - 150	30
% TCMX (Confirmation)	72	%	77	75	2.6	67	66	1.5	30 - 150	30

Comment:

8081 additional criteria: (LCS/LCSD)10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. LCS acceptance range is 40-140% MS acceptance range 30-150%.

QA/QC Batch 756642 (ug/L), QC Sample No: CR98411 (CR96658, CR96659, CR96664)

Pesticides - Ground Water

4,4' -DDD	ND	0.003	94	102	8.2				40 - 140	20
4,4' -DDE	ND	0.003	91	97	6.4				40 - 140	20
4,4' -DDT	ND	0.003	75	83	10.1				40 - 140	20
a-BHC	ND	0.002	78	87	10.9				40 - 140	20
a-Chlordane	ND	0.005	80	81	1.2				40 - 140	20
Alachlor	ND	0.005	NA	NA	NC				40 - 140	20
Aldrin	ND	0.002	58	53	9.0				40 - 140	20
b-BHC	ND	0.002	79	82	3.7				40 - 140	20
Chlordane	ND	0.050	77	75	2.6				40 - 140	20
d-BHC	ND	0.005	69	70	1.4				40 - 140	20
Dieldrin	ND	0.002	89	92	3.3				40 - 140	20
Endosulfan I	ND	0.005	81	77	5.1				40 - 140	20
Endosulfan II	ND	0.005	93	102	9.2				40 - 140	20
Endosulfan sulfate	ND	0.005	89	89	0.0				40 - 140	20
Endrin	ND	0.005	66	100	41.0				40 - 140	20
Endrin aldehyde	ND	0.005	74	83	11.5				40 - 140	20
Endrin ketone	ND	0.005	87	89	2.3				40 - 140	20
g-BHC	ND	0.002	78	86	9.8				40 - 140	20
g-Chlordane	ND	0.005	77	75	2.6				40 - 140	20

QA/QC Data

SDG I.D.: GCR96654

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Heptachlor	ND	0.005	62	62	0.0				40 - 140	20
Heptachlor epoxide	ND	0.005	69	74	7.0				40 - 140	20
Methoxychlor	ND	0.005	101	114	12.1				40 - 140	20
Toxaphene	ND	0.20	NA	NA	NC				40 - 140	20
% DCBP	78	%	70	82	15.8				30 - 150	20
% DCBP (Confirmation)	75	%	82	78	5.0				30 - 150	20
% TCMX	64	%	70	72	2.8				30 - 150	20
% TCMX (Confirmation)	66	%	74	78	5.3				30 - 150	20

Comment:

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

8081 additional criteria: (LCS/LCSD)10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. LCS acceptance range is 40-140% MS acceptance range 30-150%.

QA/QC Batch 756253 (ug/kg), QC Sample No: CR96236 (CR96657)

Semivolatiles - Soil

1,2,4,5-Tetrachlorobenzene	ND	230	47	46	2.2	45	52	14.4	40 - 140	30
1,2,4-Trichlorobenzene	ND	230	56	53	5.5	54	60	10.5	40 - 140	30
1,2-Dichlorobenzene	ND	180	54	51	5.7	53	57	7.3	40 - 140	30
1,2-Diphenylhydrazine	ND	230	56	53	5.5	52	66	23.7	40 - 140	30
1,3-Dichlorobenzene	ND	230	53	49	7.8	52	55	5.6	40 - 140	30
1,4-Dichlorobenzene	ND	230	55	50	9.5	54	58	7.1	40 - 140	30
2,2'-Oxybis(1-Chloropropane)	ND	230	51	46	10.3	51	55	7.5	40 - 140	30
2,4,5-Trichlorophenol	ND	230	69	66	4.4	65	78	18.2	40 - 140	30
2,4,6-Trichlorophenol	ND	130	73	70	4.2	72	84	15.4	30 - 130	30
2,4-Dichlorophenol	ND	130	70	65	7.4	67	76	12.6	30 - 130	30
2,4-Dimethylphenol	ND	230	74	73	1.4	71	81	13.2	30 - 130	30
2,4-Dinitrophenol	ND	230	70	76	8.2	77	88	13.3	30 - 130	30
2,4-Dinitrotoluene	ND	130	78	73	6.6	74	85	13.8	30 - 130	30
2,6-Dinitrotoluene	ND	130	71	68	4.3	67	79	16.4	40 - 140	30
2-Chloronaphthalene	ND	230	64	60	6.5	61	70	13.7	40 - 140	30
2-Chlorophenol	ND	230	68	64	6.1	68	77	12.4	30 - 130	30
2-Methylnaphthalene	ND	230	63	59	6.6	61	70	13.7	40 - 140	30
2-Methylphenol (o-cresol)	ND	230	72	70	2.8	75	83	10.1	40 - 140	30
2-Nitroaniline	ND	330	103	98	5.0	85	109	24.7	40 - 140	30
2-Nitrophenol	ND	230	65	64	1.6	64	71	10.4	40 - 140	30
3&4-Methylphenol (m&p-cresol)	ND	230	64	61	4.8	64	70	9.0	30 - 130	30
3,3'-Dichlorobenzidine	ND	130	74	72	2.7	62	76	20.3	40 - 140	30
3-Nitroaniline	ND	330	85	85	0.0	77	92	17.8	40 - 140	30
4,6-Dinitro-2-methylphenol	ND	230	74	73	1.4	70	83	17.0	30 - 130	30
4-Bromophenyl phenyl ether	ND	230	72	70	2.8	68	80	16.2	40 - 140	30
4-Chloro-3-methylphenol	ND	230	77	73	5.3	71	82	14.4	30 - 130	30
4-Chloroaniline	ND	230	73	70	4.2	64	76	17.1	40 - 140	30
4-Chlorophenyl phenyl ether	ND	230	67	65	3.0	64	72	11.8	40 - 140	30
4-Nitroaniline	ND	230	75	73	2.7	69	81	16.0	40 - 140	30
4-Nitrophenol	ND	230	86	85	1.2	81	93	13.8	30 - 130	30
Acenaphthene	ND	230	65	63	3.1	64	72	11.8	30 - 130	30
Acenaphthylene	ND	130	58	54	7.1	54	61	12.2	40 - 140	30
Acetophenone	ND	230	57	54	5.4	58	64	9.8	40 - 140	30
Aniline	ND	330	60	54	10.5	48	54	11.8	40 - 140	30
Anthracene	ND	230	75	73	2.7	69	81	16.0	40 - 140	30
Benz(a)anthracene	ND	230	71	69	2.9	66	77	15.4	40 - 140	30
Benzidine	ND	330	82	71	14.4	15	17	12.5	40 - 140	30 m

QA/QC Data

SDG I.D.: GCR96654

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Benzo(a)pyrene	ND	130	75	71	5.5	67	82	20.1	40 - 140	30
Benzo(b)fluoranthene	ND	160	65	65	0.0	56	66	16.4	40 - 140	30
Benzo(ghi)perylene	ND	230	82	77	6.3	71	88	21.4	40 - 140	30
Benzo(k)fluoranthene	ND	230	67	62	7.8	57	67	16.1	40 - 140	30
Benzoic Acid	ND	670	44	63	35.5	71	81	13.2	30 - 130	30
Benzyl butyl phthalate	ND	230	68	66	3.0	64	73	13.1	40 - 140	30
Bis(2-chloroethoxy)methane	ND	230	63	60	4.9	60	69	14.0	40 - 140	30
Bis(2-chloroethyl)ether	ND	130	60	56	6.9	60	65	8.0	40 - 140	30
Bis(2-ethylhexyl)phthalate	ND	230	70	66	5.9	63	72	13.3	40 - 140	30
Carbazole	ND	230	76	75	1.3	69	83	18.4	40 - 140	30
Chrysene	ND	230	64	61	4.8	59	68	14.2	40 - 140	30
Dibenz(a,h)anthracene	ND	130	78	72	8.0	68	85	22.2	40 - 140	30
Dibenzofuran	ND	230	67	63	6.2	64	73	13.1	40 - 140	30
Diethyl phthalate	ND	230	76	71	6.8	68	81	17.4	40 - 140	30
Dimethylphthalate	ND	230	72	68	5.7	66	76	14.1	40 - 140	30
Di-n-butylphthalate	ND	670	78	77	1.3	72	88	20.0	40 - 140	30
Di-n-octylphthalate	ND	230	77	73	5.3	66	76	14.1	40 - 140	30
Fluoranthene	ND	230	74	74	0.0	67	83	21.3	40 - 140	30
Fluorene	ND	230	69	65	6.0	65	75	14.3	40 - 140	30
Hexachlorobenzene	ND	130	78	72	8.0	70	83	17.0	40 - 140	30
Hexachlorobutadiene	ND	230	57	55	3.6	56	61	8.5	40 - 140	30
Hexachlorocyclopentadiene	ND	230	39	20	64.4	50	48	4.1	40 - 140	30
Hexachloroethane	ND	130	55	50	9.5	53	57	7.3	40 - 140	30
Indeno(1,2,3-cd)pyrene	ND	230	74	70	5.6	66	82	21.6	40 - 140	30
Isophorone	ND	130	60	58	3.4	57	64	11.6	40 - 140	30
Naphthalene	ND	230	58	54	7.1	56	62	10.2	40 - 140	30
Nitrobenzene	ND	130	63	60	4.9	63	70	10.5	40 - 140	30
N-Nitrosodimethylamine	ND	230	57	53	7.3	52	55	5.6	40 - 140	30
N-Nitrosodi-n-propylamine	ND	130	64	62	3.2	65	74	12.9	40 - 140	30
N-Nitrosodiphenylamine	ND	130	69	65	6.0	64	75	15.8	40 - 140	30
Pentachloronitrobenzene	ND	230	63	62	1.6	55	66	18.2	40 - 140	30
Pentachlorophenol	ND	230	87	85	2.3	87	100	13.9	30 - 130	30
Phenanthrene	ND	130	71	71	0.0	68	80	16.2	40 - 140	30
Phenol	ND	230	72	70	2.8	71	78	9.4	30 - 130	30
Pyrene	ND	230	72	71	1.4	66	79	17.9	30 - 130	30
Pyridine	ND	230	48	44	8.7	40	40	0.0	40 - 140	30
% 2,4,6-Tribromophenol	62	%	74	70	5.6	69	84	19.6	30 - 130	30
% 2-Fluorobiphenyl	50	%	59	56	5.2	60	67	11.0	30 - 130	30
% 2-Fluorophenol	49	%	59	57	3.4	63	69	9.1	30 - 130	30
% Nitrobenzene-d5	50	%	60	56	6.9	63	69	9.1	30 - 130	30
% Phenol-d5	46	%	64	60	6.5	64	72	11.8	30 - 130	30
% Terphenyl-d14	51	%	63	64	1.6	59	73	21.2	30 - 130	30

Comment:

Additional 8270 criteria: 10% 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 756703 (ug/L), QC Sample No: CR97042 (CR96658, CR96659, CR96664)

Semivolatiles - Ground Water

1,2,4,5-Tetrachlorobenzene	ND	3.5	73	68	7.1				40 - 140	20
1,2,4-Trichlorobenzene	ND	3.5	76	71	6.8				40 - 140	20
1,2-Dichlorobenzene	ND	1.0	80	73	9.2				40 - 140	20
1,2-Diphenylhydrazine	ND	1.6	91	86	5.6				40 - 140	20
1,3-Dichlorobenzene	ND	1.0	78	72	8.0				40 - 140	20

QA/QC Data

SDG I.D.: GCR96654

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,4-Dichlorobenzene	ND	1.0	79	73	7.9				40 - 140	20
2,2'-Oxybis(1-Chloropropane)	ND	1.0	80	75	6.5				40 - 140	20
2,4,5-Trichlorophenol	ND	1.0	82	81	1.2				40 - 140	20
2,4,6-Trichlorophenol	ND	1.0	83	81	2.4				30 - 130	20
2,4-Dichlorophenol	ND	1.0	83	78	6.2				30 - 130	20
2,4-Dimethylphenol	ND	1.0	84	78	7.4				30 - 130	20
2,4-Dinitrophenol	ND	1.0	14	43	101.8				30 - 130	20
2,4-Dinitrotoluene	ND	3.5	98	94	4.2				30 - 130	20
2,6-Dinitrotoluene	ND	3.5	92	88	4.4				40 - 140	20
2-Chloronaphthalene	ND	3.5	82	78	5.0				40 - 140	20
2-Chlorophenol	ND	1.0	81	77	5.1				30 - 130	20
2-Methylphenol (o-cresol)	ND	1.0	81	76	6.4				40 - 140	20
2-Nitroaniline	ND	3.5	194	184	5.3				40 - 140	20
2-Nitrophenol	ND	1.0	76	72	5.4				40 - 140	20
3&4-Methylphenol (m&p-cresol)	ND	1.0	90	85	5.7				30 - 130	20
3,3'-Dichlorobenzidine	ND	5.0	54	50	7.7				40 - 140	20
3-Nitroaniline	ND	5.0	109	103	5.7				40 - 140	20
4,6-Dinitro-2-methylphenol	ND	1.0	21	56	90.9				30 - 130	20
4-Bromophenyl phenyl ether	ND	3.5	84	80	4.9				40 - 140	20
4-Chloro-3-methylphenol	ND	1.0	90	86	4.5				30 - 130	20
4-Chloroaniline	ND	3.5	99	90	9.5				40 - 140	20
4-Chlorophenyl phenyl ether	ND	1.0	82	79	3.7				40 - 140	20
4-Nitroaniline	ND	5.0	101	95	6.1				40 - 140	20
4-Nitrophenol	ND	1.0	84	92	9.1				30 - 130	20
Acetophenone	ND	3.5	82	77	6.3				40 - 140	20
Aniline	ND	3.5	90	80	11.8				40 - 140	20
Benzidine	ND	4.5	117	106	9.9				40 - 140	20
Benzoic acid	ND	10	<10	69	NC				30 - 130	20
Benzyl butyl phthalate	ND	1.5	89	86	3.4				40 - 140	20
Bis(2-chloroethoxy)methane	ND	3.5	87	81	7.1				40 - 140	20
Bis(2-chloroethyl)ether	ND	1.0	90	85	5.7				40 - 140	20
Bis(2-ethylhexyl)phthalate	ND	1.5	84	82	2.4				40 - 140	20
Carbazole	ND	5.0	88	84	4.7				40 - 140	20
Dibenzofuran	ND	3.5	84	79	6.1				40 - 140	20
Diethyl phthalate	ND	1.5	91	87	4.5				40 - 140	20
Dimethylphthalate	ND	1.5	88	85	3.5				40 - 140	20
Di-n-butylphthalate	ND	1.5	90	86	4.5				40 - 140	20
Di-n-octylphthalate	ND	1.5	89	86	3.4				40 - 140	20
Hexachloroethane	ND	3.5	80	74	7.8				40 - 140	20
Isophorone	ND	3.5	85	78	8.6				40 - 140	20
N-Nitrosodi-n-propylamine	ND	3.5	91	85	6.8				40 - 140	20
N-Nitrosodiphenylamine	ND	3.5	77	74	4.0				40 - 140	20
Pentachloronitrobenzene	ND	5.0	84	81	3.6				40 - 140	20
Phenol	ND	1.0	84	80	4.9				30 - 130	20
% 2,4,6-Tribromophenol	75	%	89	87	2.3				15 - 110	20
% 2-Fluorobiphenyl	73	%	77	73	5.3				30 - 130	20
% 2-Fluorophenol	68	%	74	69	7.0				15 - 110	20
% Nitrobenzene-d5	77	%	84	77	8.7				30 - 130	20
% Phenol-d5	73	%	77	73	5.3				15 - 110	20
% Terphenyl-d14	78	%	80	77	3.8				30 - 130	20

Comment:

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

QA/QC Data

SDG I.D.: GCR96654

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 756429 (ug/kg), QC Sample No: CR97758 (CR96661, CR96663, CR96666, CR96668, CR96670)										
Semivolatiles - Soil										
1,2,4,5-Tetrachlorobenzene	ND	230	44	43	2.3	40	44	9.5	40 - 140	30
1,2,4-Trichlorobenzene	ND	230	54	53	1.9	49	52	5.9	40 - 140	30
1,2-Dichlorobenzene	ND	180	50	51	2.0	45	49	8.5	40 - 140	30
1,2-Diphenylhydrazine	ND	230	50	50	0.0	45	50	10.5	40 - 140	30
1,3-Dichlorobenzene	ND	230	50	50	0.0	46	48	4.3	40 - 140	30
1,4-Dichlorobenzene	ND	230	52	52	0.0	47	50	6.2	40 - 140	30
2,2'-Oxybis(1-Chloropropane)	ND	230	44	44	0.0	41	44	7.1	40 - 140	30
2,4,5-Trichlorophenol	ND	230	60	63	4.9	56	58	3.5	40 - 140	30
2,4,6-Trichlorophenol	ND	130	64	64	0.0	61	62	1.6	30 - 130	30
2,4-Dichlorophenol	ND	130	64	62	3.2	58	61	5.0	30 - 130	30
2,4-Dimethylphenol	ND	230	67	66	1.5	61	66	7.9	30 - 130	30
2,4-Dinitrophenol	ND	230	68	69	1.5	60	66	9.5	30 - 130	30
2,4-Dinitrotoluene	ND	130	70	70	0.0	62	65	4.7	30 - 130	30
2,6-Dinitrotoluene	ND	130	65	65	0.0	57	59	3.4	40 - 140	30
2-Chloronaphthalene	ND	230	57	58	1.7	51	55	7.5	40 - 140	30
2-Chlorophenol	ND	230	60	59	1.7	55	60	8.7	30 - 130	30
2-Methylnaphthalene	ND	230	58	57	1.7	52	56	7.4	40 - 140	30
2-Methylphenol (o-cresol)	ND	230	66	64	3.1	58	64	9.8	40 - 140	30
2-Nitroaniline	ND	330	86	85	1.2	69	75	8.3	40 - 140	30
2-Nitrophenol	ND	230	59	58	1.7	56	57	1.8	40 - 140	30
3&4-Methylphenol (m&p-cresol)	ND	230	54	55	1.8	49	55	11.5	30 - 130	30
3,3'-Dichlorobenzidine	ND	130	61	60	1.7	55	57	3.6	40 - 140	30
3-Nitroaniline	ND	330	74	74	0.0	64	67	4.6	40 - 140	30
4,6-Dinitro-2-methylphenol	ND	230	70	66	5.9	59	60	1.7	30 - 130	30
4-Bromophenyl phenyl ether	ND	230	65	68	4.5	56	58	3.5	40 - 140	30
4-Chloro-3-methylphenol	ND	230	69	66	4.4	60	64	6.5	30 - 130	30
4-Chloroaniline	ND	230	59	62	5.0	54	58	7.1	40 - 140	30
4-Chlorophenyl phenyl ether	ND	230	61	61	0.0	53	56	5.5	40 - 140	30
4-Nitroaniline	ND	230	66	64	3.1	59	60	1.7	40 - 140	30
4-Nitrophenol	ND	230	68	68	0.0	61	65	6.3	30 - 130	30
Acenaphthene	ND	230	60	60	0.0	54	56	3.6	30 - 130	30
Acenaphthylene	ND	130	51	51	0.0	46	48	4.3	40 - 140	30
Acetophenone	ND	230	51	51	0.0	45	51	12.5	40 - 140	30
Aniline	ND	330	52	51	1.9	41	45	9.3	40 - 140	30
Anthracene	ND	230	66	67	1.5	58	61	5.0	40 - 140	30
Benz(a)anthracene	ND	230	64	64	0.0	57	59	3.4	40 - 140	30
Benzidine	ND	330	76	82	7.6	19	16	17.1	40 - 140	30 m
Benzo(a)pyrene	ND	130	68	69	1.5	59	62	5.0	40 - 140	30
Benzo(b)fluoranthene	ND	160	63	63	0.0	51	54	5.7	40 - 140	30
Benzo(ghi)perylene	ND	230	72	71	1.4	63	60	4.9	40 - 140	30
Benzo(k)fluoranthene	ND	230	60	61	1.7	50	52	3.9	40 - 140	30
Benzoic Acid	ND	670	51	53	3.8	61	61	0.0	30 - 130	30
Benzyl butyl phthalate	ND	230	64	66	3.1	56	57	1.8	40 - 140	30
Bis(2-chloroethoxy)methane	ND	230	56	56	0.0	51	53	3.8	40 - 140	30
Bis(2-chloroethyl)ether	ND	130	52	54	3.8	49	53	7.8	40 - 140	30
Bis(2-ethylhexyl)phthalate	ND	230	64	68	6.1	56	56	0.0	40 - 140	30
Carbazole	ND	230	68	69	1.5	57	60	5.1	40 - 140	30
Chrysene	ND	230	59	60	1.7	51	52	1.9	40 - 140	30
Dibenz(a,h)anthracene	ND	130	69	68	1.5	61	59	3.3	40 - 140	30
Dibenzofuran	ND	230	59	60	1.7	54	56	3.6	40 - 140	30

QA/QC Data

SDG I.D.: GCR96654

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Diethyl phthalate	ND	230	68	67	1.5	58	61	5.0	40 - 140	30
Dimethylphthalate	ND	230	62	64	3.2	55	57	3.6	40 - 140	30
Di-n-butylphthalate	ND	670	71	73	2.8	61	62	1.6	40 - 140	30
Di-n-octylphthalate	ND	230	69	70	1.4	59	59	0.0	40 - 140	30
Fluoranthene	ND	230	67	69	2.9	59	60	1.7	40 - 140	30
Fluorene	ND	230	62	62	0.0	55	60	8.7	40 - 140	30
Hexachlorobenzene	ND	130	68	69	1.5	60	62	3.3	40 - 140	30
Hexachlorobutadiene	ND	230	54	55	1.8	51	53	3.8	40 - 140	30
Hexachlorocyclopentadiene	ND	230	49	48	2.1	45	44	2.2	40 - 140	30
Hexachloroethane	ND	130	52	51	1.9	48	50	4.1	40 - 140	30
Indeno(1,2,3-cd)pyrene	ND	230	65	65	0.0	60	60	0.0	40 - 140	30
Isophorone	ND	130	55	53	3.7	48	51	6.1	40 - 140	30
Naphthalene	ND	230	53	52	1.9	49	51	4.0	40 - 140	30
Nitrobenzene	ND	130	57	56	1.8	51	56	9.3	40 - 140	30
N-Nitrosodimethylamine	ND	230	43	42	2.4	30	29	3.4	40 - 140	30 m
N-Nitrosodi-n-propylamine	ND	130	57	57	0.0	51	57	11.1	40 - 140	30
N-Nitrosodiphenylamine	ND	130	62	62	0.0	54	56	3.6	40 - 140	30
Pentachloronitrobenzene	ND	230	54	56	3.6	47	48	2.1	40 - 140	30
Pentachlorophenol	ND	230	72	73	1.4	68	75	9.8	30 - 130	30
Phenanthrene	ND	130	66	66	0.0	58	62	6.7	40 - 140	30
Phenol	ND	230	63	61	3.2	55	61	10.3	30 - 130	30
Pyrene	ND	230	63	66	4.7	55	56	1.8	30 - 130	30
Pyridine	ND	230	34	32	6.1	26	22	16.7	40 - 140	30 l,m
% 2,4,6-Tribromophenol	62	%	64	65	1.6	60	60	0.0	30 - 130	30
% 2-Fluorobiphenyl	55	%	55	57	3.6	50	53	5.8	30 - 130	30
% 2-Fluorophenol	50	%	54	55	1.8	47	53	12.0	30 - 130	30
% Nitrobenzene-d5	50	%	55	55	0.0	51	55	7.5	30 - 130	30
% Phenol-d5	46	%	55	56	1.8	50	55	9.5	30 - 130	30
% Terphenyl-d14	56	%	60	64	6.5	47	47	0.0	30 - 130	30

Comment:

Additional 8270 criteria: 10% 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 756703 (ug/L), QC Sample No: CR97042 (CR96658, CR96659, CR96664)

Semivolatiles (SIM) - Ground Water

2-Methylnaphthalene	ND	0.50	62	63	1.6				30 - 130	20
Acenaphthene	ND	0.50	81	78	3.8				30 - 130	20
Acenaphthylene	ND	0.50	63	61	3.2				30 - 130	20
Anthracene	ND	0.50	72	71	1.4				30 - 130	20
Benz(a)anthracene	ND	0.50	85	83	2.4				30 - 130	20
Benzo(a)pyrene	ND	0.50	80	78	2.5				30 - 130	20
Benzo(b)fluoranthene	ND	0.50	78	75	3.9				30 - 130	20
Benzo(ghi)perylene	ND	0.50	76	71	6.8				30 - 130	20
Benzo(k)fluoranthene	ND	0.50	79	78	1.3				30 - 130	20
Chrysene	ND	0.50	73	71	2.8				30 - 130	20
Dibenz(a,h)anthracene	ND	0.50	82	78	5.0				30 - 130	20
Fluoranthene	ND	0.50	72	72	0.0				30 - 130	20
Fluorene	ND	0.50	72	72	0.0				30 - 130	20
Hexachlorobenzene	ND	0.50	79	78	1.3				30 - 130	20
Hexachlorobutadiene	ND	0.50	63	62	1.6				30 - 130	20
Hexachlorocyclopentadiene	ND	0.50	29	31	6.7				30 - 130	20 i
Indeno(1,2,3-cd)pyrene	ND	0.50	75	71	5.5				30 - 130	20
Naphthalene	ND	0.50	71	70	1.4				30 - 130	20

QA/QC Data

SDG I.D.: GCR96654

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Nitrobenzene	ND	0.50	68	73	7.1				30 - 130	20
N-Nitrosodimethylamine	ND	0.05	65	66	1.5				30 - 130	20
Pentachlorophenol	ND	0.50	12	17	34.5				30 - 130	20
Phenanthrene	ND	0.50	81	80	1.2				30 - 130	20
Pyrene	ND	0.50	72	70	2.8				30 - 130	20
Pyridine	ND	0.50	55	45	20.0				30 - 130	20
% 2,4,6-Tribromophenol	85	%	69	73	5.6				15 - 110	20
% 2-Fluorobiphenyl	71	%	63	61	3.2				30 - 130	20
% 2-Fluorophenol	77	%	64	65	1.6				15 - 110	20
% Nitrobenzene-d5	78	%	72	75	4.1				30 - 130	20
% Phenol-d5	94	%	78	82	5.0				15 - 110	20
% Terphenyl-d14	81	%	67	67	0.0				30 - 130	20

Comment:

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

QA/QC Batch 756435 (ug/L), QC Sample No: CR96429 (CR96654, CR96658, CR96659, CR96664)

Volatiles - Water, Ground Water

1,1,1,2-Tetrachloroethane	ND	1.0	114	109	4.5				70 - 130	20
1,1,1-Trichloroethane	ND	1.0	104	98	5.9				70 - 130	20
1,1,2,2-Tetrachloroethane	ND	0.50	108	105	2.8				70 - 130	20
1,1,2-Trichloroethane	ND	1.0	108	102	5.7				70 - 130	20
1,1-Dichloroethane	ND	1.0	107	102	4.8				70 - 130	20
1,1-Dichloroethene	ND	1.0	101	97	4.0				70 - 130	20
1,1-Dichloropropene	ND	1.0	104	96	8.0				70 - 130	20
1,2,3-Trichlorobenzene	ND	1.0	114	106	7.3				70 - 130	20
1,2,3-Trichloropropane	ND	1.0	100	96	4.1				70 - 130	20
1,2,4-Trichlorobenzene	ND	1.0	111	105	5.6				70 - 130	20
1,2,4-Trimethylbenzene	ND	1.0	109	104	4.7				70 - 130	20
1,2-Dibromo-3-chloropropane	ND	1.0	121	109	10.4				70 - 130	20
1,2-Dibromoethane	ND	1.0	108	105	2.8				70 - 130	20
1,2-Dichlorobenzene	ND	1.0	110	104	5.6				70 - 130	20
1,2-Dichloroethane	ND	1.0	106	101	4.8				70 - 130	20
1,2-Dichloropropane	ND	1.0	114	105	8.2				70 - 130	20
1,3,5-Trimethylbenzene	ND	1.0	108	102	5.7				70 - 130	20
1,3-Dichlorobenzene	ND	1.0	109	104	4.7				70 - 130	20
1,3-Dichloropropane	ND	1.0	108	104	3.8				70 - 130	20
1,4-Dichlorobenzene	ND	1.0	108	103	4.7				70 - 130	20
2,2-Dichloropropane	ND	1.0	110	103	6.6				70 - 130	20
2-Chlorotoluene	ND	1.0	109	104	4.7				70 - 130	20
2-Hexanone	ND	5.0	101	93	8.2				70 - 130	20
2-Isopropyltoluene	ND	1.0	111	105	5.6				70 - 130	20
4-Chlorotoluene	ND	1.0	108	103	4.7				70 - 130	20
4-Methyl-2-pentanone	ND	5.0	104	96	8.0				70 - 130	20
Acetone	ND	5.0	88	85	3.5				70 - 130	20
Acrylonitrile	ND	5.0	103	98	5.0				70 - 130	20
Benzene	ND	0.70	110	102	7.5				70 - 130	20
Bromobenzene	ND	1.0	109	105	3.7				70 - 130	20
Bromochloromethane	ND	1.0	106	101	4.8				70 - 130	20
Bromodichloromethane	ND	0.50	114	107	6.3				70 - 130	20
Bromoform	ND	1.0	122	114	6.8				70 - 130	20
Bromomethane	ND	1.0	141	139	1.4				70 - 130	20
Carbon Disulfide	ND	1.0	106	100	5.8				70 - 130	20

QA/QC Data

SDG I.D.: GCR96654

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Carbon tetrachloride	ND	1.0	106	100	5.8				70 - 130	20
Chlorobenzene	ND	1.0	110	104	5.6				70 - 130	20
Chloroethane	ND	1.0	113	107	5.5				70 - 130	20
Chloroform	ND	1.0	100	104	3.9				70 - 130	20
Chloromethane	ND	1.0	135	129	4.5				70 - 130	20
cis-1,2-Dichloroethene	ND	1.0	107	102	4.8				70 - 130	20
cis-1,3-Dichloropropene	ND	0.40	115	108	6.3				70 - 130	20
Dibromochloromethane	ND	0.50	118	111	6.1				70 - 130	20
Dibromomethane	ND	1.0	109	101	7.6				70 - 130	20
Dichlorodifluoromethane	ND	1.0	135	125	7.7				70 - 130	20
Ethylbenzene	ND	1.0	109	103	5.7				70 - 130	20
Hexachlorobutadiene	ND	0.40	109	103	5.7				70 - 130	20
Isopropylbenzene	ND	1.0	109	103	5.7				70 - 130	20
m&p-Xylene	ND	1.0	107	102	4.8				70 - 130	20
Methyl ethyl ketone	ND	5.0	99	98	1.0				70 - 130	20
Methyl t-butyl ether (MTBE)	ND	1.0	101	99	2.0				70 - 130	20
Methylene chloride	ND	1.0	105	101	3.9				70 - 130	20
Naphthalene	ND	1.0	113	108	4.5				70 - 130	20
n-Butylbenzene	ND	1.0	109	102	6.6				70 - 130	20
n-Propylbenzene	ND	1.0	109	102	6.6				70 - 130	20
o-Xylene	ND	1.0	109	104	4.7				70 - 130	20
p-Isopropyltoluene	ND	1.0	108	103	4.7				70 - 130	20
sec-Butylbenzene	ND	1.0	106	100	5.8				70 - 130	20
Styrene	ND	1.0	108	104	3.8				70 - 130	20
tert-Butylbenzene	ND	1.0	107	101	5.8				70 - 130	20
Tetrachloroethene	ND	1.0	110	101	8.5				70 - 130	20
Tetrahydrofuran (THF)	ND	2.5	98	94	4.2				70 - 130	20
Toluene	ND	1.0	111	103	7.5				70 - 130	20
trans-1,2-Dichloroethene	ND	1.0	107	100	6.8				70 - 130	20
trans-1,3-Dichloropropene	ND	0.40	117	109	7.1				70 - 130	20
trans-1,4-dichloro-2-butene	ND	5.0	132	127	3.9				70 - 130	20
Trichloroethene	ND	1.0	110	101	8.5				70 - 130	20
Trichlorofluoromethane	ND	1.0	103	97	6.0				70 - 130	20
Trichlorotrifluoroethane	ND	1.0	101	95	6.1				70 - 130	20
Vinyl chloride	ND	1.0	114	108	5.4				70 - 130	20
% 1,2-dichlorobenzene-d4	96	%	100	101	1.0				70 - 130	20
% Bromofluorobenzene	98	%	100	100	0.0				70 - 130	20
% Dibromofluoromethane	99	%	99	99	0.0				70 - 130	20
% Toluene-d8	95	%	103	102	1.0				70 - 130	20

Comment:

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

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

QA/QC Batch 756791 (ug/kg), QC Sample No: CR97602 (CR96665)

Volatiles - Soil (Low Level)

1,1,1,2-Tetrachloroethane	ND	5.0	103	111	7.5				70 - 130	20
1,1,1-Trichloroethane	ND	5.0	102	108	5.7				70 - 130	20
1,1,2-Trichloroethane	ND	5.0	97	106	8.9				70 - 130	20
1,1-Dichloroethane	ND	5.0	90	97	7.5				70 - 130	20
1,1-Dichloroethene	ND	5.0	88	95	7.7				70 - 130	20
1,1-Dichloropropene	ND	5.0	102	111	8.5				70 - 130	20
1,2-Dibromoethane	ND	5.0	99	109	9.6				70 - 130	20

QA/QC Data

SDG I.D.: GCR96654

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,2-Dichloroethane	ND	5.0	96	105	9.0				70 - 130	20
1,2-Dichloropropane	ND	5.0	99	106	6.8				70 - 130	20
1,3-Dichloropropane	ND	5.0	100	108	7.7				70 - 130	20
2,2-Dichloropropane	ND	5.0	107	116	8.1				70 - 130	20
2-Hexanone	ND	25	95	112	16.4				70 - 130	20
4-Methyl-2-pentanone	ND	25	97	112	14.4				70 - 130	20
Acetone	ND	10	77	88	13.3				70 - 130	20
Acrylonitrile	ND	5.0	85	97	13.2				70 - 130	20
Benzene	ND	1.0	95	102	7.1				70 - 130	20
Bromochloromethane	ND	5.0	97	106	8.9				70 - 130	20
Bromodichloromethane	ND	5.0	104	112	7.4				70 - 130	20
Bromoform	ND	5.0	102	113	10.2				70 - 130	20
Bromomethane	ND	5.0	79	81	2.5				70 - 130	20
Carbon Disulfide	ND	5.0	93	100	7.3				70 - 130	20
Carbon tetrachloride	ND	5.0	98	110	11.5				70 - 130	20
Chlorobenzene	ND	5.0	97	104	7.0				70 - 130	20
Chloroethane	ND	5.0	79	84	6.1				70 - 130	20
Chloroform	ND	5.0	98	106	7.8				70 - 130	20
Chloromethane	ND	5.0	102	113	10.2				70 - 130	20
cis-1,2-Dichloroethene	ND	5.0	98	105	6.9				70 - 130	20
cis-1,3-Dichloropropene	ND	5.0	109	119	8.8				70 - 130	20
Dibromochloromethane	ND	3.0	105	114	8.2				70 - 130	20
Dibromomethane	ND	5.0	96	105	9.0				70 - 130	20
Dichlorodifluoromethane	ND	5.0	91	103	12.4				70 - 130	20
Ethylbenzene	ND	1.0	95	103	8.1				70 - 130	20
m&p-Xylene	ND	2.0	97	103	6.0				70 - 130	20
Methyl ethyl ketone	ND	5.0	88	104	16.7				70 - 130	20
Methyl t-butyl ether (MTBE)	ND	1.0	89	100	11.6				70 - 130	20
Methylene chloride	ND	5.0	80	87	8.4				70 - 130	20
o-Xylene	ND	2.0	97	105	7.9				70 - 130	20
Styrene	ND	5.0	99	110	10.5				70 - 130	20
Tetrachloroethene	ND	5.0	97	105	7.9				70 - 130	20
Tetrahydrofuran (THF)	ND	5.0	92	108	16.0				70 - 130	20
Toluene	ND	1.0	95	101	6.1				70 - 130	20
trans-1,2-Dichloroethene	ND	5.0	90	97	7.5				70 - 130	20
trans-1,3-Dichloropropene	ND	5.0	110	122	10.3				70 - 130	20
Trichloroethene	ND	5.0	98	106	7.8				70 - 130	20
Trichlorofluoromethane	ND	5.0	85	91	6.8				70 - 130	20
Trichlorotrifluoroethane	ND	5.0	91	99	8.4				70 - 130	20
Vinyl chloride	ND	5.0	95	99	4.1				70 - 130	20
% 1,2-dichlorobenzene-d4	99	%	99	100	1.0				70 - 130	20
% Bromofluorobenzene	100	%	100	101	1.0				70 - 130	20
% Dibromofluoromethane	95	%	101	102	1.0				70 - 130	20
% Toluene-d8	108	%	101	101	0.0				70 - 130	20

Comment:

The 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%.

QA/QC Batch 756791H (ug/kg), QC Sample No: CR97602 50X (CR96665 (50X) , CR96667 (50X))

Volatiles - Soil (High Level)

1,1,2,2-Tetrachloroethane	ND	250	107	110	2.8				70 - 130	20
1,2,3-Trichlorobenzene	ND	250	107	109	1.9				70 - 130	20

QA/QC Data

SDG I.D.: GCR96654

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,2,3-Trichloropropane	ND	250	109	96	12.7				70 - 130	20
1,2,4-Trichlorobenzene	ND	250	113	116	2.6				70 - 130	20
1,2,4-Trimethylbenzene	ND	250	109	110	0.9				70 - 130	20
1,2-Dibromo-3-chloropropane	ND	250	102	104	1.9				70 - 130	20
1,2-Dichlorobenzene	ND	250	105	107	1.9				70 - 130	20
1,3,5-Trimethylbenzene	ND	250	109	110	0.9				70 - 130	20
1,3-Dichlorobenzene	ND	250	106	107	0.9				70 - 130	20
1,4-Dichlorobenzene	ND	250	106	107	0.9				70 - 130	20
2-Chlorotoluene	ND	250	105	105	0.0				70 - 130	20
2-Isopropyltoluene	ND	250	108	110	1.8				70 - 130	20
4-Chlorotoluene	ND	250	106	108	1.9				70 - 130	20
Bromobenzene	ND	250	102	103	1.0				70 - 130	20
Hexachlorobutadiene	ND	250	111	113	1.8				70 - 130	20
Isopropylbenzene	ND	250	104	106	1.9				70 - 130	20
Naphthalene	ND	250	109	113	3.6				70 - 130	20
n-Butylbenzene	ND	250	114	116	1.7				70 - 130	20
n-Propylbenzene	ND	250	104	105	1.0				70 - 130	20
p-Isopropyltoluene	ND	250	111	113	1.8				70 - 130	20
sec-Butylbenzene	ND	250	107	108	0.9				70 - 130	20
tert-Butylbenzene	ND	250	107	108	0.9				70 - 130	20
trans-1,4-dichloro-2-butene	ND	250	107	118	9.8				70 - 130	20
% 1,2-dichlorobenzene-d4	99	%	100	100	0.0				70 - 130	20
% Bromofluorobenzene	107	%	108	109	0.9				70 - 130	20
% Dibromofluoromethane	94	%	101	99	2.0				70 - 130	20
% Toluene-d8	108	%	102	102	0.0				70 - 130	20

Comment:

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

QA/QC Batch 756603 (ug/kg), QC Sample No: CR98116 (CR96656, CR96660, CR96662, CR96667, CR96669)

Volatiles - Soil (Low Level)

1,1,1,2-Tetrachloroethane	ND	5.0	114	110	3.6	88	96	8.7	70 - 130	20	
1,1,1-Trichloroethane	ND	5.0	114	110	3.6	99	104	4.9	70 - 130	20	
1,1,2,2-Tetrachloroethane	ND	3.0	110	106	3.7	89	101	12.6	70 - 130	20	
1,1,2-Trichloroethane	ND	5.0	107	105	1.9	89	97	8.6	70 - 130	20	
1,1-Dichloroethane	ND	5.0	86	75	13.7	72	74	2.7	70 - 130	20	
1,1-Dichloroethene	ND	5.0	112	108	3.6	90	93	3.3	70 - 130	20	
1,1-Dichloropropene	ND	5.0	113	109	3.6	97	101	4.0	70 - 130	20	
1,2,3-Trichlorobenzene	ND	5.0	112	108	3.6	42	45	6.9	70 - 130	20	m
1,2,3-Trichloropropane	ND	5.0	109	107	1.9	86	96	11.0	70 - 130	20	
1,2,4-Trichlorobenzene	ND	5.0	115	109	5.4	44	48	8.7	70 - 130	20	m
1,2,4-Trimethylbenzene	ND	1.0	114	109	4.5	74	80	7.8	70 - 130	20	
1,2-Dibromo-3-chloropropane	ND	5.0	121	118	2.5	78	94	18.6	70 - 130	20	
1,2-Dibromoethane	ND	5.0	114	107	6.3	90	97	7.5	70 - 130	20	
1,2-Dichlorobenzene	ND	5.0	108	105	2.8	64	70	9.0	70 - 130	20	m
1,2-Dichloroethane	ND	5.0	108	102	5.7	95	100	5.1	70 - 130	20	
1,2-Dichloropropane	ND	5.0	108	104	3.8	96	102	6.1	70 - 130	20	
1,3,5-Trimethylbenzene	ND	1.0	117	112	4.4	80	85	6.1	70 - 130	20	
1,3-Dichlorobenzene	ND	5.0	108	104	3.8	66	71	7.3	70 - 130	20	m
1,3-Dichloropropane	ND	5.0	111	107	3.7	94	101	7.2	70 - 130	20	
1,4-Dichlorobenzene	ND	5.0	108	104	3.8	64	70	9.0	70 - 130	20	m
2,2-Dichloropropane	ND	5.0	121	115	5.1	104	106	1.9	70 - 130	20	
2-Chlorotoluene	ND	5.0	110	106	3.7	79	84	6.1	70 - 130	20	
2-Hexanone	ND	25	113	111	1.8	81	94	14.9	70 - 130	20	

QA/QC Data

SDG I.D.: GCR96654

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
2-Isopropyltoluene	ND	5.0	116	112	3.5	75	78	3.9	70 - 130	20
4-Chlorotoluene	ND	5.0	108	104	3.8	76	81	6.4	70 - 130	20
4-Methyl-2-pentanone	ND	25	112	112	0.0	88	103	15.7	70 - 130	20
Acetone	ND	10	102	96	6.1	70	77	9.5	70 - 130	20
Acrylonitrile	ND	5.0	81	77	5.1	63	71	11.9	70 - 130	20 m
Benzene	ND	1.0	106	102	3.8	91	97	6.4	70 - 130	20
Bromobenzene	ND	5.0	107	104	2.8	78	85	8.6	70 - 130	20
Bromochloromethane	ND	5.0	111	105	5.6	92	97	5.3	70 - 130	20
Bromodichloromethane	ND	5.0	115	111	3.5	95	102	7.1	70 - 130	20
Bromoform	ND	5.0	120	114	5.1	77	89	14.5	70 - 130	20
Bromomethane	ND	5.0	93	89	4.4	75	80	6.5	70 - 130	20
Carbon Disulfide	ND	5.0	119	114	4.3	89	93	4.4	70 - 130	20
Carbon tetrachloride	ND	5.0	115	113	1.8	92	98	6.3	70 - 130	20
Chlorobenzene	ND	5.0	108	103	4.7	79	85	7.3	70 - 130	20
Chloroethane	ND	5.0	97	88	9.7	82	82	0.0	70 - 130	20
Chloroform	ND	5.0	112	106	5.5	95	100	5.1	70 - 130	20
Chloromethane	ND	5.0	117	114	2.6	114	115	0.9	70 - 130	20
cis-1,2-Dichloroethene	ND	5.0	110	106	3.7	94	100	6.2	70 - 130	20
cis-1,3-Dichloropropene	ND	5.0	119	115	3.4	96	105	9.0	70 - 130	20
Dibromochloromethane	ND	3.0	119	113	5.2	89	99	10.6	70 - 130	20
Dibromomethane	ND	5.0	108	104	3.8	90	97	7.5	70 - 130	20
Dichlorodifluoromethane	ND	5.0	115	111	3.5	105	101	3.9	70 - 130	20
Ethylbenzene	ND	1.0	106	102	3.8	80	84	4.9	70 - 130	20
Hexachlorobutadiene	ND	5.0	114	111	2.7	39	39	0.0	70 - 130	20 m
Isopropylbenzene	ND	1.0	111	109	1.8	86	91	5.6	70 - 130	20
m&p-Xylene	ND	2.0	108	103	4.7	77	81	5.1	70 - 130	20
Methyl ethyl ketone	ND	5.0	107	103	3.8	80	92	14.0	70 - 130	20
Methyl t-butyl ether (MTBE)	ND	1.0	114	110	3.6	88	96	8.7	70 - 130	20
Methylene chloride	ND	5.0	102	98	4.0	82	87	5.9	70 - 130	20
Naphthalene	ND	5.0	122	120	1.7	50	58	14.8	70 - 130	20 m
n-Butylbenzene	ND	1.0	117	112	4.4	61	64	4.8	70 - 130	20 m
n-Propylbenzene	ND	1.0	110	106	3.7	78	82	5.0	70 - 130	20
o-Xylene	ND	2.0	108	104	3.8	80	85	6.1	70 - 130	20
p-Isopropyltoluene	ND	1.0	117	112	4.4	70	74	5.6	70 - 130	20
sec-Butylbenzene	ND	1.0	115	111	3.5	72	75	4.1	70 - 130	20
Styrene	ND	5.0	110	108	1.8	77	84	8.7	70 - 130	20
tert-Butylbenzene	ND	1.0	114	110	3.6	80	83	3.7	70 - 130	20
Tetrachloroethene	ND	5.0	106	103	2.9	80	84	4.9	70 - 130	20
Tetrahydrofuran (THF)	ND	5.0	114	107	6.3	90	101	11.5	70 - 130	20
Toluene	ND	1.0	103	100	3.0	85	91	6.8	70 - 130	20
trans-1,2-Dichloroethene	ND	5.0	114	110	3.6	88	95	7.7	70 - 130	20
trans-1,3-Dichloropropene	ND	5.0	123	120	2.5	92	103	11.3	70 - 130	20
trans-1,4-dichloro-2-butene	ND	5.0	130	127	2.3	88	105	17.6	70 - 130	20
Trichloroethene	ND	5.0	109	104	4.7	88	93	5.5	70 - 130	20
Trichlorofluoromethane	ND	5.0	108	101	6.7	83	87	4.7	70 - 130	20
Trichlorotrifluoroethane	ND	5.0	114	110	3.6	88	90	2.2	70 - 130	20
Vinyl chloride	ND	5.0	113	111	1.8	100	103	3.0	70 - 130	20
% 1,2-dichlorobenzene-d4	100	%	100	101	1.0	99	100	1.0	70 - 130	20
% Bromofluorobenzene	99	%	99	99	0.0	99	99	0.0	70 - 130	20
% Dibromofluoromethane	96	%	106	101	4.8	102	101	1.0	70 - 130	20
% Toluene-d8	106	%	97	99	2.0	102	102	0.0	70 - 130	20

Comment:

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

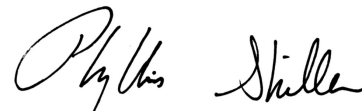
QA/QC Data

SDG I.D.: GCR96654

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

l = This parameter is outside laboratory LCS/LCSD specified recovery limits.
m = This parameter is outside laboratory MS/MSD specified recovery limits.
r = This parameter is outside laboratory RPD specified recovery limits.
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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


Phyllis Shiller, Laboratory Director
November 12, 2024

Tuesday, November 12, 2024

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

State: NY

Sample Criteria Exceedances Report

GCR96654 - GALLI-ENG

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CR96654	\$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CR96654	\$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CR96654	\$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CR96658	\$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CR96658	\$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CR96658	\$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CR96658	\$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.47	0.02	0.002	0.002	ug/L
CR96658	\$8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.20	0.02	0.002	0.002	ug/L
CR96658	\$8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.23	0.02	0.002	0.002	ug/L
CR96658	\$8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.14	0.02	0.002	0.002	ug/L
CR96658	\$8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.16	0.02	0.002	0.002	ug/L
CR96658	\$8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.20	0.02	0.002	0.002	ug/L
CR96658	\$8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.20	0.02	0.002	0.002	ug/L
CR96658	\$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	0.47	0.02	0.002	0.002	ug/L
CR96658	\$8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.14	0.02	0.002	0.002	ug/L
CR96658	\$8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.20	0.02	0.002	0.002	ug/L
CR96658	\$8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.16	0.02	0.002	0.002	ug/L
CR96658	\$PEST_GAWN	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.20	0.06	0.06	ug/L
CR96658	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	63.8	0.020	0.1	0.1	mg/L
CR96658	AS-WM	Arsenic	NY / TOGS - Water Quality / GA Criteria	0.134	0.004	0.025	0.025	mg/L
CR96658	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.124	0.001	0.05	0.05	mg/L
CR96658	CU-WM	Copper	NY / TOGS - Water Quality / GA Criteria	0.873	0.005	0.2	0.2	mg/L
CR96658	D-MG	Magnesium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	861	1.1	35	35	mg/L
CR96658	D-MN	Manganese (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.553	0.001	0.3	0.3	mg/L
CR96658	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	7050	110	20	20	mg/L
CR96658	D-PB	Lead (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.221	0.002	0.025	0.025	mg/L
CR96658	FE-WM	Iron	NY / TOGS - Water Quality / GA Criteria	57.8	0.010	0.3	0.3	mg/L
CR96658	HG-WM	Mercury	NY / TOGS - Water Quality / GA Criteria	0.0027	0.0002	0.0007	0.0007	mg/L
CR96658	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	911	1.0	35	35	mg/L
CR96658	MN-WM	Manganese	NY / TOGS - Water Quality / GA Criteria	5.85	0.001	0.3	0.3	mg/L
CR96658	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	7390	100	20	20	mg/L
CR96658	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	95.7	0.10	0.025	0.025	mg/L
CR96658	SB-WM	Antimony	NY / TOGS - Water Quality / GA Criteria	0.014	0.003	0.003	0.003	mg/L
CR96658	TCLP-PB	TCLP Lead	NY / TOGS - Water Quality / GA Criteria	0.130	0.020	0.025	0.025	mg/L
CR96659	\$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CR96659	\$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CR96659	\$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CR96659	\$8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CR96659	\$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CR96659	\$8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L

Tuesday, November 12, 2024

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

State: NY

Sample Criteria Exceedances Report

GCR96654 - GALLI-ENG

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CR96659	\$8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002	ug/L
CR96659	\$8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CR96659	\$8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CR96659	\$8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CR96659	\$8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CR96659	\$8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CR96659	\$8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CR96659	\$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CR96659	\$PEST_GAWN	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.19	0.06	0.06	ug/L
CR96659	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	49.7	0.020	0.1	0.1	mg/L
CR96659	AS-WM	Arsenic	NY / TOGS - Water Quality / GA Criteria	0.090	0.004	0.025	0.025	mg/L
CR96659	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.201	0.001	0.05	0.05	mg/L
CR96659	CU-WM	Copper	NY / TOGS - Water Quality / GA Criteria	1.40	0.005	0.2	0.2	mg/L
CR96659	D-MG	Magnesium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	930	1.1	35	35	mg/L
CR96659	D-MN	Manganese (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.343	0.001	0.3	0.3	mg/L
CR96659	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	7480	110	20	20	mg/L
CR96659	FE-WM	Iron	NY / TOGS - Water Quality / GA Criteria	83.9	0.010	0.3	0.3	mg/L
CR96659	HG-WM	Mercury	NY / TOGS - Water Quality / GA Criteria	0.0015	0.0002	0.0007	0.0007	mg/L
CR96659	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	959	1.0	35	35	mg/L
CR96659	MN-WM	Manganese	NY / TOGS - Water Quality / GA Criteria	2.11	0.001	0.3	0.3	mg/L
CR96659	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	8160	100	20	20	mg/L
CR96659	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	1.95	0.001	0.025	0.025	mg/L
CR96659	SB-WM	Antimony	NY / TOGS - Water Quality / GA Criteria	0.009	0.003	0.003	0.003	mg/L
CR96661	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.75	0.03	0.18	0.18	mg/Kg
CR96663	\$PCB_SMR	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	190	72	100	100	ug/Kg
CR96663	\$PESTSM_NY	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	22	2.2	3.3	3.3	ug/Kg
CR96663	\$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	6.0	2.2	3.3	3.3	ug/Kg
CR96663	\$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	13	2.2	3.3	3.3	ug/Kg
CR96663	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	222	0.7	50	50	mg/kg
CR96663	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	2.25	0.07	0.81	0.81	mg/Kg
CR96663	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	2.25	0.07	0.81	0.81	mg/Kg
CR96663	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	2.25	0.07	0.18	0.18	mg/Kg
CR96663	PB-SM	Lead	NY / 375-6.8 Metals / Residential	954	0.34	400	400	mg/Kg
CR96663	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	954	0.34	400	400	mg/Kg
CR96663	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	954	0.34	63	63	mg/Kg
CR96663	TCLP-PB	TCLP Lead	NY / TOGS - Water Quality / GA Criteria	1.70	0.020	0.025	0.025	mg/L
CR96663	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	136	0.7	109	109	mg/Kg
CR96664	\$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CR96664	\$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CR96664	\$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L

Tuesday, November 12, 2024

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

State: NY

Sample Criteria Exceedances Report

GCR96654 - GALLI-ENG

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CR96664	\$8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.34	0.02	0.002	0.002	ug/L
CR96664	\$8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.30	0.02	0.002	0.002	ug/L
CR96664	\$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.18	0.02	0.002	0.002	ug/L
CR96664	\$8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.32	0.02	0.002	0.002	ug/L
CR96664	\$8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.27	0.02	0.002	0.002	ug/L
CR96664	\$8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.26	0.02	0.002	0.002	ug/L
CR96664	\$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	0.18	0.02	0.002	0.002	ug/L
CR96664	\$8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.34	0.02	0.002	0.002	ug/L
CR96664	\$8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.27	0.02	0.002	0.002	ug/L
CR96664	\$8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.30	0.02	0.002	0.002	ug/L
CR96664	\$8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.26	0.02	0.002	0.002	ug/L
CR96664	\$PEST_GAWN	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.19	0.06	0.06	ug/L
CR96664	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	1.81	0.020	0.1	0.1	mg/L
CR96664	D-MG	Magnesium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	927	1.1	35	35	mg/L
CR96664	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	7900	110	20	20	mg/L
CR96664	FE-WM	Iron	NY / TOGS - Water Quality / GA Criteria	1.93	0.010	0.3	0.3	mg/L
CR96664	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	942	1.0	35	35	mg/L
CR96664	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	8070	100	20	20	mg/L
CR96664	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.279	0.001	0.025	0.025	mg/L
CR96666	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	222	0.8	50	50	mg/kg
CR96666	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.34	0.03	0.18	0.18	mg/Kg
CR96666	PB-SM	Lead	NY / 375-6.8 Metals / Commercial	3980	0.39	1000	1000	mg/Kg
CR96666	PB-SM	Lead	NY / 375-6.8 Metals / Industrial	3980	0.39	3900	3900	mg/Kg
CR96666	PB-SM	Lead	NY / 375-6.8 Metals / Residential	3980	0.39	400	400	mg/Kg
CR96666	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	3980	0.39	400	400	mg/Kg
CR96666	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	3980	0.39	63	63	mg/Kg
CR96666	TCLP-PB	TCLP Lead	EPA / 40 CFR 261.24 / Toxicity Characteristics	19.9	0.020	5	5	mg/L
CR96666	TCLP-PB	TCLP Lead	NY / TOGS - Water Quality / GA Criteria	19.9	0.020	0.025	0.025	mg/L
CR96666	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	239	0.8	109	109	mg/Kg
CR96668	\$PCB_SMR	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	120	77	100	100	ug/Kg
CR96668	\$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	6.8	2.3	3.3	3.3	ug/Kg
CR96668	\$PESTSM_NY	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	9.4	2.3	3.3	3.3	ug/Kg
CR96668	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	91.9	0.7	50	50	mg/kg
CR96668	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.42	0.03	0.18	0.18	mg/Kg
CR96668	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	241	0.35	63	63	mg/Kg
CR96668	TCLP-PB	TCLP Lead	NY / TOGS - Water Quality / GA Criteria	0.15	0.020	0.025	0.025	mg/L
CR96668	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	119	0.7	109	109	mg/Kg
CR96669	\$8260SMRNY	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	100	35	50	50	ug/Kg
CR96670	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	95.7	0.35	63	63	mg/Kg

Tuesday, November 12, 2024

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

Sample Criteria Exceedances Report
GCR96654 - GALLI-ENG

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CR96670	TCLP-PB	TCLP Lead	NY / TOGS - Water Quality / GA Criteria	0.078	0.020	0.025	0.025	mg/L

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



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



Analysis Comments

November 12, 2024

SDG I.D.: GCR96654

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

PEST Narration

AU-ECD35 11/01/24-1: CR96657, CR96661

The following Continuing Calibration compounds did not meet % deviation criteria:

Samples: CR96661

Preceding CC N01B019 - Heptachlor epoxide 25%L (20%)

Succeeding CC N01B032 - Heptachlor epoxide 21%L (20%)

A low "1A" standard was run after the samples to demonstrate capability to detect any compounds outside of the CC acceptance criteria. All reported samples were ND for the affected compounds.

Samples: CR96657

Preceding CC N01B032 - Heptachlor epoxide 21%L (20%)

Succeeding CC N01B046 - Heptachlor epoxide 24%L (20%)

A low "1A" standard was run after the samples to demonstrate capability to detect any compounds outside of the CC acceptance criteria. All reported samples were ND for the affected compounds.

AU-ECD35 11/05/24-1: CR96658, CR96659, CR96664, CR96670

The following Continuing Calibration compounds did not meet % deviation criteria:

Samples: CR96658, CR96659, CR96664, CR96670

Preceding CC N05B004 - Heptachlor epoxide 24%L (20%)

Succeeding CC N05B027 - Heptachlor epoxide 22%L (20%)

A low "1A" standard was run after the samples to demonstrate capability to detect any compounds outside of the CC acceptance criteria. All reported samples were ND for the affected compounds.

AU-ECD4 11/04/24-1: CR96663, CR96666, CR96668

The following Continuing Calibration compounds did not meet % deviation criteria:

Samples: CR96663, CR96666, CR96668

Preceding CC N04A020 - % DCPB 41%L (20%), 4,4'-DDE 24%L (20%), Endosulfan sulfate 25%L (20%), Endrin Ketone 25%L (20%), Methoxychlor 26%L (20%)

Succeeding CC N04A027 - % DCPB 46%L (20%), % TCMX 23%L (20%), 4,4'-DDD 28%L (20%), 4,4'-DDE 37%L (20%), 4,4'-DDT 27%L (20%), A-CHLORDANE 26%L (20%), Endosulfan II 23%L (20%), Endosulfan sulfate 29%L (20%), Endrin Ketone 29%L (20%), Methoxychlor 34%L (20%)

A low "1A" standard was run after the samples to demonstrate capability to detect any compounds outside of the CC acceptance criteria. All reported samples were ND for the affected compounds.

Samples: CR96663, CR96666, CR96668

Preceding CC N04B020 - Methoxychlor 24%L (20%)

Succeeding CC N04B027 - 4,4'-DDD 23%L (20%), d-BHC 21%L (20%), Methoxychlor 27%L (20%)

A low "1A" standard was run after the samples to demonstrate capability to detect any compounds outside of the CC acceptance criteria. All reported samples were ND for the affected compounds.

SVOA Narration

CHEM19 10/31/24-3: CR96657



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Analysis Comments

November 12, 2024

SDG I.D.: GCR96654

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: Hexachlorobenzene 0.098 (0.1)

The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet % deviation criteria: 3,3'-Dichlorobenzidine 28%L (20%)

The following Continuing Calibration compounds did not meet Maximum % deviation criteria: None.

The following Continuing Calibration compounds did not meet recommended response factors: Hexachlorobenzene 0.098 (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%.

CHEM19 11/01/24-1: CR96661, CR96663, CR96666, CR96668, CR96670

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: Hexachlorobenzene 0.098 (0.1)

The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet % deviation criteria: 1,2,4,5-Tetrachlorobenzene 21%L (20%), 3,3'-Dichlorobenzidine 37%L (20%), Azobenzene 21%L (20%)

The following Continuing Calibration compounds did not meet Maximum % deviation criteria: None.

The following Continuing Calibration compounds did not meet recommended response factors: Bis(2-chloroethyl)ether 0.698 (0.7), Hexachlorobenzene 0.095 (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%.

CHEM36 11/06/24-2: CR96658, CR96659, CR96664

The following Continuing Calibration compounds did not meet % deviation criteria: Aniline 21%H (20%), Benzoic acid 29%H (20%)

The following Continuing Calibration compounds did not meet Maximum % deviation criteria: None.

The following Continuing Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.099 (0.1)

The following Continuing Calibration compounds did not meet minimum response factors: None.

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

VOA Narration

CHEM03 11/01/24-3: CR96656, CR96660, CR96662, CR96667, CR96669



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Analysis Comments

November 12, 2024

SDG I.D.: GCR96654

The following Initial Calibration compounds did not meet RSD% criteria: 1,2-Dibromo-3-chloropropane 23% (20%), Bromoform 25% (20%), Bromomethane 26% (20%), trans-1,3-Dichloropropene 22% (20%), trans-1,4-dichloro-2-butene 35% (20%)

The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

The following Initial Calibration compounds did not meet recommended response factors: 1,1,2-Trichloroethane 0.176 (0.2), Bromodichloromethane 0.266 (0.3), trans-1,3-Dichloropropene 0.267 (0.3)

The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet % deviation criteria: trans-1,4-dichloro-2-butene 27%H (20%)

The following Continuing Calibration compounds did not meet Maximum % deviation criteria: None.

The following Continuing Calibration compounds did not meet recommended response factors: 1,1,2-Trichloroethane 0.185 (0.2), Bromodichloromethane 0.296 (0.3)

The following Continuing Calibration compounds did not meet minimum response factors: None.

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

CHEM03 11/02/24-1: CR96665, CR96667

The following Initial Calibration compounds did not meet RSD% criteria: 1,2-Dibromo-3-chloropropane 23% (20%), Bromoform 25% (20%), Bromomethane 26% (20%), trans-1,3-Dichloropropene 22% (20%), trans-1,4-dichloro-2-butene 35% (20%)

The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

The following Initial Calibration compounds did not meet recommended response factors: 1,1,2-Trichloroethane 0.176 (0.2), Bromodichloromethane 0.266 (0.3), trans-1,3-Dichloropropene 0.267 (0.3)

The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet % deviation criteria: Acetone 23%L (20%), Bromomethane 34%L (20%), Chloroethane 28%L (20%), Chloromethane 27%L (20%), Dichlorodifluoromethane 30%L (20%), Trichlorofluoromethane 22%L (20%)

The following Continuing Calibration compounds did not meet Maximum % deviation criteria: None.

The following Continuing Calibration compounds did not meet recommended response factors: 1,1,2-Trichloroethane 0.166 (0.2), 1,2-Dichloropropene 0.193 (0.2), Bromodichloromethane 0.261 (0.3), Ethylbenzene 0.393 (0.4), trans-1,3-Dichloropropene 0.278 (0.3)

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%.

CHEM17 10/31/24-3: CR96654, CR96658, CR96659, CR96664

Chem 17 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 22% (20%), Acetone 26% (20%), Bromoform 26% (20%)

The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

The following Initial Calibration compounds did not meet recommended response factors: 1,1,2-Trichloroethane 0.150 (0.2), 1,2-Dibromoethane 0.159 (0.2), Acrylonitrile 0.048 (0.05), Bromoform 0.060 (0.1), Dibromochloromethane 0.171 (0.2), Tetrahydrofuran (THF) 0.030 (0.05), trans-1,3-Dichloropropene 0.250 (0.3)

The following Initial Calibration compounds did not meet minimum response factors: 1,2-Dibromo-3-chloropropane 0.038 (0.05), Acetone 0.039 (0.05), Acrylonitrile 0.048 (0.05), Methyl ethyl ketone 0.044 (0.05), Tetrahydrofuran (THF) 0.030 (0.05)

The following Continuing Calibration compounds did not meet recommended response factors: 1,1,2-Trichloroethane 0.154 (0.2), 1,2-Dibromoethane 0.168 (0.2), Acrylonitrile 0.046 (0.05), Bromoform 0.071 (0.1), Dibromochloromethane 0.195 (0.2), Tetrahydrofuran (THF) 0.029 (0.05), trans-1,3-Dichloropropene 0.277 (0.3)

The following Continuing Calibration compounds did not meet minimum response factors: 1,2-Dibromo-3-chloropropane 0.038 (0.05), Acetone 0.039 (0.05), Acrylonitrile 0.048 (0.05), Methyl ethyl ketone 0.044 (0.05), Tetrahydrofuran (THF) 0.030 (0.05)

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



Environmental Laboratories, Inc.
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NY Temperature Narration

November 12, 2024

SDG I.D.: GCR96654

The samples in this delivery group were received at 1.1°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

PHOENIX
Environmental Laboratories, Inc.

Customer:
Address:

Project:
Report to:
Invoice to:
QUOTE #:

Client Sample - Information - Identification

Analysis Request

Turnaround:
Time:

Matrix Code:
DW=Drinking Water
RW=Raw Water
B=Bulk

Customer's Signature

Relinquished by:

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040

Email: Makrina Nolan, makrina@phoenixlabs.com

Client Services (860) 645-1102

Project: Engineering Lab

Report to: Pat Gashgton

Invoice to: Seno Gashgton

Analysis Request

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Analysis Request

Turnaround:
Time:

Matrix Code:
DW=Drinking Water
RW=Raw Water
B=Bulk

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040

Email: Makrina Nolan, makrina@phoenixlabs.com

Page 2/2

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

Temp: °C Pg of

Contact Options:

Phone: ☐
Fax: ☐
Email: ☐

NY/NJ/PA CHAIN OF CUSTODY RECORD

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



Customer: Gallagher Project: Investigation of a Gas Leak at a Project P.O.

Address: 3300 Main St Report to: Sean Chen

Invoice to: Phoenix

QUOTE #: 10130124

This section MUST be completed with Bottle Quantities.

Sampler's Signature	Client Sample - Identification	Analysis Request
<u>[Signature]</u>	<u>50-5 Grab (9.5-10)</u>	<u>MS/MSD (May be billed at analysis unit rate)</u>
<u>906065</u>	<u>50-5 Grab (9.5-10)</u>	<u>MS/MSD</u>
<u>906066</u>	<u>50-5 Grab (9.5-10)</u>	<u>MS/MSD</u>
<u>906067</u>	<u>50-5 Grab (9.5-10)</u>	<u>MS/MSD</u>
<u>906068</u>	<u>50-5 Grab (9.5-10)</u>	<u>MS/MSD</u>
<u>906069</u>	<u>50-5 Grab (9.5-10)</u>	<u>MS/MSD</u>
<u>906070</u>	<u>50-5 Grab (9.5-10)</u>	<u>MS/MSD</u>

Relinquished by:	Accepted by:	Date:	Time:
<u>[Signature]</u>	<u>[Signature]</u>	<u>10/30/24</u>	<u>13:46</u>
<u>[Signature]</u>	<u>[Signature]</u>	<u>10/30/24</u>	<u>17:01</u>

Comments, Special Requirements or Regulations:

Phoenix Std Report ☒ EQUIS ☐
Excel ☒ NJ Hazsite EDD ☐
PDF ☒ NY EZ EDD (ASP) ☐
GIS/Key ☐ Other ☐

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

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

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

State Samples Collected? ☐

GCR 96054

Krystal Delgado

From: Krystal Delgado
Sent: Wednesday, October 30, 2024 7:44 PM
To: jcherlin@gallieng.com; rgalli@gallieng.com
Cc: Ben Horton
Subject: TB Sample
Attachments: SKM_450i24103107450.pdf

Importance: High

Good evening,

For the chain above, the second sample listed as TB103024, the vials were filled with water, trip blanks need to be received unfilled with a custody seal, therefor we are unable to proceed with analysis for this TB.

Please contact the lab if you have any questions.

Thank you

Krystal Delgado

Sample Receiving- Second Shift Lead
Phoenix Environmental Laboratories
587 East Middle Tpke.
Manchester, CT 06040
krystald@phoenixlabs.com
PH: 860-645-1102 ext:369
FX: 860-645-0823



Krystal Delgado

From: Krystal Delgado
Sent: Tuesday, November 5, 2024 1:02 PM
To: firstname lastname; Galli Engineering; Nicole Goloff
Cc: Ben Horton
Subject: RE: TB Sample

Okay, thank you for confirming.

From: [firstname lastname <jcherlin@gallieng.com>](mailto:firstname.lastname@gallieng.com)
Sent: Tuesday, November 5, 2024 12:52 PM
To: Krystal Delgado <KrystalD@phoenixlabs.com>; Galli Engineering <briyanto@gallieng.com>; Nicole Goloff <ngoloff@gallieng.com>
Cc: Ben Horton <BenH@phoenixlabs.com>
Subject: RE: TB Sample

Yes that's it, one set!

On 11/05/2024 12:40 PM EST Krystal Delgado <krystald@phoenixlabs.com> wrote:

Hi all!

We cleared out the coolers when the courier got here. We only have one set of tb's to account for which went with the set of samples submitted on 10/31.

From: [firstname lastname <jcherlin@gallieng.com>](mailto:firstname.lastname@gallieng.com)
Sent: Tuesday, November 5, 2024 11:35 AM
To: Galli Engineering <briyanto@gallieng.com>; Krystal Delgado <KrystalD@phoenixlabs.com>; Nicole Goloff <ngoloff@gallieng.com>
Cc: Ben Horton <BenH@phoenixlabs.com>
Subject: Re: TB Sample

Thanks Bud!

Krystal, I remember my coworker showing me the TB & placing it in one of the coolers, it should be there.

On 11/05/2024 8:28 AM EST Galli Engineering <briyanto@gallieng.com> wrote:

Yes, I had shown you the trip blank and placed all samples in the three coolers

From: firstname lastname <jcherlin@gallieng.com>
Sent: Monday, November 4, 2024 10:14 PM
To: Krystal Delgado <KrystalD@phoenixlabs.com>; firstname lastname <briyanto@gallieng.com>; Nicole Goloff <ngoloff@gallieng.com>
Cc: Ben Horton <BenH@phoenixlabs.com>
Subject: RE: TB Sample

Bud, didn't you locate the Trip Blank on Thursday when we were in the field at Port Washington & place it in the cooler?

On 11/04/2024 6:30 PM EST Krystal Delgado
<krystald@phoenixlabs.com> wrote:

We got the TB's listed on the chain attached (GCR 97583). We did not receive a TB for GCR 96654.

From: jcherlin@gallieng.com <jcherlin@gallieng.com>
Sent: Monday, November 4, 2024 6:22 PM
To: Krystal Delgado <KrystalD@phoenixlabs.com>
Cc: Ben Horton <BenH@phoenixlabs.com>
Subject: RE: TB Sample

You should have received the TB, I received acknowledgment that you got it. It was included with our last pickup on Thursday 10/31.

Jennifer Cherlin
Senior Environmental Geologist

Galli Engineering
35 Pinelawn Rd, Suite 209E
Melville, NY 11747

Phone: [\(631\) 271-9292](tel:6312719292)

Fax: [\(631\) 271-9345](tel:6312719345)

Cell: [\(516\) 650-4364](tel:5166504364)
<http://www.gallieng.us>



From: Krystal Delgado <KrystalD@phoenixlabs.com>
Sent: Monday, November 4, 2024 5:24 PM
To: firstname lastname <jcherlin@gallieng.com>
Cc: Ben Horton <BenH@phoenixlabs.com>
Subject: RE: TB Sample
Importance: High

Hi,

Since the samples were received last Wednesday and we never received the trip blanks that go with them, it will no longer be appropriate to submit the trip blanks for samples received last week.

Thank you.

From: Krystal Delgado
Sent: Friday, November 1, 2024 6:40 PM
To: firstname lastname <jcherlin@gallieng.com>
Cc: Ben Horton <BenH@phoenixlabs.com>
Subject: RE: TB Sample

Hello,

We did not receive the trip blanks yesterday or today?

Are you able to provide an update if we are going to receive these or not?

Thank you!

From: firstname lastname <jcherlin@gallieng.com>
Sent: Thursday, October 31, 2024 11:20 AM
To: Krystal Delgado <KrystalD@phoenixlabs.com>
Cc: Ben Horton <BenH@phoenixlabs.com>
Subject: Re: TB Sample

Krystal, we actually just found the trip blank in one of our coolers! We will send it today.

On 10/31/2024 9:10 AM EDT firstname lastname
<jcherlin@gallieng.com> wrote:

There was 1 TB (3 vials already filled with water) & then another set labeled FB that were also 3 vials.

On 10/30/2024 7:43 PM EDT Krystal
Delgado <krystald@phoenixlabs.com>
wrote:

Good evening,

For the chain above, the second sample listed as TB103024, the vials were filled with water, trip blanks need to be received unfilled with a custody seal, therefor we are unable to proceed with analysis for this TB.

Please contact the lab if you have any questions.

Thank you

Krystal Delgado

Sample Receiving- Second
Shift Lead

Phoenix Environmental Laboratories

587 East Middle Tpke.

Manchester, CT 06040

krystald@phoenixlabs.com

PH: [860-645-1102](tel:860-645-1102) ext:369

FX: [860-645-0823](tel:860-645-0823)



Get [Outlook for iOS](#)



Friday, November 01, 2024

Attn: Rich Galli
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Project ID: 403 MAIN ST. PORT WASH
SDG ID: GCR96671
Sample ID#s: CR96671

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

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



Sample Id Cross Reference

November 01, 2024

SDG I.D.: GCR96671

Project ID: 403 MAIN ST. PORT WASH

Client Id	Lab Id	Matrix
AA-1	CR96671	AIR



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



Analysis Report

November 01, 2024

FOR: Attn: Rich Galli
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: AIR
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:
Canister Id: 488

Custody Information

Collected by: JC
Received by: CP
Analyzed by: see "By" below

Date Time
10/30/24 12:15
10/30/24 17:01

Laboratory Data

SDG ID: GCR96671
Phoenix ID: CR96671

Project ID: 403 MAIN ST. PORT WASH
Client ID: AA-1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Volatiles (TO15)							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	10/30/24	KCA	1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	10/30/24	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	10/30/24	KCA	1
1,1,2-Trichloroethane	ND	0.183	ND	1.00	10/30/24	KCA	1
1,1-Dichloroethane	ND	0.247	ND	1.00	10/30/24	KCA	1
1,1-Dichloroethene	ND	0.051	ND	0.20	10/30/24	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	10/30/24	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	ND	1.00	10/30/24	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	10/30/24	KCA	1
1,2-Dichlorobenzene	ND	0.166	ND	1.00	10/30/24	KCA	1
1,2-Dichloroethane	ND	0.247	ND	1.00	10/30/24	KCA	1
1,2-dichloropropane	ND	0.217	ND	1.00	10/30/24	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	10/30/24	KCA	1
1,3,5-Trimethylbenzene	0.506	0.204	2.49	1.00	10/30/24	KCA	1
1,3-Butadiene	ND	0.452	ND	1.00	10/30/24	KCA	1
1,3-Dichlorobenzene	ND	0.166	ND	1.00	10/30/24	KCA	1
1,4-Dichlorobenzene	ND	0.166	ND	1.00	10/30/24	KCA	1
1,4-Dioxane	ND	0.278	ND	1.00	10/30/24	KCA	1
2-Hexanone(MBK)	ND	0.244	ND	1.00	10/30/24	KCA	1
4-Ethyltoluene	0.450	0.204	2.21	1.00	10/30/24	KCA	1
4-Isopropyltoluene	0.499	0.182	2.74	1.00	10/30/24	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	10/30/24	KCA	1
Acetone	2.93	0.421	6.96	1.00	10/30/24	KCA	1
Acrylonitrile	ND	0.461	ND	1.00	10/30/24	KCA	1
Benzene	ND	0.313	ND	1.00	10/30/24	KCA	1
Benzyl chloride	ND	0.193	ND	1.00	10/30/24	KCA	1

Client ID: AA-1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	ND	1.00	10/30/24	KCA	1
Bromoform	ND	0.097	ND	1.00	10/30/24	KCA	1
Bromomethane	ND	0.258	ND	1.00	10/30/24	KCA	1
Carbon Disulfide	ND	0.321	ND	1.00	10/30/24	KCA	1
Carbon Tetrachloride	0.075	0.032	0.47	0.20	10/30/24	KCA	1
Chlorobenzene	ND	0.217	ND	1.00	10/30/24	KCA	1
Chloroethane	ND	0.379	ND	1.00	10/30/24	KCA	1
Chloroform	ND	0.205	ND	1.00	10/30/24	KCA	1
Chloromethane	0.561	0.485	1.16	1.00	10/30/24	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	ND	0.20	10/30/24	KCA	1
cis-1,3-Dichloropropene	ND	0.221	ND	1.00	10/30/24	KCA	1
Cyclohexane	ND	0.291	ND	1.00	10/30/24	KCA	1
Dibromochloromethane	ND	0.118	ND	1.00	10/30/24	KCA	1
Dichlorodifluoromethane	0.472	0.202	2.33	1.00	10/30/24	KCA	1
Ethanol	4.96	0.531	9.34	1.00	10/30/24	KCA	1 1
Ethyl acetate	ND	0.278	ND	1.00	10/30/24	KCA	1 1
Ethylbenzene	ND	0.230	ND	1.00	10/30/24	KCA	1
Heptane	0.269	0.244	1.10	1.00	10/30/24	KCA	1
Hexachlorobutadiene	ND	0.094	ND	1.00	10/30/24	KCA	1
Hexane	0.365	0.284	1.29	1.00	10/30/24	KCA	1
Isooctane	ND	0.215	ND	1.00	10/30/24	KCA	1
Isopropylalcohol	0.531	0.407	1.30	1.00	10/30/24	KCA	1
Isopropylbenzene	ND	0.204	ND	1.00	10/30/24	KCA	1
m,p-Xylene	0.309	0.230	1.34	1.00	10/30/24	KCA	1
Methyl Ethyl Ketone	ND	0.339	ND	1.00	10/30/24	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	10/30/24	KCA	1
Methylene Chloride	ND	0.863	ND	3.00	10/30/24	KCA	1
Naphthalene	0.354	0.200	1.85	1.05	10/30/24	KCA	1
n-Butylbenzene	ND	0.182	ND	1.00	10/30/24	KCA	1 1
o-Xylene	ND	0.230	ND	1.00	10/30/24	KCA	1
Propylene	ND	0.581	ND	1.00	10/30/24	KCA	1 1
sec-Butylbenzene	ND	0.182	ND	1.00	10/30/24	KCA	1 1
Styrene	ND	0.235	ND	1.00	10/30/24	KCA	1
Tetrachloroethene	0.233	0.037	1.58	0.25	10/30/24	KCA	1
Tetrahydrofuran	ND	0.339	ND	1.00	10/30/24	KCA	1 1
Toluene	0.579	0.266	2.18	1.00	10/30/24	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	10/30/24	KCA	1
trans-1,3-Dichloropropene	ND	0.221	ND	1.00	10/30/24	KCA	1
Trichloroethene	ND	0.037	ND	0.20	10/30/24	KCA	1
Trichlorofluoromethane	0.204	0.178	1.15	1.00	10/30/24	KCA	1
Trichlorotrifluoroethane	ND	0.131	ND	1.00	10/30/24	KCA	1
Vinyl Chloride	ND	0.078	ND	0.20	10/30/24	KCA	1
<u>QA/QC Surrogates/Internals</u>							
% Bromofluorobenzene	105	%	105	%	10/30/24	KCA	1
% IS-1,4-Difluorobenzene	91	%	91	%	10/30/24	KCA	1
% IS-Bromochloromethane	90	%	90	%	10/30/24	KCA	1
% IS-Chlorobenzene-d5	92	%	92	%	10/30/24	KCA	1

Client ID: AA-1

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

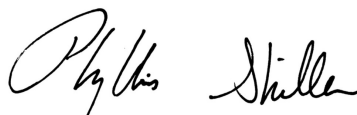
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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



Phyllis Shiller, Laboratory Director

November 01, 2024

Reviewed and Released by: Anil Makol, Project Manager



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



Canister Sampling Information

November 01, 2024

FOR: Attn: Rich Galli
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Location Code: GALLI-ENG

SDG I.D.: GCR96671

Project ID: 403 MAIN ST. PORT WASH

Client Id	Lab Id	Canister		Reg. Id	Chk Out Date	Laboratory					Field			
		Id	Type			Out Hg	In Hg	Out Flow	In Flow	Flow RPD	Start Hg	End Hg	Sampling Start Date	Sampling End Date
AA-1	CR96671	488	6.0L	3408	10/24/24	-30	-2	11.3	11.5	1.8	-30	-4	10/29/24 09:25	10/30/24 12:15



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



QA/QC Report

November 01, 2024

QA/QC Data

SDG I.D.: GCR96671

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
QA/QC Batch 756157 (ppbv), QC Sample No: CR96645 (CR96671)												
Volatiles												
1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	102	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.180	ND	0.98	101	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	99	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.180	ND	0.98	102	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.250	ND	1.01	100	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	100	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.130	ND	0.96	65	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	102	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	103	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.170	ND	1.02	93	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.250	ND	1.01	101	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.220	ND	1.02	100	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.140	ND	0.98	100	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.200	ND	0.98	101	ND	ND	ND	ND	NC	70 - 130	25
1,3-Butadiene	ND	0.450	ND	0.99	97	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.170	ND	1.02	97	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.170	ND	1.02	97	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.280	ND	1.01	106	3.03	3.05	0.840	0.846	NC	70 - 130	25
2,2,4-Trimethylpentane	ND	0.210	ND	0.98	104	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.240	ND	0.98	112	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.200	ND	0.98	102	ND	ND	ND	ND	NC	70 - 130	25
4-Isopropyltoluene	ND	0.180	ND	0.99	94	ND	ND	ND	ND	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.240	ND	0.98	110	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	0.420	ND	1.00	93	59.1	62.9	24.9	26.5	6.2	70 - 130	25
Acrylonitrile	ND	0.460	ND	1.00	93	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.310	ND	0.99	99	ND	ND	ND	ND	NC	70 - 130	25
Benzyl chloride	ND	0.190	ND	0.98	106	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.150	ND	1.00	104	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.097	ND	1.00	111	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.260	ND	1.01	97	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.320	ND	1.00	105	22.8	24.1	7.34	7.74	5.3	70 - 130	25
Carbon Tetrachloride	ND	0.032	ND	0.20	104	0.45	0.48	0.072	0.077	NC	70 - 130	25
Chlorobenzene	ND	0.220	ND	1.01	101	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.380	ND	1.00	98	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.200	ND	0.98	98	12.9	13.6	2.65	2.78	4.8	70 - 130	25
Chloromethane	ND	0.480	ND	0.99	112	1.19	1.31	0.576	0.636	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.050	ND	0.20	100	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.290	ND	1.00	91	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.120	ND	1.02	108	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	101	2.30	2.34	0.465	0.474	NC	70 - 130	25

QA/QC Data

SDG I.D.: GCR96671

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Ethanol	ND	0.530	ND	1.00	100	1140 E	1290	603 E	683	12.4	70 - 130	25
Ethyl acetate	ND	0.280	ND	1.01	128	13.1	13.6	3.65	3.79	3.8	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	103	ND	ND	ND	ND	NC	70 - 130	25
Heptane	ND	0.240	ND	0.98	105	9.8	10.2	2.39	2.50	4.5	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	63	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.280	ND	0.99	101	ND	ND	ND	ND	NC	70 - 130	25
Isopropylalcohol	ND	0.410	ND	1.01	94	2.12	2.11	0.862	0.857	NC	70 - 130	25
Isopropylbenzene	ND	0.200	ND	0.98	98	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	106	1.59	1.57	0.367	0.361	NC	70 - 130	25
Methyl Ethyl Ketone	ND	0.340	ND	1.00	102	1.08	1.20	0.366	0.406	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	101	6.56	6.95	1.82	1.93	5.9	70 - 130	25
Methylene Chloride	ND	0.860	ND	2.99	94	4.55	5.00	1.31	1.44	NC	70 - 130	25
Naphthalene	ND	0.200	ND	1.05	69	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.180	ND	0.99	91	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	102	ND	ND	ND	ND	NC	70 - 130	25
Propylene	ND	0.580	ND	1.00	96	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.180	ND	0.99	96	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.230	ND	0.98	107	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	103	ND	ND	ND	ND	NC	70 - 130	25
Tetrahydrofuran	ND	0.340	ND	1.00	102	1.72	2.03	0.582	0.690	NC	70 - 130	25
Toluene	ND	0.270	ND	1.02	103	18.4	19.2	4.88	5.09	4.2	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	99	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	104	ND	ND	ND	ND	NC	70 - 130	25
Trichlorofluoromethane	ND	0.180	ND	1.01	102	7.69	8.09	1.37	1.44	5.0	70 - 130	25
Trichlorotrifluoroethane	ND	0.130	ND	1.00	100	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	101	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	101	%	101	%	101	107	106	107	106	NC	70 - 130	25
% IS-1,4-Difluorobenzene	98	%	98	%	103	96	91	96	91	NC	60 - 140	25
% IS-Bromochloromethane	96	%	96	%	102	95	89	95	89	NC	60 - 140	25
% IS-Chlorobenzene-d5	98	%	98	%	110	95	90	95	90	NC	60 - 140	25

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

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

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


Phyllis Shiller, Laboratory Director
November 01, 2024

Criteria: None
State: NY

Sample Criteria Exceedances Report
GCR96671 - GALLI-ENG

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

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



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



Analysis Comments

November 01, 2024

SDG I.D.: GCR96671

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



Tuesday, November 12, 2024

Attn: Jennifer Cherlin
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Project ID: INSPIRATION WHARF (PORT WASHINGTON)
SDG ID: GCR97583
Sample ID#s: CR97583 - CR97605, CR97785

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.

The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

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



SDG Comments

November 12, 2024

SDG I.D.: GCR97583

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.

SIM Analysis:

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

8081 Pesticides:

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

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

The regulatory hold time for Filtration is 24 hours. Filtration was performed in the laboratory and may be considered outside of hold-time.



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



Sample Id Cross Reference

November 12, 2024

SDG I.D.: GCR97583

Project ID: INSPIRATION WHARF (PORT WASHINGTON)

Client Id	Lab Id	Matrix
TB103124 LL	CR97583	SOIL
SB-6 GRAB (9.5-10`)	CR97584	SOIL
SB-6 COMPOSITE	CR97585	SOIL
SB-8 GRAB (9.5-10`)	CR97586	SOIL
SB-8 COMPOSITE	CR97587	SOIL
SB-7 GRAB (9.5-10`)	CR97588	SOIL
SB-7 COMPOSITE	CR97589	SOIL
SB-11 GRAB (9.5-10`)	CR97590	SOIL
SB-11 COMPOSITE	CR97591	SOIL
TW-11 (5-10`)	CR97592	GROUND WATER
TW-10 (5-10`)	CR97593	GROUND WATER
SB-10 GRAB (9.5-10`)	CR97594	SOIL
SB-10 COMPOSITE	CR97595	SOIL
SB-13 GRAB (9.5-10`)	CR97596	SOIL
SB-13 COMPOSITE	CR97597	SOIL
SB-12 GRAB (9.5-10`)	CR97598	SOIL
SB-12 COMPOSITE	CR97599	SOIL
SB-16 GRAB (9.5-10`)	CR97600	SOIL
SB-16 COMPOSITE	CR97601	SOIL
SB-15 GRAB (9.5-10`)	CR97602	SOIL
SB-15 COMPOSITE	CR97603	SOIL
SB-14 GRAB (9.5-10`)	CR97604	SOIL
SB-14 COMPOSITE	CR97605	SOIL
TB103124 HL	CR97785	SOIL



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



Analysis Report

November 12, 2024

FOR: Attn: Jennifer Cherlin
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: SOIL
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date	Time
10/31/24	12:00
10/31/24	18:15

Laboratory Data

SDG ID: GCR97583
Phoenix ID: CR97583

Project ID: INSPIRATION WHARF (PORT WASHINGTON)
Client ID: TB103124 LL

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Field Extraction	Completed				10/31/24		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloroethane	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloroethene	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloropropene	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,3-Trichloropropane	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dibromoethane	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichloroethane	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichloropropane	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,3-Dichloropropane	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
2,2-Dichloropropane	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
2-Chlorotoluene	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
2-Hexanone	ND	25	ug/Kg	1	11/02/24	JLI	SW8260D
2-Isopropyltoluene	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D

Client ID: TB103124 LL

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
4-Methyl-2-pentanone	ND	25	ug/Kg	1	11/02/24	JLI	SW8260D
Acetone	ND	25	ug/Kg	1	11/02/24	JLI	SW8260D
Acrylonitrile	ND	10	ug/Kg	1	11/02/24	JLI	SW8260D
Benzene	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
Bromobenzene	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
Bromochloromethane	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
Bromodichloromethane	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
Bromoform	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
Bromomethane	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
Carbon Disulfide	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
Carbon tetrachloride	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
Chlorobenzene	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
Chloroethane	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
Chloroform	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
Chloromethane	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
Dibromochloromethane	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
Dibromomethane	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
Dichlorodifluoromethane	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
Ethylbenzene	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
Hexachlorobutadiene	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
Isopropylbenzene	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
m&p-Xylene	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
Methyl Ethyl Ketone	ND	25	ug/Kg	1	11/02/24	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	1	11/02/24	JLI	SW8260D
Methylene chloride	ND	10	ug/Kg	1	11/02/24	JLI	SW8260D
Naphthalene	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
n-Butylbenzene	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
n-Propylbenzene	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
o-Xylene	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
p-Isopropyltoluene	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
sec-Butylbenzene	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
Styrene	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
tert-Butylbenzene	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
Tetrachloroethene	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
Tetrahydrofuran (THF)	ND	10	ug/Kg	1	11/02/24	JLI	SW8260D
Toluene	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
Total Xylenes	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	1	11/02/24	JLI	SW8260D
Trichloroethene	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
Trichlorofluoromethane	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
Vinyl chloride	ND	5.0	ug/Kg	1	11/02/24	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	96		%	1	11/02/24	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	95		%	1	11/02/24	JLI	70 - 130 %
% Dibromofluoromethane	88		%	1	11/02/24	JLI	70 - 130 %
% Toluene-d8	99		%	1	11/02/24	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

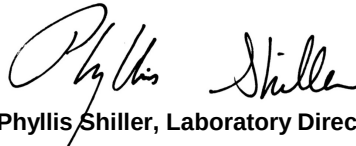
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

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

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



Phyllis Shiller, Laboratory Director

November 12, 2024

Reviewed and Released by: Rashmi Makol, Project Manager



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



Analysis Report

November 12, 2024

FOR: Attn: Jennifer Cherlin
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: SOIL
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date	Time
10/30/24	14:00
10/31/24	18:15

Laboratory Data

SDG ID: GCR97583
Phoenix ID: CR97584

Project ID: INSPIRATION WHARF (PORT WASHINGTON)
Client ID: SB-6 GRAB (9.5-10`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Field Extraction	Completed				10/30/24		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,1-Trichloroethane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,2-Trichloroethane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloroethane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloroethene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloropropene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,3-Trichloropropane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dibromoethane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichlorobenzene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichloroethane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichloropropane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,3-Dichlorobenzene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,3-Dichloropropane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,4-Dichlorobenzene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
2,2-Dichloropropane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
2-Chlorotoluene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
2-Hexanone	ND	21	ug/Kg	1	11/02/24	JLI	SW8260D
2-Isopropyltoluene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
4-Methyl-2-pentanone	ND	21	ug/Kg	1	11/02/24	JLI	SW8260D
Acetone	24	S 21	ug/Kg	1	11/02/24	JLI	SW8260D
Acrylonitrile	ND	8.4	ug/Kg	1	11/02/24	JLI	SW8260D
Benzene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Bromobenzene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Bromochloromethane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Bromodichloromethane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Bromoform	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Bromomethane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Carbon Disulfide	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Carbon tetrachloride	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Chlorobenzene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Chloroethane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Chloroform	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Chloromethane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
cis-1,2-Dichloroethene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
cis-1,3-Dichloropropene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Dibromochloromethane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Dibromomethane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Dichlorodifluoromethane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Ethylbenzene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Hexachlorobutadiene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Isopropylbenzene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
m&p-Xylene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Methyl Ethyl Ketone	ND	21	ug/Kg	1	11/02/24	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	8.4	ug/Kg	1	11/02/24	JLI	SW8260D
Methylene chloride	ND	8.4	ug/Kg	1	11/02/24	JLI	SW8260D
Naphthalene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
n-Butylbenzene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
n-Propylbenzene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
o-Xylene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
p-Isopropyltoluene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
sec-Butylbenzene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Styrene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
tert-Butylbenzene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Tetrachloroethene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Tetrahydrofuran (THF)	ND	8.4	ug/Kg	1	11/02/24	JLI	SW8260D
Toluene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Total Xylenes	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,2-Dichloroethene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,3-Dichloropropene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	8.4	ug/Kg	1	11/02/24	JLI	SW8260D
Trichloroethene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Trichlorofluoromethane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Trichlorotrifluoroethane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Vinyl chloride	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	97		%	1	11/02/24	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	94		%	1	11/02/24	JLI	70 - 130 %
% Dibromofluoromethane	85		%	1	11/02/24	JLI	70 - 130 %
% Toluene-d8	98		%	1	11/02/24	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 (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

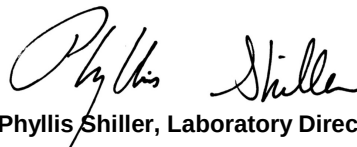
Comments:

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

November 12, 2024

Reviewed and Released by: Rashmi Makol, Project Manager



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



Analysis Report

November 12, 2024

FOR: Attn: Jennifer Cherlin
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: SOIL
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time
10/30/24 14:05
10/31/24 18:15

Laboratory Data

SDG ID: GCR97583
Phoenix ID: CR97585

Project ID: INSPIRATION WHARF (PORT WASHINGTON)
Client ID: SB-6 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.41	0.41	mg/Kg	1	11/01/24	CPP	SW6010D
Aluminum	10600	61	mg/Kg	10	11/01/24	CPP	SW6010D
Arsenic	3.91	0.81	mg/Kg	1	11/01/24	CPP	SW6010D
Barium	55.5	0.41	mg/Kg	1	11/01/24	CPP	SW6010D
Beryllium	0.47	0.32	mg/Kg	1	11/01/24	CPP	SW6010D
Calcium	836	6.1	mg/Kg	1	11/01/24	CPP	SW6010D
Cadmium	< 0.41	0.41	mg/Kg	1	11/01/24	CPP	SW6010D
Cobalt	5.74	0.41	mg/Kg	1	11/01/24	CPP	SW6010D
Chromium	14.7	0.41	mg/Kg	1	11/01/24	CPP	SW6010D
Copper	30.6	0.8	mg/kg	1	11/01/24	CPP	SW6010D
Iron	13000	61	mg/Kg	10	11/01/24	CPP	SW6010D
Mercury	0.98	0.03	mg/Kg	2	11/04/24	AL1	SW7471B
Potassium	631	61	mg/Kg	10	11/06/24	TH	SW6010D
Magnesium	1760	6.1	mg/Kg	1	11/01/24	CPP	SW6010D
Manganese	283	0.41	mg/Kg	1	11/01/24	CPP	SW6010D
Sodium	242	6.1	mg/Kg	1	11/01/24	CPP	SW6010D
Nickel	12.7	0.41	mg/Kg	1	11/01/24	CPP	SW6010D
Lead	258	0.41	mg/Kg	1	11/01/24	CPP	SW6010D
Antimony	< 4.1	4.1	mg/Kg	1	11/01/24	CPP	SW6010D
Selenium	< 1.6	1.6	mg/Kg	1	11/01/24	CPP	SW6010D
Thallium	< 3.7	3.7	mg/Kg	1	11/01/24	CPP	SW6010D
Vanadium	20.2	0.41	mg/Kg	1	11/01/24	CPP	SW6010D
Zinc	66.3	0.8	mg/Kg	1	11/01/24	CPP	SW6010D
Percent Solid	88		%		10/31/24	CV	SW846-%Solid
Corrosivity	Negative		Pos/Neg	1	10/31/24	AF/MW	SW846-Corr
Flash Point	>200	200	Degree F	1	11/05/24	G	SW1010B
Chromium, Hex. (SW3060A digestion)	< 0.42	0.42	mg/Kg	1	11/01/24	NP	SW7196A
Ignitability	Passed	140	degree F	1	11/05/24	G	SW846-Ignit

Client ID: SB-6 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
pH at 25C - Soil	7.36	1.00	pH Units	1	10/31/24 23:03	AF/MW	SW846 9045D	1
Reactivity Cyanide	< 6	6	mg/Kg	1	11/05/24	NP/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20	mg/Kg	1	11/06/24	NP/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	11/06/24	NP/GD	SW846-React	1
Redox Potential	404		mV	1	10/31/24	AF/MW	SM2580B-09	1
Mercury Digestion	Completed				11/01/24	AC1/AC1	SW7471B	
Extraction of NY ETPH	Completed				10/31/24	J/H/X/	SW3546	
Soil Extraction for Herbicide	Completed				11/05/24	Y/MQ	SW3546	
Soil Extraction for PCB	Completed				11/01/24	GW/GW	SW3546	
Soil Extraction for Pesticides	Completed				11/01/24	GW/GW	SW3546	
Soil Extraction for SVOA	Completed				11/01/24	H/X/	SW3546	
Paint Filter Test	Passed		PASS/FAIL		10/31/24	O	SW9095B	
Total Metals Digest	Completed				10/31/24	J/AG	SW3050B	

Gasoline Range Hydrocarbons (C6-C10)

GRO (C6-C10)	ND	L 6.4	mg/Kg	50	11/02/24	V	SW8015D GRO

QA/QC Surrogates

% 2,5-Dibromotoluene (FID)	101		%	50	11/02/24	V	70 - 130 %

Chlorinated Herbicides

2,4,5-T	ND	140	ug/Kg	10	11/06/24	JRB	SW8151A
2,4,5-TP (Silvex)	ND	140	ug/Kg	10	11/06/24	JRB	SW8151A
2,4-D	ND	280	ug/Kg	10	11/06/24	JRB	SW8151A
2,4-DB	ND	2800	ug/Kg	10	11/06/24	JRB	SW8151A
Dalapon	ND	140	ug/Kg	10	11/06/24	JRB	SW8151A
Dicamba	ND	140	ug/Kg	10	11/06/24	JRB	SW8151A
Dichloroprop	ND	280	ug/Kg	10	11/06/24	JRB	SW8151A
Dinoseb	ND	280	ug/Kg	10	11/06/24	JRB	SW8151A

QA/QC Surrogates

% DCAA	73		%	10	11/06/24	JRB	30 - 150 %
% DCAA (Confirmation)	82		%	10	11/06/24	JRB	30 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	75	ug/Kg	2	11/04/24	SC	SW8082A
PCB-1221	ND	75	ug/Kg	2	11/04/24	SC	SW8082A
PCB-1232	ND	75	ug/Kg	2	11/04/24	SC	SW8082A
PCB-1242	ND	75	ug/Kg	2	11/04/24	SC	SW8082A
PCB-1248	ND	75	ug/Kg	2	11/04/24	SC	SW8082A
PCB-1254	ND	75	ug/Kg	2	11/04/24	SC	SW8082A
PCB-1260	ND	75	ug/Kg	2	11/04/24	SC	SW8082A
PCB-1262	ND	75	ug/Kg	2	11/04/24	SC	SW8082A
PCB-1268	ND	75	ug/Kg	2	11/04/24	SC	SW8082A

QA/QC Surrogates

% DCBP	85		%	2	11/04/24	SC	30 - 150 %
% DCBP (Confirmation)	93		%	2	11/04/24	SC	30 - 150 %
% TCMX	82		%	2	11/04/24	SC	30 - 150 %
% TCMX (Confirmation)	84		%	2	11/04/24	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Pesticides - Soil</u>							
4,4' -DDD	ND	2.3	ug/Kg	2	11/04/24	AW	SW8081B
4,4' -DDE	ND	2.3	ug/Kg	2	11/04/24	AW	SW8081B
4,4' -DDT	ND	2.3	ug/Kg	2	11/04/24	AW	SW8081B
a-BHC	ND	7.5	ug/Kg	2	11/04/24	AW	SW8081B
a-Chlordane	11	3.8	ug/Kg	2	11/04/24	AW	SW8081B
Aldrin	ND	3.8	ug/Kg	2	11/04/24	AW	SW8081B
b-BHC	ND	7.5	ug/Kg	2	11/04/24	AW	SW8081B
Chlordane	70	38	ug/Kg	2	11/04/24	AW	SW8081B
d-BHC	ND	7.5	ug/Kg	2	11/04/24	AW	SW8081B
Dieldrin	5.8	3.8	ug/Kg	2	11/04/24	AW	SW8081B
Endosulfan I	ND	7.5	ug/Kg	2	11/04/24	AW	SW8081B
Endosulfan II	ND	7.5	ug/Kg	2	11/04/24	AW	SW8081B
Endosulfan sulfate	ND	7.5	ug/Kg	2	11/04/24	AW	SW8081B
Endrin	ND	7.5	ug/Kg	2	11/04/24	AW	SW8081B
Endrin aldehyde	ND	7.5	ug/Kg	2	11/04/24	AW	SW8081B
Endrin ketone	ND	7.5	ug/Kg	2	11/04/24	AW	SW8081B
g-BHC	ND	1.5	ug/Kg	2	11/04/24	AW	SW8081B
g-Chlordane	9.5	3.8	ug/Kg	2	11/04/24	AW	SW8081B
Heptachlor	ND	7.5	ug/Kg	2	11/04/24	AW	SW8081B
Heptachlor epoxide	ND	7.5	ug/Kg	2	11/04/24	AW	SW8081B
Methoxychlor	ND	38	ug/Kg	2	11/04/24	AW	SW8081B
Toxaphene	ND	150	ug/Kg	2	11/04/24	AW	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	71		%	2	11/04/24	AW	30 - 150 %
% DCBP (Confirmation)	45		%	2	11/04/24	AW	30 - 150 %
% TCMX	67		%	2	11/04/24	AW	30 - 150 %
% TCMX (Confirmation)	59		%	2	11/04/24	AW	30 - 150 %
<u>TPH DRO (C10-C28)</u>							
Diesel Range Organics (C10-C28)	110	55	mg/Kg	1	11/01/24	JRB	SW8015D DRO
<u>QA/QC Surrogates</u>							
% COD (surr)	114		%	1	11/01/24	JRB	50 - 150 %
% Terphenyl (surr)	101		%	1	11/01/24	JRB	50 - 150 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
1,2,4-Trichlorobenzene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
1,2-Dichlorobenzene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
1,2-Diphenylhydrazine	ND	370	ug/Kg	1	11/02/24	KCA	SW8270E
1,3-Dichlorobenzene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
1,4-Dichlorobenzene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
2,4,6-Trichlorophenol	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
2,4-Dichlorophenol	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
2,4-Dimethylphenol	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
2,4-Dinitrophenol	ND	370	ug/Kg	1	11/02/24	KCA	SW8270E
2,4-Dinitrotoluene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E

Client ID: SB-6 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2,6-Dinitrotoluene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
2-Chloronaphthalene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
2-Chlorophenol	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
2-Methylnaphthalene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
2-Methylphenol (o-cresol)	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
2-Nitroaniline	ND	370	ug/Kg	1	11/02/24	KCA	SW8270E
2-Nitrophenol	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	1	11/02/24	KCA	SW8270E
3,3'-Dichlorobenzidine	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
3-Nitroaniline	ND	370	ug/Kg	1	11/02/24	KCA	SW8270E
4,6-Dinitro-2-methylphenol	ND	370	ug/Kg	1	11/02/24	KCA	SW8270E
4-Bromophenyl phenyl ether	ND	370	ug/Kg	1	11/02/24	KCA	SW8270E
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
4-Chloroaniline	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
4-Nitroaniline	ND	590	ug/Kg	1	11/02/24	KCA	SW8270E
4-Nitrophenol	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Acenaphthene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Acenaphthylene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Acetophenone	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Aniline	ND	370	ug/Kg	1	11/02/24	KCA	SW8270E
Anthracene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Benz(a)anthracene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Benidine	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Benzo(a)pyrene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Benzo(b)fluoranthene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Benzo(ghi)perylene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Benzo(k)fluoranthene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Benzoic acid	ND	740	ug/Kg	1	11/02/24	KCA	SW8270E
Benzyl butyl phthalate	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Bis(2-chloroethyl)ether	ND	370	ug/Kg	1	11/02/24	KCA	SW8270E
Bis(2-ethylhexyl)phthalate	ND	370	ug/Kg	1	11/02/24	KCA	SW8270E
Carbazole	ND	370	ug/Kg	1	11/02/24	KCA	SW8270E
Chrysene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Dibenzofuran	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Diethyl phthalate	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Dimethylphthalate	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Di-n-butylphthalate	ND	370	ug/Kg	1	11/02/24	KCA	SW8270E
Di-n-octylphthalate	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Fluoranthene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Fluorene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Hexachlorobenzene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Hexachlorobutadiene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Hexachloroethane	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Isophorone	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E

Client ID: SB-6 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Naphthalene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Nitrobenzene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
N-Nitrosodimethylamine	ND	370	ug/Kg	1	11/02/24	KCA	SW8270E
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
N-Nitrosodiphenylamine	ND	370	ug/Kg	1	11/02/24	KCA	SW8270E
Pentachloronitrobenzene	ND	370	ug/Kg	1	11/02/24	KCA	SW8270E
Pentachlorophenol	ND	370	ug/Kg	1	11/02/24	KCA	SW8270E
Phenanthrene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Phenol	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Pyrene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Pyridine	ND	370	ug/Kg	1	11/02/24	KCA	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	78		%	1	11/02/24	KCA	30 - 130 %
% 2-Fluorobiphenyl	80		%	1	11/02/24	KCA	30 - 130 %
% 2-Fluorophenol	73		%	1	11/02/24	KCA	30 - 130 %
% Nitrobenzene-d5	74		%	1	11/02/24	KCA	30 - 130 %
% Phenol-d5	72		%	1	11/02/24	KCA	30 - 130 %
% Terphenyl-d14	71		%	1	11/02/24	KCA	30 - 130 %

Client ID: SB-6 COMPOSITE

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 (preceded 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.

The TPH (C10-C28) is quantitated using an alkane 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.

Semi-Volatile Comment:

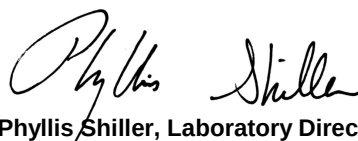
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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.

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

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



Phyllis Shiller, Laboratory Director

November 12, 2024

Reviewed and Released by: Rashmi Makol, Project Manager



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



Analysis Report

November 12, 2024

FOR: Attn: Jennifer Cherlin
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: SOIL
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

10/30/24
10/31/24

Time

14:10
18:15

Laboratory Data

SDG ID: GCR97583
Phoenix ID: CR97586

Project ID: INSPIRATION WHARF (PORT WASHINGTON)
Client ID: SB-8 GRAB (9.5-10')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Field Extraction	Completed				10/30/24		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,1-Trichloroethane	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	240	ug/Kg	50	11/04/24	JLI	SW8260D
1,1,2-Trichloroethane	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloroethane	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloroethene	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloropropene	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	240	ug/Kg	50	11/04/24	JLI	SW8260D
1,2,3-Trichloropropane	ND	240	ug/Kg	50	11/04/24	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	240	ug/Kg	50	11/04/24	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	240	ug/Kg	50	11/04/24	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	240	ug/Kg	50	11/04/24	JLI	SW8260D
1,2-Dibromoethane	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichlorobenzene	ND	240	ug/Kg	50	11/04/24	JLI	SW8260D
1,2-Dichloroethane	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichloropropane	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	240	ug/Kg	50	11/04/24	JLI	SW8260D
1,3-Dichlorobenzene	ND	240	ug/Kg	50	11/04/24	JLI	SW8260D
1,3-Dichloropropane	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
1,4-Dichlorobenzene	ND	240	ug/Kg	50	11/04/24	JLI	SW8260D
2,2-Dichloropropane	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
2-Chlorotoluene	ND	240	ug/Kg	50	11/04/24	JLI	SW8260D
2-Hexanone	ND	24	ug/Kg	1	11/02/24	JLI	SW8260D
2-Isopropyltoluene	ND	240	ug/Kg	50	11/04/24	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	240	ug/Kg	50	11/04/24	JLI	SW8260D
4-Methyl-2-pentanone	ND	24	ug/Kg	1	11/02/24	JLI	SW8260D
Acetone	ND	24	ug/Kg	1	11/02/24	JLI	SW8260D
Acrylonitrile	ND	9.5	ug/Kg	1	11/02/24	JLI	SW8260D
Benzene	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
Bromobenzene	ND	240	ug/Kg	50	11/04/24	JLI	SW8260D
Bromochloromethane	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
Bromodichloromethane	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
Bromoform	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
Bromomethane	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
Carbon Disulfide	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
Carbon tetrachloride	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
Chlorobenzene	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
Chloroethane	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
Chloroform	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
Chloromethane	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
cis-1,2-Dichloroethene	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
cis-1,3-Dichloropropene	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
Dibromochloromethane	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
Dibromomethane	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
Dichlorodifluoromethane	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
Ethylbenzene	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
Hexachlorobutadiene	ND	240	ug/Kg	50	11/04/24	JLI	SW8260D
Isopropylbenzene	ND	240	ug/Kg	50	11/04/24	JLI	SW8260D
m&p-Xylene	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
Methyl Ethyl Ketone	ND	24	ug/Kg	1	11/02/24	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	9.5	ug/Kg	1	11/02/24	JLI	SW8260D
Methylene chloride	ND	9.5	ug/Kg	1	11/02/24	JLI	SW8260D
Naphthalene	ND	240	ug/Kg	50	11/04/24	JLI	SW8260D
n-Butylbenzene	ND	240	ug/Kg	50	11/04/24	JLI	SW8260D
n-Propylbenzene	ND	240	ug/Kg	50	11/04/24	JLI	SW8260D
o-Xylene	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
p-Isopropyltoluene	ND	240	ug/Kg	50	11/04/24	JLI	SW8260D
sec-Butylbenzene	ND	240	ug/Kg	50	11/04/24	JLI	SW8260D
Styrene	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
tert-Butylbenzene	ND	240	ug/Kg	50	11/04/24	JLI	SW8260D
Tetrachloroethene	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
Tetrahydrofuran (THF)	ND	9.5	ug/Kg	1	11/02/24	JLI	SW8260D
Toluene	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
Total Xylenes	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,2-Dichloroethene	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,3-Dichloropropene	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	470	ug/Kg	50	11/04/24	JLI	SW8260D
Trichloroethene	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
Trichlorofluoromethane	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
Trichlorotrifluoroethane	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
Vinyl chloride	ND	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	187		%	1	11/02/24	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
% Bromofluorobenzene	185		%	1	11/02/24	JLI	70 - 130 %	3
% Dibromofluoromethane	90		%	1	11/02/24	JLI	70 - 130 %	
% Toluene-d8	92		%	1	11/02/24	JLI	70 - 130 %	
% 1,2-dichlorobenzene-d4 (50x)	95		%	50	11/04/24	JLI	70 - 130 %	
% Bromofluorobenzene (50x)	99		%	50	11/04/24	JLI	70 - 130 %	
% Dibromofluoromethane (50x)	77		%	50	11/04/24	JLI	70 - 130 %	
% Toluene-d8 (50x)	99		%	50	11/04/24	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.

3 = This parameter exceeds laboratory specified limits.

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

QA/QC Surrogates: Surrogates are compounds (preceded 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:

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

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

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



Phyllis Shiller, Laboratory Director

November 12, 2024

Reviewed and Released by: Rashmi Makol, Project Manager



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



Analysis Report

November 12, 2024

FOR: Attn: Jennifer Cherlin
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: SOIL
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time
10/30/24 14:15
10/31/24 18:15

Laboratory Data

SDG ID: GCR97583
Phoenix ID: CR97587

Project ID: INSPIRATION WHARF (PORT WASHINGTON)
Client ID: SB-8 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	1	11/01/24	CPP	SW6010D
Aluminum	11200	55	mg/Kg	10	11/01/24	CPP	SW6010D
Arsenic	8.98	0.73	mg/Kg	1	11/01/24	CPP	SW6010D
Barium	106	0.36	mg/Kg	1	11/01/24	CPP	SW6010D
Beryllium	0.45	0.29	mg/Kg	1	11/01/24	CPP	SW6010D
Calcium	700	5.5	mg/Kg	1	11/01/24	CPP	SW6010D
Cadmium	0.55	0.36	mg/Kg	1	11/01/24	CPP	SW6010D
Cobalt	7.26	0.36	mg/Kg	1	11/01/24	CPP	SW6010D
Chromium	19.6	0.36	mg/Kg	1	11/01/24	CPP	SW6010D
Copper	101	0.7	mg/kg	1	11/01/24	CPP	SW6010D
Iron	16900	55	mg/Kg	10	11/01/24	CPP	SW6010D
Mercury	< 0.03	0.03	mg/Kg	2	11/04/24	AL1	SW7471B
Potassium	984	55	mg/Kg	10	11/06/24	TH	SW6010D
Magnesium	1890	5.5	mg/Kg	1	11/01/24	CPP	SW6010D
Manganese	301	0.36	mg/Kg	1	11/01/24	CPP	SW6010D
Sodium	750	5.5	mg/Kg	1	11/01/24	CPP	SW6010D
Nickel	13.7	0.36	mg/Kg	1	11/01/24	CPP	SW6010D
Lead	218	0.36	mg/Kg	1	11/01/24	CPP	SW6010D
Antimony	< 3.6	3.6	mg/Kg	1	11/01/24	CPP	SW6010D
Selenium	< 1.5	1.5	mg/Kg	1	11/01/24	CPP	SW6010D
Thallium	< 3.3	3.3	mg/Kg	1	11/01/24	CPP	SW6010D
Vanadium	26.7	0.36	mg/Kg	1	11/01/24	CPP	SW6010D
Zinc	213	0.7	mg/Kg	1	11/01/24	CPP	SW6010D
Percent Solid	89		%		10/31/24	CV	SW846-%Solid
Corrosivity	Negative		Pos/Neg	1	10/31/24	AF/MW	SW846-Corr
Flash Point	>200	200	Degree F	1	11/05/24	G	SW1010B
Chromium, Hex. (SW3060A digestion	< 0.41	0.41	mg/Kg	1	11/01/24	NP	SW7196A
Ignitability	Passed	140	degree F	1	11/05/24	G	SW846-Ignit

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
pH at 25C - Soil	7.40	1.00	pH Units	1	10/31/24 23:03	AF/MW	SW846 9045D	1
Reactivity Cyanide	< 5	5	mg/Kg	1	11/05/24	NP/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20	mg/Kg	1	11/06/24	NP/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	11/06/24	NP/GD	SW846-React	1
Redox Potential	309		mV	1	10/31/24	AF/MW	SM2580B-09	1
Mercury Digestion	Completed				11/01/24	AC1/AC1	SW7471B	
Extraction of NY ETPH	Completed				10/31/24	J/H/X/	SW3546	
Soil Extraction for Herbicide	Completed				11/05/24	Y/MQ	SW3546	
Soil Extraction for PCB	Completed				11/01/24	GW/GW	SW3546	
Soil Extraction for Pesticides	Completed				11/01/24	GW/GW	SW3546	
Soil Extraction for SVOA	Completed				11/01/24	H/X/	SW3546	
Paint Filter Test	Passed		PASS/FAIL		10/31/24	O	SW9095B	
Total Metals Digest	Completed				10/31/24	J/AG	SW3050B	

Gasoline Range Hydrocarbons (C6-C10)

GRO (C6-C10)	ND	L 6.1	mg/Kg	50	11/02/24	V	SW8015D GRO

QA/QC Surrogates

% 2,5-Dibromotoluene (FID)	103		%	50	11/02/24	V	70 - 130 %

Chlorinated Herbicides

2,4,5-T	ND	140	ug/Kg	10	11/06/24	JRB	SW8151A
2,4,5-TP (Silvex)	ND	140	ug/Kg	10	11/06/24	JRB	SW8151A
2,4-D	ND	280	ug/Kg	10	11/06/24	JRB	SW8151A
2,4-DB	ND	2800	ug/Kg	10	11/06/24	JRB	SW8151A
Dalapon	ND	140	ug/Kg	10	11/06/24	JRB	SW8151A
Dicamba	ND	140	ug/Kg	10	11/06/24	JRB	SW8151A
Dichloroprop	ND	280	ug/Kg	10	11/06/24	JRB	SW8151A
Dinoseb	ND	280	ug/Kg	10	11/06/24	JRB	SW8151A

QA/QC Surrogates

% DCAA	75		%	10	11/06/24	JRB	30 - 150 %
% DCAA (Confirmation)	84		%	10	11/06/24	JRB	30 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	74	ug/Kg	2	11/04/24	SC	SW8082A
PCB-1221	ND	74	ug/Kg	2	11/04/24	SC	SW8082A
PCB-1232	ND	74	ug/Kg	2	11/04/24	SC	SW8082A
PCB-1242	ND	74	ug/Kg	2	11/04/24	SC	SW8082A
PCB-1248	ND	74	ug/Kg	2	11/04/24	SC	SW8082A
PCB-1254	ND	74	ug/Kg	2	11/04/24	SC	SW8082A
PCB-1260	ND	74	ug/Kg	2	11/04/24	SC	SW8082A
PCB-1262	ND	74	ug/Kg	2	11/04/24	SC	SW8082A
PCB-1268	ND	74	ug/Kg	2	11/04/24	SC	SW8082A

QA/QC Surrogates

% DCBP	73		%	2	11/04/24	SC	30 - 150 %
% DCBP (Confirmation)	81		%	2	11/04/24	SC	30 - 150 %
% TCMX	77		%	2	11/04/24	SC	30 - 150 %
% TCMX (Confirmation)	79		%	2	11/04/24	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Pesticides - Soil</u>							
4,4' -DDD	ND	2.2	ug/Kg	2	11/04/24	AW	SW8081B
4,4' -DDE	ND	2.2	ug/Kg	2	11/04/24	AW	SW8081B
4,4' -DDT	ND	2.2	ug/Kg	2	11/04/24	AW	SW8081B
a-BHC	ND	7.4	ug/Kg	2	11/04/24	AW	SW8081B
a-Chlordane	ND	3.7	ug/Kg	2	11/04/24	AW	SW8081B
Aldrin	ND	3.7	ug/Kg	2	11/04/24	AW	SW8081B
b-BHC	ND	7.4	ug/Kg	2	11/04/24	AW	SW8081B
Chlordane	ND	37	ug/Kg	2	11/04/24	AW	SW8081B
d-BHC	ND	7.4	ug/Kg	2	11/04/24	AW	SW8081B
Dieldrin	ND	3.7	ug/Kg	2	11/04/24	AW	SW8081B
Endosulfan I	ND	7.4	ug/Kg	2	11/04/24	AW	SW8081B
Endosulfan II	ND	7.4	ug/Kg	2	11/04/24	AW	SW8081B
Endosulfan sulfate	ND	7.4	ug/Kg	2	11/04/24	AW	SW8081B
Endrin	ND	7.4	ug/Kg	2	11/04/24	AW	SW8081B
Endrin aldehyde	ND	7.4	ug/Kg	2	11/04/24	AW	SW8081B
Endrin ketone	ND	7.4	ug/Kg	2	11/04/24	AW	SW8081B
g-BHC	ND	1.5	ug/Kg	2	11/04/24	AW	SW8081B
g-Chlordane	ND	3.7	ug/Kg	2	11/04/24	AW	SW8081B
Heptachlor	ND	7.4	ug/Kg	2	11/04/24	AW	SW8081B
Heptachlor epoxide	ND	7.4	ug/Kg	2	11/04/24	AW	SW8081B
Methoxychlor	ND	37	ug/Kg	2	11/04/24	AW	SW8081B
Toxaphene	ND	150	ug/Kg	2	11/04/24	AW	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	63		%	2	11/04/24	AW	30 - 150 %
% DCBP (Confirmation)	61		%	2	11/04/24	AW	30 - 150 %
% TCMX	63		%	2	11/04/24	AW	30 - 150 %
% TCMX (Confirmation)	65		%	2	11/04/24	AW	30 - 150 %
<u>TPH DRO (C10-C28)</u>							
Diesel Range Organics (C10-C28)	ND	56	mg/Kg	1	11/01/24	JRB	SW8015D DRO
<u>QA/QC Surrogates</u>							
% COD (surr)	88		%	1	11/01/24	JRB	50 - 150 %
% Terphenyl (surr)	90		%	1	11/01/24	JRB	50 - 150 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
1,2,4-Trichlorobenzene	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
1,2-Dichlorobenzene	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
1,2-Diphenylhydrazine	ND	360	ug/Kg	1	11/02/24	KCA	SW8270E
1,3-Dichlorobenzene	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
1,4-Dichlorobenzene	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
2,4,5-Trichlorophenol	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
2,4,6-Trichlorophenol	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
2,4-Dichlorophenol	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
2,4-Dimethylphenol	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
2,4-Dinitrophenol	ND	360	ug/Kg	1	11/02/24	KCA	SW8270E
2,4-Dinitrotoluene	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2,6-Dinitrotoluene	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
2-Chloronaphthalene	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
2-Chlorophenol	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
2-Methylnaphthalene	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
2-Methylphenol (o-cresol)	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
2-Nitroaniline	ND	360	ug/Kg	1	11/02/24	KCA	SW8270E
2-Nitrophenol	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	1	11/02/24	KCA	SW8270E
3,3'-Dichlorobenzidine	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
3-Nitroaniline	ND	360	ug/Kg	1	11/02/24	KCA	SW8270E
4,6-Dinitro-2-methylphenol	ND	360	ug/Kg	1	11/02/24	KCA	SW8270E
4-Bromophenyl phenyl ether	ND	360	ug/Kg	1	11/02/24	KCA	SW8270E
4-Chloro-3-methylphenol	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
4-Chloroaniline	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
4-Nitroaniline	ND	580	ug/Kg	1	11/02/24	KCA	SW8270E
4-Nitrophenol	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
Acenaphthene	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
Acenaphthylene	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
Acetophenone	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
Aniline	ND	360	ug/Kg	1	11/02/24	KCA	SW8270E
Anthracene	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
Benz(a)anthracene	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
Benzdine	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
Benzo(a)pyrene	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
Benzo(b)fluoranthene	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
Benzo(ghi)perylene	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
Benzo(k)fluoranthene	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
Benzoic acid	ND	730	ug/Kg	1	11/02/24	KCA	SW8270E
Benzyl butyl phthalate	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
Bis(2-chloroethyl)ether	ND	360	ug/Kg	1	11/02/24	KCA	SW8270E
Bis(2-ethylhexyl)phthalate	ND	360	ug/Kg	1	11/02/24	KCA	SW8270E
Carbazole	ND	360	ug/Kg	1	11/02/24	KCA	SW8270E
Chrysene	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
Dibenz(a,h)anthracene	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
Dibenzofuran	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
Diethyl phthalate	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
Dimethylphthalate	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
Di-n-butylphthalate	ND	360	ug/Kg	1	11/02/24	KCA	SW8270E
Di-n-octylphthalate	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
Fluoranthene	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
Fluorene	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
Hexachlorobenzene	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
Hexachlorobutadiene	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
Hexachlorocyclopentadiene	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
Hexachloroethane	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
Isophorone	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E

Client ID: SB-8 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Naphthalene	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
Nitrobenzene	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
N-Nitrosodimethylamine	ND	360	ug/Kg	1	11/02/24	KCA	SW8270E
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
N-Nitrosodiphenylamine	ND	360	ug/Kg	1	11/02/24	KCA	SW8270E
Pentachloronitrobenzene	ND	360	ug/Kg	1	11/02/24	KCA	SW8270E
Pentachlorophenol	ND	360	ug/Kg	1	11/02/24	KCA	SW8270E
Phenanthrene	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
Phenol	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
Pyrene	ND	250	ug/Kg	1	11/02/24	KCA	SW8270E
Pyridine	ND	360	ug/Kg	1	11/02/24	KCA	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	53		%	1	11/02/24	KCA	30 - 130 %
% 2-Fluorobiphenyl	60		%	1	11/02/24	KCA	30 - 130 %
% 2-Fluorophenol	53		%	1	11/02/24	KCA	30 - 130 %
% Nitrobenzene-d5	52		%	1	11/02/24	KCA	30 - 130 %
% Phenol-d5	50		%	1	11/02/24	KCA	30 - 130 %
% Terphenyl-d14	54		%	1	11/02/24	KCA	30 - 130 %

Client ID: SB-8 COMPOSITE

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 (preceded 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.

The TPH (C10-C28) is quantitated using an alkane 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.

Semi-Volatile Comment:

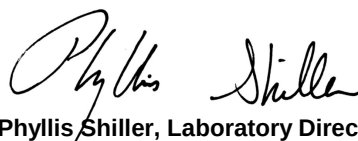
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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.

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

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



Phyllis Shiller, Laboratory Director

November 12, 2024

Reviewed and Released by: Rashmi Makol, Project Manager



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



Analysis Report

November 12, 2024

FOR: Attn: Jennifer Cherlin
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: SOIL
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

10/30/24
10/31/24

Time

14:30
18:15

Laboratory Data

SDG ID: GCR97583
Phoenix ID: CR97588

Project ID: INSPIRATION WHARF (PORT WASHINGTON)
Client ID: SB-7 GRAB (9.5-10')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Field Extraction	Completed				10/30/24		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,1-Trichloroethane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,2-Trichloroethane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloroethane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloroethene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloropropene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,3-Trichloropropane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dibromoethane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichlorobenzene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichloroethane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichloropropane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,3-Dichlorobenzene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,3-Dichloropropane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
1,4-Dichlorobenzene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
2,2-Dichloropropane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
2-Chlorotoluene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
2-Hexanone	ND	21	ug/Kg	1	11/02/24	JLI	SW8260D
2-Isopropyltoluene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
4-Methyl-2-pentanone	ND	21	ug/Kg	1	11/02/24	JLI	SW8260D
Acetone	ND	21	ug/Kg	1	11/02/24	JLI	SW8260D
Acrylonitrile	ND	8.3	ug/Kg	1	11/02/24	JLI	SW8260D
Benzene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Bromobenzene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Bromochloromethane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Bromodichloromethane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Bromoform	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Bromomethane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Carbon Disulfide	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Carbon tetrachloride	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Chlorobenzene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Chloroethane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Chloroform	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Chloromethane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
cis-1,2-Dichloroethene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
cis-1,3-Dichloropropene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Dibromochloromethane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Dibromomethane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Dichlorodifluoromethane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Ethylbenzene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Hexachlorobutadiene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Isopropylbenzene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
m&p-Xylene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Methyl Ethyl Ketone	ND	21	ug/Kg	1	11/02/24	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	8.3	ug/Kg	1	11/02/24	JLI	SW8260D
Methylene chloride	ND	8.3	ug/Kg	1	11/02/24	JLI	SW8260D
Naphthalene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
n-Butylbenzene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
n-Propylbenzene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
o-Xylene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
p-Isopropyltoluene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
sec-Butylbenzene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Styrene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
tert-Butylbenzene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Tetrachloroethene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Tetrahydrofuran (THF)	ND	8.3	ug/Kg	1	11/02/24	JLI	SW8260D
Toluene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Total Xylenes	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,2-Dichloroethene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,3-Dichloropropene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	8.3	ug/Kg	1	11/02/24	JLI	SW8260D
Trichloroethene	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Trichlorofluoromethane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Trichlorotrifluoroethane	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
Vinyl chloride	ND	4.2	ug/Kg	1	11/02/24	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	97		%	1	11/02/24	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	97		%	1	11/02/24	JLI	70 - 130 %
% Dibromofluoromethane	87		%	1	11/02/24	JLI	70 - 130 %
% Toluene-d8	98		%	1	11/02/24	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

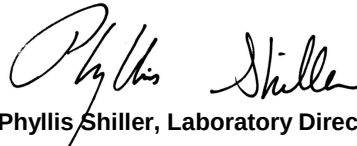
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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.
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Phyllis Shiller, Laboratory Director

November 12, 2024

Reviewed and Released by: Rashmi Makol, Project Manager



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



Analysis Report

November 12, 2024

FOR: Attn: Jennifer Cherlin
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: SOIL
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time
10/30/24 14:35
10/31/24 18:15

Laboratory Data

SDG ID: GCR97583
Phoenix ID: CR97589

Project ID: INSPIRATION WHARF (PORT WASHINGTON)
Client ID: SB-7 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	1	11/01/24	CPP	SW6010D
Aluminum	5140	5.5	mg/Kg	1	11/01/24	CPP	SW6010D
Arsenic	3.03	0.73	mg/Kg	1	11/01/24	CPP	SW6010D
Barium	90.8	0.36	mg/Kg	1	11/01/24	CPP	SW6010D
Beryllium	< 0.29	0.29	mg/Kg	1	11/01/24	CPP	SW6010D
Calcium	1230	5.5	mg/Kg	1	11/01/24	CPP	SW6010D
Cadmium	< 0.36	0.36	mg/Kg	1	11/01/24	CPP	SW6010D
Cobalt	4.47	0.36	mg/Kg	1	11/01/24	CPP	SW6010D
Chromium	10.7	0.36	mg/Kg	1	11/01/24	CPP	SW6010D
Copper	265	0.7	mg/kg	1	11/01/24	CPP	SW6010D
Iron	8470	5.5	mg/Kg	1	11/01/24	CPP	SW6010D
Mercury	0.08	0.03	mg/Kg	2	11/04/24	AL1	SW7471B
Potassium	769	55	mg/Kg	10	11/06/24	TH	SW6010D
Magnesium	1520	5.5	mg/Kg	1	11/01/24	CPP	SW6010D
Manganese	167	0.36	mg/Kg	1	11/01/24	CPP	SW6010D
Sodium	665	5.5	mg/Kg	1	11/01/24	CPP	SW6010D
Nickel	10.9	0.36	mg/Kg	1	11/01/24	CPP	SW6010D
Lead	202	0.36	mg/Kg	1	11/01/24	CPP	SW6010D
Antimony	< 3.6	3.6	mg/Kg	1	11/01/24	CPP	SW6010D
Selenium	< 1.5	1.5	mg/Kg	1	11/01/24	CPP	SW6010D
Thallium	< 3.3	3.3	mg/Kg	1	11/01/24	CPP	SW6010D
Vanadium	13.2	0.36	mg/Kg	1	11/01/24	CPP	SW6010D
Zinc	93.8	0.7	mg/Kg	1	11/01/24	CPP	SW6010D
Percent Solid	89		%		10/31/24	CV	SW846-%Solid
Corrosivity	Negative		Pos/Neg	1	10/31/24	AF/MW	SW846-Corr
Flash Point	>200	200	Degree F	1	11/05/24	G	SW1010B
Chromium, Hex. (SW3060A digestion	< 0.40	0.40	mg/Kg	1	11/01/24	NP	SW7196A
Ignitability	Passed	140	degree F	1	11/05/24	G	SW846-Ignit

Client ID: SB-7 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
pH at 25C - Soil	7.07	1.00	pH Units	1	10/31/24 23:03	AF/MW	SW846 9045D	1
Reactivity Cyanide	< 5	5	mg/Kg	1	11/05/24	NP/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20	mg/Kg	1	11/06/24	NP/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	11/06/24	NP/GD	SW846-React	1
Redox Potential	286		mV	1	10/31/24	AF/MW	SM2580B-09	1
Mercury Digestion	Completed				11/01/24	AC1/AC1	SW7471B	
Extraction of NY ETPH	Completed				10/31/24	J/H/X/	SW3546	
Soil Extraction for Herbicide	Completed				11/05/24	Y/MQ	SW3546	
Soil Extraction for PCB	Completed				11/01/24	GW/GW	SW3546	
Soil Extraction for Pesticides	Completed				11/01/24	GW/GW	SW3546	
Soil Extraction for SVOA	Completed				11/01/24	H/X/	SW3546	
Paint Filter Test	Passed		PASS/FAIL		10/31/24	O	SW9095B	
Total Metals Digest	Completed				10/31/24	J/AG	SW3050B	

Gasoline Range Hydrocarbons (C6-C10)

GRO (C6-C10)	ND	L 6.3	mg/Kg	50	11/02/24	V	SW8015D GRO

QA/QC Surrogates

% 2,5-Dibromotoluene (FID)	102		%	50	11/02/24	V	70 - 130 %

Chlorinated Herbicides

2,4,5-T	ND	140	ug/Kg	10	11/06/24	JRB	SW8151A
2,4,5-TP (Silvex)	ND	140	ug/Kg	10	11/06/24	JRB	SW8151A
2,4-D	ND	280	ug/Kg	10	11/06/24	JRB	SW8151A
2,4-DB	ND	2800	ug/Kg	10	11/06/24	JRB	SW8151A
Dalapon	ND	140	ug/Kg	10	11/06/24	JRB	SW8151A
Dicamba	ND	140	ug/Kg	10	11/06/24	JRB	SW8151A
Dichloroprop	ND	280	ug/Kg	10	11/06/24	JRB	SW8151A
Dinoseb	ND	280	ug/Kg	10	11/06/24	JRB	SW8151A

QA/QC Surrogates

% DCAA	80		%	10	11/06/24	JRB	30 - 150 %
% DCAA (Confirmation)	89		%	10	11/06/24	JRB	30 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	74	ug/Kg	2	11/04/24	SC	SW8082A
PCB-1221	ND	74	ug/Kg	2	11/04/24	SC	SW8082A
PCB-1232	ND	74	ug/Kg	2	11/04/24	SC	SW8082A
PCB-1242	ND	74	ug/Kg	2	11/04/24	SC	SW8082A
PCB-1248	ND	74	ug/Kg	2	11/04/24	SC	SW8082A
PCB-1254	ND	74	ug/Kg	2	11/04/24	SC	SW8082A
PCB-1260	ND	74	ug/Kg	2	11/04/24	SC	SW8082A
PCB-1262	ND	74	ug/Kg	2	11/04/24	SC	SW8082A
PCB-1268	ND	74	ug/Kg	2	11/04/24	SC	SW8082A

QA/QC Surrogates

% DCBP	88		%	2	11/04/24	SC	30 - 150 %
% DCBP (Confirmation)	98		%	2	11/04/24	SC	30 - 150 %
% TCMX	86		%	2	11/04/24	SC	30 - 150 %
% TCMX (Confirmation)	88		%	2	11/04/24	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Pesticides - Soil</u>							
4,4' -DDD	ND	2.2	ug/Kg	2	11/04/24	AW	SW8081B
4,4' -DDE	ND	2.2	ug/Kg	2	11/04/24	AW	SW8081B
4,4' -DDT	ND	2.2	ug/Kg	2	11/04/24	AW	SW8081B
a-BHC	ND	7.4	ug/Kg	2	11/04/24	AW	SW8081B
a-Chlordane	5.2	3.7	ug/Kg	2	11/04/24	AW	SW8081B
Aldrin	ND	3.7	ug/Kg	2	11/04/24	AW	SW8081B
b-BHC	ND	7.4	ug/Kg	2	11/04/24	AW	SW8081B
Chlordane	ND	37	ug/Kg	2	11/04/24	AW	SW8081B
d-BHC	ND	7.4	ug/Kg	2	11/04/24	AW	SW8081B
Dieldrin	7.6	3.7	ug/Kg	2	11/04/24	AW	SW8081B
Endosulfan I	ND	7.4	ug/Kg	2	11/04/24	AW	SW8081B
Endosulfan II	ND	7.4	ug/Kg	2	11/04/24	AW	SW8081B
Endosulfan sulfate	ND	7.4	ug/Kg	2	11/04/24	AW	SW8081B
Endrin	ND	7.4	ug/Kg	2	11/04/24	AW	SW8081B
Endrin aldehyde	ND	7.4	ug/Kg	2	11/04/24	AW	SW8081B
Endrin ketone	ND	7.4	ug/Kg	2	11/04/24	AW	SW8081B
g-BHC	ND	1.5	ug/Kg	2	11/04/24	AW	SW8081B
g-Chlordane	4.9	3.7	ug/Kg	2	11/04/24	AW	SW8081B
Heptachlor	ND	7.4	ug/Kg	2	11/04/24	AW	SW8081B
Heptachlor epoxide	ND	7.4	ug/Kg	2	11/04/24	AW	SW8081B
Methoxychlor	ND	37	ug/Kg	2	11/04/24	AW	SW8081B
Toxaphene	ND	150	ug/Kg	2	11/04/24	AW	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	77		%	2	11/04/24	AW	30 - 150 %
% DCBP (Confirmation)	51		%	2	11/04/24	AW	30 - 150 %
% TCMX	75		%	2	11/04/24	AW	30 - 150 %
% TCMX (Confirmation)	68		%	2	11/04/24	AW	30 - 150 %
<u>TPH DRO (C10-C28)</u>							
Diesel Range Organics (C10-C28)	ND	55	mg/Kg	1	11/01/24	JRB	SW8015D DRO
<u>QA/QC Surrogates</u>							
% COD (surr)	79		%	1	11/01/24	JRB	50 - 150 %
% Terphenyl (surr)	91		%	1	11/01/24	JRB	50 - 150 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
1,2,4-Trichlorobenzene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
1,2-Dichlorobenzene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
1,2-Diphenylhydrazine	ND	370	ug/Kg	1	11/02/24	KCA	SW8270E
1,3-Dichlorobenzene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
1,4-Dichlorobenzene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
2,4,6-Trichlorophenol	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
2,4-Dichlorophenol	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
2,4-Dimethylphenol	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
2,4-Dinitrophenol	ND	370	ug/Kg	1	11/02/24	KCA	SW8270E
2,4-Dinitrotoluene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E

Client ID: SB-7 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2,6-Dinitrotoluene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
2-Chloronaphthalene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
2-Chlorophenol	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
2-Methylnaphthalene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
2-Methylphenol (o-cresol)	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
2-Nitroaniline	ND	370	ug/Kg	1	11/02/24	KCA	SW8270E
2-Nitrophenol	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	1	11/02/24	KCA	SW8270E
3,3'-Dichlorobenzidine	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
3-Nitroaniline	ND	370	ug/Kg	1	11/02/24	KCA	SW8270E
4,6-Dinitro-2-methylphenol	ND	370	ug/Kg	1	11/02/24	KCA	SW8270E
4-Bromophenyl phenyl ether	ND	370	ug/Kg	1	11/02/24	KCA	SW8270E
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
4-Chloroaniline	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
4-Nitroaniline	ND	590	ug/Kg	1	11/02/24	KCA	SW8270E
4-Nitrophenol	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Acenaphthene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Acenaphthylene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Acetophenone	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Aniline	ND	370	ug/Kg	1	11/02/24	KCA	SW8270E
Anthracene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Benz(a)anthracene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Benidine	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Benzo(a)pyrene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Benzo(b)fluoranthene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Benzo(ghi)perylene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Benzo(k)fluoranthene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Benzoic acid	ND	730	ug/Kg	1	11/02/24	KCA	SW8270E
Benzyl butyl phthalate	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Bis(2-chloroethyl)ether	ND	370	ug/Kg	1	11/02/24	KCA	SW8270E
Bis(2-ethylhexyl)phthalate	ND	370	ug/Kg	1	11/02/24	KCA	SW8270E
Carbazole	ND	370	ug/Kg	1	11/02/24	KCA	SW8270E
Chrysene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Dibenzofuran	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Diethyl phthalate	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Dimethylphthalate	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Di-n-butylphthalate	ND	370	ug/Kg	1	11/02/24	KCA	SW8270E
Di-n-octylphthalate	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Fluoranthene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Fluorene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Hexachlorobenzene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Hexachlorobutadiene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Hexachloroethane	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Isophorone	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E

Client ID: SB-7 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Naphthalene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Nitrobenzene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
N-Nitrosodimethylamine	ND	370	ug/Kg	1	11/02/24	KCA	SW8270E
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
N-Nitrosodiphenylamine	ND	370	ug/Kg	1	11/02/24	KCA	SW8270E
Pentachloronitrobenzene	ND	370	ug/Kg	1	11/02/24	KCA	SW8270E
Pentachlorophenol	ND	370	ug/Kg	1	11/02/24	KCA	SW8270E
Phenanthrene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Phenol	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Pyrene	ND	260	ug/Kg	1	11/02/24	KCA	SW8270E
Pyridine	ND	370	ug/Kg	1	11/02/24	KCA	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	78		%	1	11/02/24	KCA	30 - 130 %
% 2-Fluorobiphenyl	78		%	1	11/02/24	KCA	30 - 130 %
% 2-Fluorophenol	69		%	1	11/02/24	KCA	30 - 130 %
% Nitrobenzene-d5	71		%	1	11/02/24	KCA	30 - 130 %
% Phenol-d5	67		%	1	11/02/24	KCA	30 - 130 %
% Terphenyl-d14	70		%	1	11/02/24	KCA	30 - 130 %

Client ID: SB-7 COMPOSITE

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 (preceded 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.

The TPH (C10-C28) is quantitated using an alkane 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.

Semi-Volatile Comment:

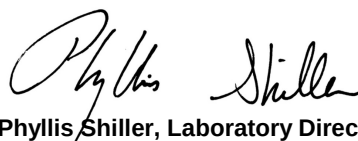
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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.

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

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



Phyllis Shiller, Laboratory Director

November 12, 2024

Reviewed and Released by: Rashmi Makol, Project Manager



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



Analysis Report

November 12, 2024

FOR: Attn: Jennifer Cherlin
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: SOIL
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

10/31/24
10/31/24

Time

10:00
18:15

Laboratory Data

SDG ID: GCR97583
Phoenix ID: CR97590

Project ID: INSPIRATION WHARF (PORT WASHINGTON)
Client ID: SB-11 GRAB (9.5-10')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Field Extraction	Completed				10/31/24		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,1-Trichloroethane	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,2-Trichloroethane	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloroethane	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloroethene	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloropropene	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,3-Trichloropropane	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dibromoethane	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichlorobenzene	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichloroethane	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichloropropane	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
1,3-Dichlorobenzene	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
1,3-Dichloropropane	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
1,4-Dichlorobenzene	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
2,2-Dichloropropane	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
2-Chlorotoluene	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
2-Hexanone	ND	30	ug/Kg	1	11/02/24	JLI	SW8260D
2-Isopropyltoluene	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
4-Methyl-2-pentanone	ND	30	ug/Kg	1	11/02/24	JLI	SW8260D
Acetone	ND	30	ug/Kg	1	11/02/24	JLI	SW8260D
Acrylonitrile	ND	12	ug/Kg	1	11/02/24	JLI	SW8260D
Benzene	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
Bromobenzene	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
Bromochloromethane	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
Bromodichloromethane	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
Bromoform	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
Bromomethane	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
Carbon Disulfide	5.1	4.8	ug/Kg	1	11/02/24	JLI	SW8260D
Carbon tetrachloride	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
Chlorobenzene	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
Chloroethane	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
Chloroform	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
Chloromethane	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
cis-1,2-Dichloroethene	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
cis-1,3-Dichloropropene	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
Dibromochloromethane	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
Dibromomethane	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
Dichlorodifluoromethane	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
Ethylbenzene	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
Hexachlorobutadiene	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
Isopropylbenzene	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
m&p-Xylene	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
Methyl Ethyl Ketone	ND	30	ug/Kg	1	11/02/24	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	1	11/02/24	JLI	SW8260D
Methylene chloride	ND	12	ug/Kg	1	11/02/24	JLI	SW8260D
Naphthalene	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
n-Butylbenzene	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
n-Propylbenzene	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
o-Xylene	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
p-Isopropyltoluene	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
sec-Butylbenzene	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
Styrene	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
tert-Butylbenzene	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
Tetrachloroethene	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
Tetrahydrofuran (THF)	ND	12	ug/Kg	1	11/02/24	JLI	SW8260D
Toluene	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
Total Xylenes	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,2-Dichloroethene	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,3-Dichloropropene	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	1	11/02/24	JLI	SW8260D
Trichloroethene	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
Trichlorofluoromethane	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
Trichlorotrifluoroethane	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
Vinyl chloride	ND	6.1	ug/Kg	1	11/02/24	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	97		%	1	11/02/24	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	95		%	1	11/02/24	JLI	70 - 130 %
% Dibromofluoromethane	86		%	1	11/02/24	JLI	70 - 130 %
% Toluene-d8	100		%	1	11/02/24	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

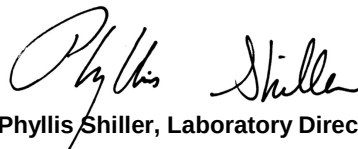
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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

November 12, 2024

Reviewed and Released by: Rashmi Makol, Project Manager



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



Analysis Report

November 12, 2024

FOR: Attn: Jennifer Cherlin
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: SOIL
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time
10/30/24 10:31
10/31/24 18:15

Laboratory Data

SDG ID: GCR97583
Phoenix ID: CR97591

Project ID: INSPIRATION WHARF (PORT WASHINGTON)
Client ID: SB-11 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.44	0.44	mg/Kg	1	11/01/24	CPP	SW6010D
Aluminum	6400	6.6	mg/Kg	1	11/01/24	CPP	SW6010D
Arsenic	11.1	0.88	mg/Kg	1	11/01/24	CPP	SW6010D
Barium	81.8	0.44	mg/Kg	1	11/01/24	CPP	SW6010D
Beryllium	< 0.35	0.35	mg/Kg	1	11/01/24	CPP	SW6010D
Calcium	5910	6.6	mg/Kg	1	11/01/24	CPP	SW6010D
Cadmium	< 0.44	0.44	mg/Kg	1	11/01/24	CPP	SW6010D
Cobalt	4.34	0.44	mg/Kg	1	11/01/24	CPP	SW6010D
Chromium	13.2	0.44	mg/Kg	1	11/01/24	CPP	SW6010D
Copper	72.1	0.9	mg/kg	1	11/01/24	CPP	SW6010D
Iron	9940	6.6	mg/Kg	1	11/01/24	CPP	SW6010D
Mercury	0.30	0.03	mg/Kg	2	11/04/24	AL1	SW7471B
Potassium	1070	66	mg/Kg	10	11/06/24	TH	SW6010D
Magnesium	1930	6.6	mg/Kg	1	11/01/24	CPP	SW6010D
Manganese	179	0.44	mg/Kg	1	11/01/24	CPP	SW6010D
Sodium	2070	6.6	mg/Kg	1	11/01/24	CPP	SW6010D
Nickel	10.8	0.44	mg/Kg	1	11/01/24	CPP	SW6010D
Lead	368	0.44	mg/Kg	1	11/01/24	CPP	SW6010D
Antimony	< 4.4	4.4	mg/Kg	1	11/01/24	CPP	SW6010D
Selenium	< 1.8	1.8	mg/Kg	1	11/01/24	CPP	SW6010D
Thallium	< 4.0	4.0	mg/Kg	1	11/01/24	CPP	SW6010D
Vanadium	17.5	0.44	mg/Kg	1	11/01/24	CPP	SW6010D
Zinc	191	0.9	mg/Kg	1	11/01/24	CPP	SW6010D
Percent Solid	78		%		10/31/24	CV	SW846-%Solid
Corrosivity	Negative		Pos/Neg	1	10/31/24	AF	SW846-Corr
Flash Point	>200	200	Degree F	1	11/01/24	G	SW1010B
Chromium, Hex. (SW3060A digestion)	< 0.44	0.44	mg/Kg	1	11/01/24	NP	SW7196A
Ignitability	Passed	140	degree F	1	11/01/24	G	SW846-Ignit

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
pH at 25C - Soil	7.33	1.00	pH Units	1	10/31/24 23:03	AF	SW846 9045D	1
Reactivity Cyanide	< 6	6	mg/Kg	1	11/05/24	NP/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20	mg/Kg	1	11/06/24	NP/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	11/06/24	NP/GD	SW846-React	1
Redox Potential	324		mV	1	10/31/24	AF	SM2580B-09	1
Mercury Digestion	Completed				11/01/24	AC1/AC1	SW7471B	
Extraction of NY ETPH	Completed				10/31/24	J/H/X/	SW3546	
Soil Extraction for Herbicide	Completed				11/06/24	Y/MQ	SW3546	
Soil Extraction for PCB	Completed				11/01/24	GW/GW	SW3546	
Soil Extraction for Pesticides	Completed				11/01/24	GW/GW	SW3546	
Soil Extraction for SVOA	Completed				11/04/24	RB/RB	SW3546	
Paint Filter Test	Passed		PASS/FAIL		10/31/24	O	SW9095B	
Total Metals Digest	Completed				10/31/24	J/AG	SW3050B	

Gasoline Range Hydrocarbons (C6-C10)

GRO (C6-C10)	ND	L 7.8	mg/Kg	50	11/01/24	V	SW8015D GRO

QA/QC Surrogates

% 2,5-Dibromotoluene (FID)	102		%	50	11/01/24	V	70 - 130 %

Chlorinated Herbicides

2,4,5-T	ND	160	ug/Kg	10	11/08/24	JRB	SW8151A
2,4,5-TP (Silvex)	ND	160	ug/Kg	10	11/08/24	JRB	SW8151A
2,4-D	ND	320	ug/Kg	10	11/08/24	JRB	SW8151A
2,4-DB	ND	3200	ug/Kg	10	11/08/24	JRB	SW8151A
Dalapon	ND	160	ug/Kg	10	11/08/24	JRB	SW8151A
Dicamba	ND	160	ug/Kg	10	11/08/24	JRB	SW8151A
Dichloroprop	ND	320	ug/Kg	10	11/08/24	JRB	SW8151A
Dinoseb	ND	320	ug/Kg	10	11/08/24	JRB	SW8151A

QA/QC Surrogates

% DCAA	73		%	10	11/08/24	JRB	30 - 150 %
% DCAA (Confirmation)	68		%	10	11/08/24	JRB	30 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	83	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1221	ND	83	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1232	ND	83	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1242	ND	83	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1248	ND	83	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1254	ND	83	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1260	ND	83	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1262	ND	83	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1268	ND	83	ug/Kg	2	11/05/24	SC	SW8082A

QA/QC Surrogates

% DCBP	63		%	2	11/05/24	SC	30 - 150 %
% DCBP (Confirmation)	67		%	2	11/05/24	SC	30 - 150 %
% TCMX	79		%	2	11/05/24	SC	30 - 150 %
% TCMX (Confirmation)	74		%	2	11/05/24	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Pesticides - Soil</u>							
4,4' -DDD	ND	2.5	ug/Kg	2	11/04/24	AW	SW8081B
4,4' -DDE	17	2.5	ug/Kg	2	11/04/24	AW	SW8081B
4,4' -DDT	10	2.5	ug/Kg	2	11/04/24	AW	SW8081B
a-BHC	ND	8.3	ug/Kg	2	11/04/24	AW	SW8081B
a-Chlordane	ND	4.2	ug/Kg	2	11/04/24	AW	SW8081B
Aldrin	ND	4.2	ug/Kg	2	11/04/24	AW	SW8081B
b-BHC	ND	8.3	ug/Kg	2	11/04/24	AW	SW8081B
Chlordane	ND	42	ug/Kg	2	11/04/24	AW	SW8081B
d-BHC	ND	8.3	ug/Kg	2	11/04/24	AW	SW8081B
Dieldrin	ND	4.2	ug/Kg	2	11/04/24	AW	SW8081B
Endosulfan I	ND	8.3	ug/Kg	2	11/04/24	AW	SW8081B
Endosulfan II	ND	8.3	ug/Kg	2	11/04/24	AW	SW8081B
Endosulfan sulfate	ND	8.3	ug/Kg	2	11/04/24	AW	SW8081B
Endrin	ND	8.3	ug/Kg	2	11/04/24	AW	SW8081B
Endrin aldehyde	ND	8.3	ug/Kg	2	11/04/24	AW	SW8081B
Endrin ketone	ND	8.3	ug/Kg	2	11/04/24	AW	SW8081B
g-BHC	ND	1.7	ug/Kg	2	11/04/24	AW	SW8081B
g-Chlordane	ND	4.2	ug/Kg	2	11/04/24	AW	SW8081B
Heptachlor	ND	8.3	ug/Kg	2	11/04/24	AW	SW8081B
Heptachlor epoxide	ND	8.3	ug/Kg	2	11/04/24	AW	SW8081B
Methoxychlor	ND	42	ug/Kg	2	11/04/24	AW	SW8081B
Toxaphene	ND	170	ug/Kg	2	11/04/24	AW	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	60		%	2	11/04/24	AW	30 - 150 %
% DCBP (Confirmation)	58		%	2	11/04/24	AW	30 - 150 %
% TCMX	60		%	2	11/04/24	AW	30 - 150 %
% TCMX (Confirmation)	87		%	2	11/04/24	AW	30 - 150 %
<u>TPH DRO (C10-C28)</u>							
Diesel Range Organics (C10-C28)	ND	320	mg/Kg	5	11/01/24	JRB	SW8015D DRO
<u>QA/QC Surrogates</u>							
% COD (surr)	Interference		%	5	11/01/24	JRB	50 - 150 %
% Terphenyl (surr)	135		%	5	11/01/24	JRB	50 - 150 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
1,2,4-Trichlorobenzene	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
1,2-Dichlorobenzene	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
1,2-Diphenylhydrazine	ND	430	ug/Kg	1	11/04/24	MR	SW8270E
1,3-Dichlorobenzene	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
1,4-Dichlorobenzene	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
2,4,5-Trichlorophenol	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
2,4,6-Trichlorophenol	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
2,4-Dichlorophenol	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
2,4-Dimethylphenol	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
2,4-Dinitrophenol	ND	430	ug/Kg	1	11/04/24	MR	SW8270E
2,4-Dinitrotoluene	ND	300	ug/Kg	1	11/04/24	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2,6-Dinitrotoluene	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
2-Chloronaphthalene	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
2-Chlorophenol	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
2-Methylnaphthalene	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
2-Methylphenol (o-cresol)	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
2-Nitroaniline	ND	430	ug/Kg	1	11/04/24	MR	SW8270E
2-Nitrophenol	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	1	11/04/24	MR	SW8270E
3,3'-Dichlorobenzidine	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
3-Nitroaniline	ND	430	ug/Kg	1	11/04/24	MR	SW8270E
4,6-Dinitro-2-methylphenol	ND	430	ug/Kg	1	11/04/24	MR	SW8270E
4-Bromophenyl phenyl ether	ND	430	ug/Kg	1	11/04/24	MR	SW8270E
4-Chloro-3-methylphenol	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
4-Chloroaniline	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
4-Nitroaniline	ND	680	ug/Kg	1	11/04/24	MR	SW8270E
4-Nitrophenol	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
Acenaphthene	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
Acenaphthylene	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
Acetophenone	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
Aniline	ND	430	ug/Kg	1	11/04/24	MR	SW8270E
Anthracene	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
Benz(a)anthracene	670	300	ug/Kg	1	11/04/24	MR	SW8270E
Benzidine	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
Benzo(a)pyrene	590	300	ug/Kg	1	11/04/24	MR	SW8270E
Benzo(b)fluoranthene	740	300	ug/Kg	1	11/04/24	MR	SW8270E
Benzo(ghi)perylene	370	300	ug/Kg	1	11/04/24	MR	SW8270E
Benzo(k)fluoranthene	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
Benzoic acid	ND	850	ug/Kg	1	11/04/24	MR	SW8270E
Benzyl butyl phthalate	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
Bis(2-chloroethyl)ether	ND	430	ug/Kg	1	11/04/24	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	430	ug/Kg	1	11/04/24	MR	SW8270E
Carbazole	ND	430	ug/Kg	1	11/04/24	MR	SW8270E
Chrysene	620	300	ug/Kg	1	11/04/24	MR	SW8270E
Dibenz(a,h)anthracene	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
Dibenzofuran	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
Diethyl phthalate	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
Dimethylphthalate	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
Di-n-butylphthalate	ND	430	ug/Kg	1	11/04/24	MR	SW8270E
Di-n-octylphthalate	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
Fluoranthene	1300	300	ug/Kg	1	11/04/24	MR	SW8270E
Fluorene	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
Hexachlorobenzene	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
Hexachlorobutadiene	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
Hexachlorocyclopentadiene	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
Hexachloroethane	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
Indeno(1,2,3-cd)pyrene	360	300	ug/Kg	1	11/04/24	MR	SW8270E
Isophorone	ND	300	ug/Kg	1	11/04/24	MR	SW8270E

Client ID: SB-11 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Naphthalene	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
Nitrobenzene	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
N-Nitrosodimethylamine	ND	430	ug/Kg	1	11/04/24	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
N-Nitrosodiphenylamine	ND	430	ug/Kg	1	11/04/24	MR	SW8270E
Pentachloronitrobenzene	ND	430	ug/Kg	1	11/04/24	MR	SW8270E
Pentachlorophenol	ND	430	ug/Kg	1	11/04/24	MR	SW8270E
Phenanthrene	630	300	ug/Kg	1	11/04/24	MR	SW8270E
Phenol	ND	300	ug/Kg	1	11/04/24	MR	SW8270E
Pyrene	1100	300	ug/Kg	1	11/04/24	MR	SW8270E
Pyridine	ND	430	ug/Kg	1	11/04/24	MR	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	89		%	1	11/04/24	MR	30 - 130 %
% 2-Fluorobiphenyl	72		%	1	11/04/24	MR	30 - 130 %
% 2-Fluorophenol	64		%	1	11/04/24	MR	30 - 130 %
% Nitrobenzene-d5	64		%	1	11/04/24	MR	30 - 130 %
% Phenol-d5	68		%	1	11/04/24	MR	30 - 130 %
% Terphenyl-d14	82		%	1	11/04/24	MR	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 (preceded 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.

The TPH (C10-C28) is quantitated using an alkane 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.

TPH Comment:

The sample chromatogram exhibited non-DRO material outside the C10-C28 range.

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.

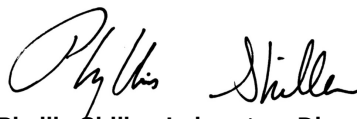
Semi-Volatile Comment:

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

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.

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



Phyllis Shiller, Laboratory Director

November 12, 2024

Reviewed and Released by: Rashmi Makol, Project Manager



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



Analysis Report

November 12, 2024

FOR: Attn: Jennifer Cherlin
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: GROUND WATER
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

10/31/24
10/31/24

Time

10:30
18:15

Laboratory Data

SDG ID: GCR97583
Phoenix ID: CR97592

Project ID: INSPIRATION WHARF (PORT WASHINGTON)
Client ID: TW-11 (5-10`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.001	0.001	mg/L	1	11/05/24	TH	SW6010D
Aluminum	88.6	0.020	mg/L	1	11/05/24	TH	SW6010D
Arsenic	0.139	0.004	mg/L	1	11/05/24	TH	SW6010D
Barium	1.52	0.002	mg/L	1	11/05/24	TH	SW6010D
Beryllium	0.003	0.001	mg/L	1	11/05/24	TH	SW6010D
Calcium	341	0.10	mg/L	10	11/05/24	TH	SW6010D
Cadmium	0.004	0.001	mg/L	1	11/05/24	TH	SW6010D
Cobalt	0.054	0.002	mg/L	1	11/05/24	TH	SW6010D
Chromium	0.213	0.001	mg/L	1	11/05/24	TH	SW6010D
Copper	1.19	0.005	mg/L	1	11/05/24	TH	SW6010D
Silver (Dissolved)	< 0.001	0.001	mg/L	1	11/01/24	TH	SW6010D
Aluminum (Dissolved)	0.030	0.011	mg/L	1	11/01/24	TH	SW6010D
Arsenic (Dissolved)	< 0.004	0.004	mg/L	1	11/01/24	TH	SW6010D
Barium (Dissolved)	0.120	0.002	mg/L	1	11/01/24	TH	SW6010D
Beryllium (Dissolved)	< 0.001	0.001	mg/L	1	11/01/24	TH	SW6010D
Calcium (Dissolved)	323	0.11	mg/L	10	11/05/24	TH	SW6010D
Cadmium (Dissolved)	< 0.001	0.001	mg/L	1	11/01/24	TH	SW6010D
Cobalt (Dissolved)	< 0.001	0.001	mg/L	1	11/01/24	TH	SW6010D
Chromium (Dissolved)	< 0.001	0.001	mg/L	1	11/01/24	TH	SW6010D
Copper (Dissolved)	< 0.005	0.005	mg/L	1	11/01/24	TH	SW6010D
Iron (Dissolved)	< 0.011	0.011	mg/L	1	11/01/24	TH	SW6010D
Mercury (Dissolved)	< 0.0002	0.0002	mg/L	1	11/01/24	AL1	SW7470A
Potassium (Dissolved)	280	11	mg/L	100	11/06/24	TH	SW6010D
Magnesium (Dissolved)	902	1.1	mg/L	100	11/05/24	TH	SW6010D
Manganese (Dissolved)	0.108	0.001	mg/L	1	11/01/24	TH	SW6010D
Sodium (Dissolved)	7080	110	mg/L	1000	11/05/24	TH	SW6010D
Nickel (Dissolved)	0.001	0.001	mg/L	1	11/01/24	TH	SW6010D
Lead (Dissolved)	< 0.002	0.002	mg/L	1	11/01/24	TH	SW6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Antimony (Dissolved)	< 0.003	0.003	mg/L	1	11/01/24	TH	SW6010D	
Selenium (Dissolved)	< 0.010	0.010	mg/L	1	11/01/24	TH	SW6010D	
Thallium, Dissolved	< 0.0005	0.0005	mg/L	1	11/01/24	PS	SW6010D	
Vanadium (Dissolved)	< 0.002	0.002	mg/L	1	11/01/24	TH	SW6010D	
Zinc (Dissolved)	0.014	0.002	mg/L	1	11/01/24	TH	SW6010D	
Iron	225	0.10	mg/L	10	11/05/24	TH	SW6010D	
Mercury	0.0015	0.0002	mg/L	1	11/01/24	ZT	SW7470A	
Potassium	300	10	mg/L	100	11/05/24	TH	SW6010D	
Magnesium	944	1.0	mg/L	100	11/05/24	TH	SW6010D	
Manganese	1.84	0.010	mg/L	10	11/05/24	TH	SW6010D	
Sodium	7750	100	mg/L	1000	11/05/24	TH	SW6010D	
Nickel	0.150	0.001	mg/L	1	11/05/24	TH	SW6010D	
Lead	2.88	0.001	mg/L	1	11/05/24	TH	SW6010D	
Antimony	0.029	0.003	mg/L	1	11/05/24	TH	SW6010D	
Selenium	< 0.010	0.010	mg/L	1	11/05/24	TH	SW6010D	
Thallium	< 0.0005	0.0005	mg/L	1	11/05/24	PS	SW6010D	
Vanadium	0.189	0.002	mg/L	1	11/05/24	TH	SW6010D	
Zinc	1.91	0.004	mg/L	1	11/05/24	TH	SW6010D	
Corrosivity	Negative		Pos/Neg	1	10/31/24	AF	SW846-Corr	1
Flash Point	>200	200	Degree F	1	11/06/24	G	SW1010B	
Chromium, Hexavalent	< 0.02	0.02	mg/L	2	10/31/24 21:34	KL1	SM3500CRB-11	
Ignitability	Passed	140	degree F	1	11/06/24	G	SW846-Ignit	1
pH	7.24	1.00	pH Units	1	10/31/24 23:03	AF	SM4500-H B-11	1
Reactivity Cyanide	< 2.0	2.0	mg/L	2.01	11/05/24	NP/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 5	5	mg/L	1	11/06/24	NP/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	11/06/24	NP/GD	SW846-React	1
Lab Filtration	Completed				10/31/24	AG	0.45um Filter	
Dissolved Mercury Digestion	Completed				11/01/24	AK/AK	SW7470A	
Mercury Digestion	Completed				11/01/24	AK/AK	SW7470A	
Extraction for Herbicide	Completed				11/01/24	CV/D	SW8151A	
PCB Extraction (LDL)	Completed				11/04/24	A/A	SW3510C	
Extraction for Pest (LDL)	Completed				11/04/24	A/A	SW3510C	
Semi-Volatile Extraction	Completed				11/05/24	Z/MQ	SW3520C	
Total Metals Digestion (GFAA)	Completed				11/01/24	AG	SM3113B-10	
Dissolved Metals Preparation	Completed				10/31/24	AG	SW3005A	
Dissolved Metals Preparation (MS)	Completed				11/01/24	AG	SW3005A	
Total Metals Digestion	Completed				11/04/24	AG	SW3010A	
Total Metals Digestion MS	Completed				11/04/24	AG	SW3010A	
Extraction of TPH	Completed				11/07/24	Z/MQ	SW3510C/SW3520C	

Gasoline Range Hydrocarbons

GRO (C6-C10)	ND	0.050	mg/L	1	11/01/24	V	SW8015D	1

QA/QC Surrogates

% 2,5-Dibromotoluene (FID)	101		%	1	11/01/24	V	70 - 130 %	

Chlorinated Herbicides

2,4,5-T	ND	0.25	ug/L	1	11/04/24	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	0.25	ug/L	1	11/04/24	JRB	SW8151A	
2,4-D	ND	0.50	ug/L	1	11/04/24	JRB	SW8151A	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2,4-DB	ND	5.0	ug/L	1	11/04/24	JRB	SW8151A
Dalapon	ND	0.25	ug/L	1	11/04/24	JRB	SW8151A
Dicamba	ND	0.25	ug/L	1	11/04/24	JRB	SW8151A
Dichloroprop	ND	0.50	ug/L	1	11/04/24	JRB	SW8151A
Dinoseb	ND	0.50	ug/L	1	11/04/24	JRB	SW8151A
<u>QA/QC Surrogates</u>							
% DCAA	77		%	1	11/04/24	JRB	30 - 150 %
% DCAA (Confirmation)	42		%	1	11/04/24	JRB	30 - 150 %
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	0.049	ug/L	1	11/05/24	SC	SW8082A
PCB-1221	ND	0.049	ug/L	1	11/05/24	SC	SW8082A
PCB-1232	ND	0.049	ug/L	1	11/05/24	SC	SW8082A
PCB-1242	ND	0.049	ug/L	1	11/05/24	SC	SW8082A
PCB-1248	ND	0.049	ug/L	1	11/05/24	SC	SW8082A
PCB-1254	0.071	0.049	ug/L	1	11/05/24	SC	SW8082A
PCB-1260	ND	0.049	ug/L	1	11/05/24	SC	SW8082A
PCB-1262	ND	0.049	ug/L	1	11/05/24	SC	SW8082A
PCB-1268	ND	0.049	ug/L	1	11/05/24	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	76		%	1	11/05/24	SC	30 - 150 %
% DCBP (Confirmation)	73		%	1	11/05/24	SC	30 - 150 %
% TCMX	65		%	1	11/05/24	SC	30 - 150 %
% TCMX (Confirmation)	59		%	1	11/05/24	SC	30 - 150 %
<u>Pesticides</u>							
4,4' -DDD	ND	0.019	ug/L	10	11/06/24	AW	SW-846 8081
4,4' -DDE	ND	0.019	ug/L	10	11/06/24	AW	SW-846 8081
4,4' -DDT	ND	0.019	ug/L	10	11/06/24	AW	SW-846 8081
a-BHC	ND	0.019	ug/L	10	11/06/24	AW	SW-846 8081
a-chlordane	ND	0.097	ug/L	10	11/06/24	AW	SW-846 8081
Alachlor	ND	0.049	ug/L	10	11/06/24	AW	SW-846 8081
Aldrin	ND	0.019	ug/L	10	11/06/24	AW	SW-846 8081
b-BHC	ND	0.019	ug/L	10	11/06/24	AW	SW-846 8081
Chlordane	ND	0.19	ug/L	10	11/06/24	AW	SW-846 8081
d-BHC	ND	0.019	ug/L	10	11/06/24	AW	SW-846 8081
Dieldrin	ND	0.019	ug/L	10	11/06/24	AW	SW-846 8081
Endosulfan I	ND	0.097	ug/L	10	11/06/24	AW	SW-846 8081
Endosulfan II	ND	0.097	ug/L	10	11/06/24	AW	SW-846 8081
Endosulfan Sulfate	ND	0.097	ug/L	10	11/06/24	AW	SW-846 8081
Endrin	ND	0.049	ug/L	10	11/06/24	AW	SW-846 8081
Endrin Aldehyde	ND	0.097	ug/L	10	11/06/24	AW	SW-846 8081
Endrin ketone	ND	0.097	ug/L	10	11/06/24	AW	SW-846 8081
g-BHC (Lindane)	ND	0.049	ug/L	10	11/06/24	AW	SW-846 8081
g-chlordane	ND	0.097	ug/L	10	11/06/24	AW	SW-846 8081
Heptachlor	ND	0.049	ug/L	10	11/06/24	AW	SW-846 8081
Heptachlor epoxide	ND	0.049	ug/L	10	11/06/24	AW	SW-846 8081
Methoxychlor	ND	0.97	ug/L	10	11/06/24	AW	SW-846 8081
Toxaphene	ND	1.9	ug/L	10	11/06/24	AW	SW-846 8081
<u>QA/QC Surrogates</u>							

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
%DCBP (Surrogate Rec)	39		%	10	11/06/24	AW	30 - 150 %
%DCBP (Surrogate Rec) (Confirmation)	54		%	10	11/06/24	AW	30 - 150 %
%TCMX (Surrogate Rec)	117		%	10	11/06/24	AW	30 - 150 %
%TCMX (Surrogate Rec) (Confirmation)	63		%	10	11/06/24	AW	30 - 150 %

TPH by GC (Extractable Products)

Aviation Fuel/Kerosene	ND	0.49	mg/L	1	11/08/24	JRB	SW8015D	1
Fuel Oil #2/ Diesel Fuel	ND	0.49	mg/L	1	11/08/24	JRB	SW8015D	1
Fuel Oil #4	ND	0.49	mg/L	1	11/08/24	JRB	SW8015D	1
Fuel Oil #6	ND	0.49	mg/L	1	11/08/24	JRB	SW8015D	1
Motor Oil	ND	0.49	mg/L	1	11/08/24	JRB	SW8015D	1
Total TPH	ND	0.49	mg/L	1	11/08/24	JRB	SW8015D	1
Unidentified	ND	0.49	mg/L	1	11/08/24	JRB	SW8015D	1

QA/QC Surrogates

% Terphenyl (surr)	22		%	1	11/08/24	JRB	50 - 150 %	3

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
1,1,1-Trichloroethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	11/01/24	MH	SW8260D	
1,1,2-Trichloroethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
1,1-Dichloroethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
1,1-Dichloroethene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
1,1-Dichloropropene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
1,2,3-Trichloropropane	ND	0.25	ug/L	1	11/01/24	MH	SW8260D	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
1,2-Dibromo-3-chloropropane	ND	0.50	ug/L	1	11/01/24	MH	SW8260D	
1,2-Dibromoethane	ND	0.25	ug/L	1	11/01/24	MH	SW8260D	
1,2-Dichlorobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
1,2-Dichloroethane	ND	0.60	ug/L	1	11/01/24	MH	SW8260D	
1,2-Dichloropropane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
1,3-Dichloropropane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
2,2-Dichloropropane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
2-Chlorotoluene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
2-Hexanone	ND	5.0	ug/L	1	11/01/24	MH	SW8260D	
2-Isopropyltoluene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	1
4-Chlorotoluene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	11/01/24	MH	SW8260D	
Acetone	ND	25	ug/L	1	11/01/24	MH	SW8260D	
Acrylonitrile	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
Benzene	ND	0.70	ug/L	1	11/01/24	MH	SW8260D	
Bromobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
Bromochloromethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
Bromodichloromethane	ND	0.50	ug/L	1	11/01/24	MH	SW8260D	
Bromoform	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Bromomethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Carbon Disulfide	ND	5.0	ug/L	1	11/01/24	MH	SW8260D
Carbon tetrachloride	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Chlorobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Chloroethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Chloroform	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Chloromethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	11/01/24	MH	SW8260D
Dibromochloromethane	ND	0.50	ug/L	1	11/01/24	MH	SW8260D
Dibromomethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Dichlorodifluoromethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Ethylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Hexachlorobutadiene	ND	0.40	ug/L	1	11/01/24	MH	SW8260D
Isopropylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
m&p-Xylene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Methyl ethyl ketone	ND	5.0	ug/L	1	11/01/24	MH	SW8260D
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Methylene chloride	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Naphthalene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
n-Butylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
n-Propylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
o-Xylene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
p-Isopropyltoluene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
sec-Butylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Styrene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
tert-Butylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Tetrachloroethene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	11/01/24	MH	SW8260D
Toluene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Total Xylenes	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	11/01/24	MH	SW8260D
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	11/01/24	MH	SW8260D
Trichloroethene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Trichlorofluoromethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Trichlorotrifluoroethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Vinyl chloride	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99		%	1	11/01/24	MH	70 - 130 %
% Bromofluorobenzene	97		%	1	11/01/24	MH	70 - 130 %
% Dibromofluoromethane	95		%	1	11/01/24	MH	70 - 130 %
% Toluene-d8	101		%	1	11/01/24	MH	70 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	3.3	ug/L	1	11/07/24	MR	SW8270E
1,2,4-Trichlorobenzene	ND	4.7	ug/L	1	11/07/24	MR	SW8270E
1,2-Dichlorobenzene	ND	2.4	ug/L	1	11/07/24	MR	SW8270E
1,2-Diphenylhydrazine	ND	4.7	ug/L	1	11/07/24	MR	SW8270E
1,3-Dichlorobenzene	ND	2.4	ug/L	1	11/07/24	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,4-Dichlorobenzene	ND	2.4	ug/L	1	11/07/24	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	4.7	ug/L	1	11/07/24	MR	SW8270E
2,4,5-Trichlorophenol	ND	0.94	ug/L	1	11/07/24	MR	SW8270E
2,4,6-Trichlorophenol	ND	0.94	ug/L	1	11/07/24	MR	SW8270E
2,4-Dichlorophenol	ND	0.94	ug/L	1	11/07/24	MR	SW8270E
2,4-Dimethylphenol	ND	0.94	ug/L	1	11/07/24	MR	SW8270E
2,4-Dinitrophenol	ND	0.94	ug/L	1	11/07/24	MR	SW8270E
2,4-Dinitrotoluene	ND	4.7	ug/L	1	11/07/24	MR	SW8270E
2,6-Dinitrotoluene	ND	4.7	ug/L	1	11/07/24	MR	SW8270E
2-Chloronaphthalene	ND	4.7	ug/L	1	11/07/24	MR	SW8270E
2-Chlorophenol	ND	0.94	ug/L	1	11/07/24	MR	SW8270E
2-Methylphenol (o-cresol)	ND	0.94	ug/L	1	11/07/24	MR	SW8270E
2-Nitroaniline	ND	4.7	ug/L	1	11/07/24	MR	SW8270E
2-Nitrophenol	ND	0.94	ug/L	1	11/07/24	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	9.4	ug/L	1	11/07/24	MR	SW8270E
3,3'-Dichlorobenzidine	ND	4.7	ug/L	1	11/07/24	MR	SW8270E
3-Nitroaniline	ND	4.7	ug/L	1	11/07/24	MR	SW8270E
4,6-Dinitro-2-methylphenol	ND	0.94	ug/L	1	11/07/24	MR	SW8270E
4-Bromophenyl phenyl ether	ND	4.7	ug/L	1	11/07/24	MR	SW8270E
4-Chloro-3-methylphenol	ND	0.94	ug/L	1	11/07/24	MR	SW8270E
4-Chloroaniline	ND	4.7	ug/L	1	11/07/24	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	0.94	ug/L	1	11/07/24	MR	SW8270E
4-Nitroaniline	ND	4.7	ug/L	1	11/07/24	MR	SW8270E
4-Nitrophenol	ND	0.94	ug/L	1	11/07/24	MR	SW8270E
Acetophenone	ND	4.7	ug/L	1	11/07/24	MR	SW8270E
Aniline	ND	4.7	ug/L	1	11/07/24	MR	SW8270E
Benzidine	ND	4.7	ug/L	1	11/07/24	MR	SW8270E
Benzoic acid	ND	47	ug/L	1	11/07/24	MR	SW8270E
Benzyl butyl phthalate	ND	4.7	ug/L	1	11/07/24	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	4.7	ug/L	1	11/07/24	MR	SW8270E
Bis(2-chloroethyl)ether	ND	0.94	ug/L	1	11/07/24	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	0.94	ug/L	1	11/07/24	MR	SW8270E
Carbazole	ND	4.7	ug/L	1	11/07/24	MR	SW8270E
Dibenzofuran	ND	4.7	ug/L	1	11/07/24	MR	SW8270E
Diethyl phthalate	ND	4.7	ug/L	1	11/07/24	MR	SW8270E
Dimethylphthalate	ND	4.7	ug/L	1	11/07/24	MR	SW8270E
Di-n-butylphthalate	ND	4.7	ug/L	1	11/07/24	MR	SW8270E
Di-n-octylphthalate	ND	4.7	ug/L	1	11/07/24	MR	SW8270E
Hexachloroethane	ND	0.94	ug/L	1	11/07/24	MR	SW8270E
Isophorone	ND	4.7	ug/L	1	11/07/24	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	4.7	ug/L	1	11/07/24	MR	SW8270E
N-Nitrosodiphenylamine	ND	4.7	ug/L	1	11/07/24	MR	SW8270E
Pentachloronitrobenzene	ND	2.4	ug/L	1	11/07/24	MR	SW8270E
Phenol	1.0	0.94	ug/L	1	11/07/24	MR	SW8270E
QA/QC Surrogates							
% 2,4,6-Tribromophenol	65		%	1	11/07/24	MR	15 - 110 %
% 2-Fluorobiphenyl	56		%	1	11/07/24	MR	30 - 130 %
% 2-Fluorophenol	63		%	1	11/07/24	MR	15 - 110 %
% Nitrobenzene-d5	71		%	1	11/07/24	MR	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Phenol-d5	62		%	1	11/07/24	MR	15 - 110 %
% Terphenyl-d14	17		%	1	11/07/24	MR	30 - 130 %

3

Semivolatiles (SIM)

2-Methylnaphthalene	ND	0.47	ug/L	1	11/07/24	MR	SW8270E (SIM)
Acenaphthene	0.77	0.47	ug/L	1	11/07/24	MR	SW8270E (SIM)
Acenaphthylene	0.98	0.47	ug/L	1	11/07/24	MR	SW8270E (SIM)
Anthracene	1.5	0.47	ug/L	1	11/07/24	MR	SW8270E (SIM)
Benz(a)anthracene	4.2	0.02	ug/L	1	11/07/24	MR	SW8270E (SIM)
Benzo(a)pyrene	4.3	0.02	ug/L	1	11/07/24	MR	SW8270E (SIM)
Benzo(b)fluoranthene	3.5	0.02	ug/L	1	11/07/24	MR	SW8270E (SIM)
Benzo(ghi)perylene	2.5	0.47	ug/L	1	11/07/24	MR	SW8270E (SIM)
Benzo(k)fluoranthene	3.6	0.02	ug/L	1	11/07/24	MR	SW8270E (SIM)
Chrysene	4.5	0.02	ug/L	1	11/07/24	MR	SW8270E (SIM)
Dibenz(a,h)anthracene	ND	0.47	ug/L	1	11/07/24	MR	SW8270E (SIM)
Fluoranthene	8.1	0.47	ug/L	1	11/07/24	MR	SW8270E (SIM)
Fluorene	0.85	0.47	ug/L	1	11/07/24	MR	SW8270E (SIM)
Hexachlorobenzene	ND	0.04	ug/L	1	11/07/24	MR	SW8270E (SIM)
Hexachlorobutadiene	ND	0.47	ug/L	1	11/07/24	MR	SW8270E (SIM)
Hexachlorocyclopentadiene	ND	0.47	ug/L	1	11/07/24	MR	SW8270E (SIM)
Indeno(1,2,3-cd)pyrene	2.5	0.02	ug/L	1	11/07/24	MR	SW8270E (SIM)
Naphthalene	1.1	0.47	ug/L	1	11/07/24	MR	SW8270E (SIM)
Nitrobenzene	ND	0.38	ug/L	1	11/07/24	MR	SW8270E (SIM)
N-Nitrosodimethylamine	ND	0.47	ug/L	1	11/07/24	MR	SW8270E (SIM)
Pentachlorophenol	ND	0.47	ug/L	1	11/07/24	MR	SW8270E (SIM)
Phenanthrene	3.7	0.47	ug/L	1	11/07/24	MR	SW8270E (SIM)
Pyrene	7.6	0.47	ug/L	1	11/07/24	MR	SW8270E (SIM)
Pyridine	ND	0.47	ug/L	1	11/07/24	MR	SW8270E (SIM)

QA/QC Surrogates

% 2,4,6-Tribromophenol	83		%	1	11/07/24	MR	15 - 110 %
% 2-Fluorobiphenyl	67		%	1	11/07/24	MR	30 - 130 %
% 2-Fluorophenol	54		%	1	11/07/24	MR	15 - 110 %
% Nitrobenzene-d5	85		%	1	11/07/24	MR	30 - 130 %
% Phenol-d5	56		%	1	11/07/24	MR	15 - 110 %
% Terphenyl-d14	20		%	1	11/07/24	MR	30 - 130 %

3

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.

3 = This parameter exceeds laboratory specified limits.

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

QA/QC Surrogates: Surrogates are compounds (preceded 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.

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.

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.

Volatile Comment:

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

Pesticide Comment:

Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the affected compounds.

Semi-Volatile Comment:

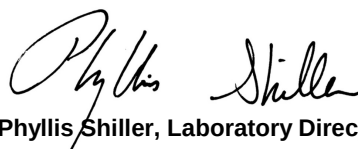
Poor surrogate recovery was observed for one acid and/or one base surrogate. The other surrogates associated with this sample were within QA/QC criteria. No significant bias suspected.

TPH: Comment

The surrogate recovery was slightly below acceptance criteria for the ETPH analysis. The sample was re-analyzed with similar results. A slight negative bias cannot be ruled out.

Dissolved analysis requires filtration. Samples submitted from an unpreserved container have been lab filtered.

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



Phyllis Shiller, Laboratory Director

November 12, 2024

Reviewed and Released by: Rashmi Makol, Project Manager



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



Analysis Report

November 12, 2024

FOR: Attn: Jennifer Cherlin
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: GROUND WATER
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

10/31/24
10/31/24

Time

11:00
18:15

Laboratory Data

SDG ID: GCR97583
Phoenix ID: CR97593

Project ID: INSPIRATION WHARF (PORT WASHINGTON)
Client ID: TW-10 (5-10`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.001	0.001	mg/L	1	11/05/24	TH	SW6010D
Aluminum	42.3	0.020	mg/L	1	11/05/24	TH	SW6010D
Arsenic	0.100	0.004	mg/L	1	11/05/24	TH	SW6010D
Barium	0.388	0.002	mg/L	1	11/05/24	TH	SW6010D
Beryllium	0.002	0.001	mg/L	1	11/05/24	TH	SW6010D
Calcium	224	0.10	mg/L	10	11/05/24	TH	SW6010D
Cadmium	0.001	0.001	mg/L	1	11/05/24	TH	SW6010D
Cobalt	0.026	0.002	mg/L	1	11/05/24	TH	SW6010D
Chromium	0.081	0.001	mg/L	1	11/05/24	TH	SW6010D
Copper	0.124	0.005	mg/L	1	11/05/24	TH	SW6010D
Silver (Dissolved)	< 0.001	0.001	mg/L	1	11/01/24	TH	SW6010D
Aluminum (Dissolved)	0.029	0.011	mg/L	1	11/01/24	TH	SW6010D
Arsenic (Dissolved)	0.012	0.004	mg/L	1	11/01/24	TH	SW6010D
Barium (Dissolved)	0.204	0.002	mg/L	1	11/01/24	TH	SW6010D
Beryllium (Dissolved)	< 0.001	0.001	mg/L	1	11/01/24	TH	SW6010D
Calcium (Dissolved)	219	0.11	mg/L	10	11/05/24	TH	SW6010D
Cadmium (Dissolved)	< 0.001	0.001	mg/L	1	11/01/24	TH	SW6010D
Cobalt (Dissolved)	< 0.001	0.001	mg/L	1	11/01/24	TH	SW6010D
Chromium (Dissolved)	< 0.001	0.001	mg/L	1	11/01/24	TH	SW6010D
Copper (Dissolved)	< 0.005	0.005	mg/L	1	11/01/24	TH	SW6010D
Iron (Dissolved)	0.103	0.011	mg/L	1	11/01/24	TH	SW6010D
Mercury (Dissolved)	< 0.0002	0.0002	mg/L	1	11/01/24	AL1	SW7470A
Potassium (Dissolved)	149	11	mg/L	100	11/06/24	TH	SW6010D
Magnesium (Dissolved)	428	0.11	mg/L	10	11/05/24	TH	SW6010D
Manganese (Dissolved)	0.298	0.001	mg/L	1	11/01/24	TH	SW6010D
Sodium (Dissolved)	3590	11	mg/L	100	11/05/24	TH	SW6010D
Nickel (Dissolved)	< 0.001	0.001	mg/L	1	11/01/24	TH	SW6010D
Lead (Dissolved)	< 0.002	0.002	mg/L	1	11/01/24	TH	SW6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Antimony (Dissolved)	< 0.003	0.003	mg/L	1	11/01/24	TH	SW6010D	
Selenium (Dissolved)	< 0.010	0.010	mg/L	1	11/01/24	TH	SW6010D	
Thallium, Dissolved	< 0.0005	0.0005	mg/L	1	11/01/24	PS	SW6010D	
Vanadium (Dissolved)	0.003	0.002	mg/L	1	11/01/24	TH	SW6010D	
Zinc (Dissolved)	< 0.002	0.002	mg/L	1	11/01/24	TH	SW6010D	
Iron	69.6	0.10	mg/L	10	11/05/24	TH	SW6010D	
Mercury	< 0.0002	0.0002	mg/L	1	11/01/24	ZT	SW7470A	
Potassium	154	10	mg/L	100	11/05/24	TH	SW6010D	
Magnesium	446	0.10	mg/L	10	11/05/24	TH	SW6010D	
Manganese	1.06	0.010	mg/L	10	11/05/24	TH	SW6010D	
Sodium	3650	10	mg/L	100	11/05/24	TH	SW6010D	
Nickel	0.057	0.001	mg/L	1	11/05/24	TH	SW6010D	
Lead	0.263	0.001	mg/L	1	11/05/24	TH	SW6010D	
Antimony	< 0.003	0.003	mg/L	1	11/05/24	TH	SW6010D	
Selenium	< 0.010	0.010	mg/L	1	11/05/24	TH	SW6010D	
Thallium	< 0.0005	0.0005	mg/L	1	11/05/24	PS	SW6010D	
Vanadium	0.106	0.002	mg/L	1	11/05/24	TH	SW6010D	
Zinc	0.323	0.004	mg/L	1	11/05/24	TH	SW6010D	
Corrosivity	Negative		Pos/Neg	1	10/31/24	AF	SW846-Corr	1
Flash Point	>200	200	Degree F	1	11/06/24	G	SW1010B	
Chromium, Hexavalent	< 0.02	0.02	mg/L	2	10/31/24 21:35	KL1	SM3500CRB-11	
Ignitability	Passed	140	degree F	1	11/06/24	G	SW846-Ignit	1
pH	7.43	1.00	pH Units	1	10/31/24 23:03	AF	SM4500-H B-11	1
Reactivity Cyanide	< 2.0	2.0	mg/L	1.98	11/05/24	NP/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 5	5	mg/L	1	11/06/24	NP/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	11/06/24	NP/GD	SW846-React	1
Lab Filtration	Completed				10/31/24	AG	0.45um Filter	
Dissolved Mercury Digestion	Completed				11/01/24	AK/AK	SW7470A	
Mercury Digestion	Completed				11/01/24	AK/AK	SW7470A	
Extraction for Herbicide	Completed				11/01/24	CV/D	SW8151A	
PCB Extraction (LDL)	Completed				11/04/24	A/A	SW3510C	
Extraction for Pest (LDL)	Completed				11/04/24	A/A	SW3510C	
Semi-Volatile Extraction	Completed				11/05/24	Z/MQ	SW3520C	
Total Metals Digestion (GFAA)	Completed				11/01/24	AG	SM3113B-10	
Dissolved Metals Preparation	Completed				10/31/24	AG	SW3005A	
Dissolved Metals Preparation (MS)	Completed				11/01/24	AG	SW3005A	
Total Metals Digestion	Completed				11/04/24	AG	SW3010A	
Total Metals Digestion MS	Completed				11/04/24	AG	SW3010A	
Extraction of TPH	Completed				11/07/24	Z/MQ	SW3510C/SW3520C	

Gasoline Range Hydrocarbons

GRO (C6-C10)	ND	0.050	mg/L	1	11/01/24	V	SW8015D	1

QA/QC Surrogates

% 2,5-Dibromotoluene (FID)	105		%	1	11/01/24	V	70 - 130 %	

Chlorinated Herbicides

2,4,5-T	ND	0.25	ug/L	1	11/04/24	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	0.25	ug/L	1	11/04/24	JRB	SW8151A	
2,4-D	ND	0.50	ug/L	1	11/04/24	JRB	SW8151A	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2,4-DB	ND	5.0	ug/L	1	11/04/24	JRB	SW8151A
Dalapon	ND	0.25	ug/L	1	11/04/24	JRB	SW8151A
Dicamba	ND	0.25	ug/L	1	11/04/24	JRB	SW8151A
Dichloroprop	ND	0.50	ug/L	1	11/04/24	JRB	SW8151A
Dinoseb	ND	0.50	ug/L	1	11/04/24	JRB	SW8151A
<u>QA/QC Surrogates</u>							
% DCAA	61		%	1	11/04/24	JRB	30 - 150 %
% DCAA (Confirmation)	13		%	1	11/04/24	JRB	30 - 150 %

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Polychlorinated Biphenyls

PCB-1016	ND	0.049	ug/L	1	11/05/24	SC	SW8082A
PCB-1221	ND	0.049	ug/L	1	11/05/24	SC	SW8082A
PCB-1232	ND	0.049	ug/L	1	11/05/24	SC	SW8082A
PCB-1242	ND	0.049	ug/L	1	11/05/24	SC	SW8082A
PCB-1248	ND	0.049	ug/L	1	11/05/24	SC	SW8082A
PCB-1254	0.064	0.049	ug/L	1	11/05/24	SC	SW8082A
PCB-1260	ND	0.049	ug/L	1	11/05/24	SC	SW8082A
PCB-1262	ND	0.049	ug/L	1	11/05/24	SC	SW8082A
PCB-1268	ND	0.049	ug/L	1	11/05/24	SC	SW8082A

QA/QC Surrogates

% DCBP	68		%	1	11/05/24	SC	30 - 150 %
% DCBP (Confirmation)	63		%	1	11/05/24	SC	30 - 150 %
% TCMX	57		%	1	11/05/24	SC	30 - 150 %
% TCMX (Confirmation)	54		%	1	11/05/24	SC	30 - 150 %

Pesticides

4,4' -DDD	ND	0.098	ug/L	50	11/06/24	AW	SW-846 8081
4,4' -DDE	ND	0.098	ug/L	50	11/06/24	AW	SW-846 8081
4,4' -DDT	ND	0.098	ug/L	50	11/06/24	AW	SW-846 8081
a-BHC	ND	0.098	ug/L	50	11/06/24	AW	SW-846 8081
a-chlordane	ND	0.49	ug/L	50	11/06/24	AW	SW-846 8081
Alachlor	ND	0.25	ug/L	50	11/06/24	AW	SW-846 8081
Aldrin	ND	0.098	ug/L	50	11/06/24	AW	SW-846 8081
b-BHC	ND	0.098	ug/L	50	11/06/24	AW	SW-846 8081
Chlordane	ND	0.98	ug/L	50	11/06/24	AW	SW-846 8081
d-BHC	ND	0.098	ug/L	50	11/06/24	AW	SW-846 8081
Dieldrin	ND	0.098	ug/L	50	11/06/24	AW	SW-846 8081
Endosulfan I	ND	0.25	ug/L	50	11/06/24	AW	SW-846 8081
Endosulfan II	ND	0.25	ug/L	50	11/06/24	AW	SW-846 8081
Endosulfan Sulfate	ND	0.25	ug/L	50	11/06/24	AW	SW-846 8081
Endrin	ND	0.25	ug/L	50	11/06/24	AW	SW-846 8081
Endrin Aldehyde	ND	0.49	ug/L	50	11/06/24	AW	SW-846 8081
Endrin ketone	ND	0.49	ug/L	50	11/06/24	AW	SW-846 8081
g-BHC (Lindane)	ND	0.020	ug/L	50	11/06/24	AW	SW-846 8081
g-chlordane	ND	0.098	ug/L	50	11/06/24	AW	SW-846 8081
Heptachlor	ND	0.25	ug/L	50	11/06/24	AW	SW-846 8081
Heptachlor epoxide	ND	0.25	ug/L	50	11/06/24	AW	SW-846 8081
Methoxychlor	ND	4.9	ug/L	50	11/06/24	AW	SW-846 8081
Toxaphene	ND	9.8	ug/L	50	11/06/24	AW	SW-846 8081

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QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
%DCBP (Surrogate Rec)	Diluted Out		%	50	11/06/24	AW	30 - 150 %
%DCBP (Surrogate Rec) (Confirmation)	Diluted Out		%	50	11/06/24	AW	30 - 150 %
%TCMX (Surrogate Rec)	Diluted Out		%	50	11/06/24	AW	30 - 150 %
%TCMX (Surrogate Rec) (Confirmation)	Diluted Out		%	50	11/06/24	AW	30 - 150 %

TPH by GC (Extractable Products)

Aviation Fuel/Kerosene	ND	0.47	mg/L	1	11/08/24	JRB	SW8015D	1
Fuel Oil #2/ Diesel Fuel	ND	0.47	mg/L	1	11/08/24	JRB	SW8015D	1
Fuel Oil #4	ND	0.47	mg/L	1	11/08/24	JRB	SW8015D	1
Fuel Oil #6	ND	0.47	mg/L	1	11/08/24	JRB	SW8015D	1
Motor Oil	ND	0.47	mg/L	1	11/08/24	JRB	SW8015D	1
Total TPH	ND	0.47	mg/L	1	11/08/24	JRB	SW8015D	1
Unidentified	ND	0.47	mg/L	1	11/08/24	JRB	SW8015D	1

QA/QC Surrogates

% Terphenyl (surr)	24		%	1	11/08/24	JRB	50 - 150 %	3

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
1,1,1-Trichloroethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	11/01/24	MH	SW8260D	
1,1,2-Trichloroethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
1,1-Dichloroethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
1,1-Dichloroethene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
1,1-Dichloropropene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
1,2,3-Trichloropropane	ND	0.25	ug/L	1	11/01/24	MH	SW8260D	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
1,2-Dibromo-3-chloropropane	ND	0.50	ug/L	1	11/01/24	MH	SW8260D	
1,2-Dibromoethane	ND	0.25	ug/L	1	11/01/24	MH	SW8260D	
1,2-Dichlorobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
1,2-Dichloroethane	ND	0.60	ug/L	1	11/01/24	MH	SW8260D	
1,2-Dichloropropane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
1,3-Dichloropropane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
2,2-Dichloropropane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
2-Chlorotoluene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
2-Hexanone	ND	5.0	ug/L	1	11/01/24	MH	SW8260D	
2-Isopropyltoluene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	1
4-Chlorotoluene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	11/01/24	MH	SW8260D	
Acetone	ND	25	ug/L	1	11/01/24	MH	SW8260D	
Acrylonitrile	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
Benzene	ND	0.70	ug/L	1	11/01/24	MH	SW8260D	
Bromobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
Bromochloromethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	
Bromodichloromethane	ND	0.50	ug/L	1	11/01/24	MH	SW8260D	
Bromoform	ND	1.0	ug/L	1	11/01/24	MH	SW8260D	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Bromomethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Carbon Disulfide	ND	5.0	ug/L	1	11/01/24	MH	SW8260D
Carbon tetrachloride	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Chlorobenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Chloroethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Chloroform	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Chloromethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	11/01/24	MH	SW8260D
Dibromochloromethane	ND	0.50	ug/L	1	11/01/24	MH	SW8260D
Dibromomethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Dichlorodifluoromethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Ethylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Hexachlorobutadiene	ND	0.40	ug/L	1	11/01/24	MH	SW8260D
Isopropylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
m&p-Xylene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Methyl ethyl ketone	ND	5.0	ug/L	1	11/01/24	MH	SW8260D
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Methylene chloride	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Naphthalene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
n-Butylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
n-Propylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
o-Xylene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
p-Isopropyltoluene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
sec-Butylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Styrene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
tert-Butylbenzene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Tetrachloroethene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	11/01/24	MH	SW8260D
Toluene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Total Xylenes	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	11/01/24	MH	SW8260D
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	11/01/24	MH	SW8260D
Trichloroethene	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Trichlorofluoromethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Trichlorotrifluoroethane	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
Vinyl chloride	ND	1.0	ug/L	1	11/01/24	MH	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	101		%	1	11/01/24	MH	70 - 130 %
% Bromofluorobenzene	98		%	1	11/01/24	MH	70 - 130 %
% Dibromofluoromethane	95		%	1	11/01/24	MH	70 - 130 %
% Toluene-d8	104		%	1	11/01/24	MH	70 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	3.4	ug/L	1	11/07/24	MR	SW8270E
1,2,4-Trichlorobenzene	ND	4.9	ug/L	1	11/07/24	MR	SW8270E
1,2-Dichlorobenzene	ND	2.5	ug/L	1	11/07/24	MR	SW8270E
1,2-Diphenylhydrazine	ND	4.9	ug/L	1	11/07/24	MR	SW8270E
1,3-Dichlorobenzene	ND	2.5	ug/L	1	11/07/24	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,4-Dichlorobenzene	ND	2.5	ug/L	1	11/07/24	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	4.9	ug/L	1	11/07/24	MR	SW8270E
2,4,5-Trichlorophenol	ND	0.98	ug/L	1	11/07/24	MR	SW8270E
2,4,6-Trichlorophenol	ND	0.98	ug/L	1	11/07/24	MR	SW8270E
2,4-Dichlorophenol	ND	0.98	ug/L	1	11/07/24	MR	SW8270E
2,4-Dimethylphenol	ND	0.98	ug/L	1	11/07/24	MR	SW8270E
2,4-Dinitrophenol	ND	0.98	ug/L	1	11/07/24	MR	SW8270E
2,4-Dinitrotoluene	ND	4.9	ug/L	1	11/07/24	MR	SW8270E
2,6-Dinitrotoluene	ND	4.9	ug/L	1	11/07/24	MR	SW8270E
2-Chloronaphthalene	ND	4.9	ug/L	1	11/07/24	MR	SW8270E
2-Chlorophenol	ND	0.98	ug/L	1	11/07/24	MR	SW8270E
2-Methylphenol (o-cresol)	ND	0.98	ug/L	1	11/07/24	MR	SW8270E
2-Nitroaniline	ND	4.9	ug/L	1	11/07/24	MR	SW8270E
2-Nitrophenol	ND	0.98	ug/L	1	11/07/24	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	9.8	ug/L	1	11/07/24	MR	SW8270E
3,3'-Dichlorobenzidine	ND	4.9	ug/L	1	11/07/24	MR	SW8270E
3-Nitroaniline	ND	4.9	ug/L	1	11/07/24	MR	SW8270E
4,6-Dinitro-2-methylphenol	ND	0.98	ug/L	1	11/07/24	MR	SW8270E
4-Bromophenyl phenyl ether	ND	4.9	ug/L	1	11/07/24	MR	SW8270E
4-Chloro-3-methylphenol	ND	0.98	ug/L	1	11/07/24	MR	SW8270E
4-Chloroaniline	ND	4.9	ug/L	1	11/07/24	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	0.98	ug/L	1	11/07/24	MR	SW8270E
4-Nitroaniline	ND	4.9	ug/L	1	11/07/24	MR	SW8270E
4-Nitrophenol	ND	0.98	ug/L	1	11/07/24	MR	SW8270E
Acetophenone	ND	4.9	ug/L	1	11/07/24	MR	SW8270E
Aniline	ND	4.9	ug/L	1	11/07/24	MR	SW8270E
Benzidine	ND	4.9	ug/L	1	11/07/24	MR	SW8270E
Benzoic acid	ND	49	ug/L	1	11/07/24	MR	SW8270E
Benzyl butyl phthalate	ND	4.9	ug/L	1	11/07/24	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	4.9	ug/L	1	11/07/24	MR	SW8270E
Bis(2-chloroethyl)ether	ND	0.98	ug/L	1	11/07/24	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	0.98	ug/L	1	11/07/24	MR	SW8270E
Carbazole	ND	4.9	ug/L	1	11/07/24	MR	SW8270E
Dibenzofuran	ND	4.9	ug/L	1	11/07/24	MR	SW8270E
Diethyl phthalate	ND	4.9	ug/L	1	11/07/24	MR	SW8270E
Dimethylphthalate	ND	4.9	ug/L	1	11/07/24	MR	SW8270E
Di-n-butylphthalate	ND	4.9	ug/L	1	11/07/24	MR	SW8270E
Di-n-octylphthalate	ND	4.9	ug/L	1	11/07/24	MR	SW8270E
Hexachloroethane	ND	0.98	ug/L	1	11/07/24	MR	SW8270E
Isophorone	ND	4.9	ug/L	1	11/07/24	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	4.9	ug/L	1	11/07/24	MR	SW8270E
N-Nitrosodiphenylamine	ND	4.9	ug/L	1	11/07/24	MR	SW8270E
Pentachloronitrobenzene	ND	2.5	ug/L	1	11/07/24	MR	SW8270E
Phenol	ND	0.98	ug/L	1	11/07/24	MR	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	75		%	1	11/07/24	MR	15 - 110 %
% 2-Fluorobiphenyl	58		%	1	11/07/24	MR	30 - 130 %
% 2-Fluorophenol	64		%	1	11/07/24	MR	15 - 110 %
% Nitrobenzene-d5	69		%	1	11/07/24	MR	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Phenol-d5	62		%	1	11/07/24	MR	15 - 110 %
% Terphenyl-d14	19		%	1	11/07/24	MR	30 - 130 %

3

Semivolatiles (SIM)

2-Methylnaphthalene	ND	0.49	ug/L	1	11/07/24	MR	SW8270E (SIM)
Acenaphthene	ND	0.49	ug/L	1	11/07/24	MR	SW8270E (SIM)
Acenaphthylene	ND	0.49	ug/L	1	11/07/24	MR	SW8270E (SIM)
Anthracene	ND	0.49	ug/L	1	11/07/24	MR	SW8270E (SIM)
Benz(a)anthracene	0.24	0.02	ug/L	1	11/07/24	MR	SW8270E (SIM)
Benzo(a)pyrene	0.30	0.02	ug/L	1	11/07/24	MR	SW8270E (SIM)
Benzo(b)fluoranthene	0.24	0.02	ug/L	1	11/07/24	MR	SW8270E (SIM)
Benzo(ghi)perylene	ND	0.49	ug/L	1	11/07/24	MR	SW8270E (SIM)
Benzo(k)fluoranthene	0.24	0.02	ug/L	1	11/07/24	MR	SW8270E (SIM)
Chrysene	0.28	0.02	ug/L	1	11/07/24	MR	SW8270E (SIM)
Dibenz(a,h)anthracene	ND	0.49	ug/L	1	11/07/24	MR	SW8270E (SIM)
Fluoranthene	0.72	0.49	ug/L	1	11/07/24	MR	SW8270E (SIM)
Fluorene	ND	0.49	ug/L	1	11/07/24	MR	SW8270E (SIM)
Hexachlorobenzene	ND	0.04	ug/L	1	11/07/24	MR	SW8270E (SIM)
Hexachlorobutadiene	ND	0.49	ug/L	1	11/07/24	MR	SW8270E (SIM)
Hexachlorocyclopentadiene	ND	0.49	ug/L	1	11/07/24	MR	SW8270E (SIM)
Indeno(1,2,3-cd)pyrene	0.27	0.02	ug/L	1	11/07/24	MR	SW8270E (SIM)
Naphthalene	ND	0.49	ug/L	1	11/07/24	MR	SW8270E (SIM)
Nitrobenzene	ND	0.39	ug/L	1	11/07/24	MR	SW8270E (SIM)
N-Nitrosodimethylamine	ND	0.49	ug/L	1	11/07/24	MR	SW8270E (SIM)
Pentachlorophenol	ND	0.49	ug/L	1	11/07/24	MR	SW8270E (SIM)
Phenanthrene	ND	0.49	ug/L	1	11/07/24	MR	SW8270E (SIM)
Pyrene	0.67	0.49	ug/L	1	11/07/24	MR	SW8270E (SIM)
Pyridine	ND	0.49	ug/L	1	11/07/24	MR	SW8270E (SIM)

QA/QC Surrogates

% 2,4,6-Tribromophenol	93		%	1	11/07/24	MR	15 - 110 %
% 2-Fluorobiphenyl	76		%	1	11/07/24	MR	30 - 130 %
% 2-Fluorophenol	59		%	1	11/07/24	MR	15 - 110 %
% Nitrobenzene-d5	94		%	1	11/07/24	MR	30 - 130 %
% Phenol-d5	61		%	1	11/07/24	MR	15 - 110 %
% Terphenyl-d14	27		%	1	11/07/24	MR	30 - 130 %

3

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.

3 = This parameter exceeds laboratory specified limits.

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

QA/QC Surrogates: Surrogates are compounds (preceded 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.

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.

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.

Volatile Comment:

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

Pesticide Comment:

Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the affected compounds.

Semi-Volatile Comment:

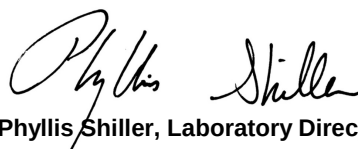
Poor surrogate recovery was observed for one acid and/or one base surrogate. The other surrogates associated with this sample were within QA/QC criteria. No significant bias suspected.

TPH: Comment

The surrogate recovery was slightly below acceptance criteria for the ETPH analysis. The sample was re-analyzed with similar results. A slight negative bias cannot be ruled out.

Dissolved analysis requires filtration. Samples submitted from an unpreserved container have been lab filtered.

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



Phyllis Shiller, Laboratory Director

November 12, 2024

Reviewed and Released by: Rashmi Makol, Project Manager



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



Analysis Report

November 12, 2024

FOR: Attn: Jennifer Cherlin
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: SOIL
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

10/31/24
10/31/24

Time

10:30
18:15

Laboratory Data

SDG ID: GCR97583
Phoenix ID: CR97594

Project ID: INSPIRATION WHARF (PORT WASHINGTON)
Client ID: SB-10 GRAB (9.5-10`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Field Extraction	Completed				10/31/24		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,1-Trichloroethane	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,2-Trichloroethane	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloroethane	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloroethene	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloropropene	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,3-Trichloropropane	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dibromoethane	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichlorobenzene	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichloroethane	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichloropropane	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
1,3-Dichlorobenzene	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
1,3-Dichloropropane	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
1,4-Dichlorobenzene	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
2,2-Dichloropropane	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
2-Chlorotoluene	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
2-Hexanone	ND	31	ug/Kg	1	11/02/24	JLI	SW8260D
2-Isopropyltoluene	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
4-Methyl-2-pentanone	ND	31	ug/Kg	1	11/02/24	JLI	SW8260D
Acetone	ND	31	ug/Kg	1	11/02/24	JLI	SW8260D
Acrylonitrile	ND	13	ug/Kg	1	11/02/24	JLI	SW8260D
Benzene	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
Bromobenzene	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
Bromochloromethane	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
Bromodichloromethane	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
Bromoform	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
Bromomethane	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
Carbon Disulfide	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
Carbon tetrachloride	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
Chlorobenzene	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
Chloroethane	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
Chloroform	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
Chloromethane	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
cis-1,2-Dichloroethene	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
cis-1,3-Dichloropropene	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
Dibromochloromethane	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
Dibromomethane	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
Dichlorodifluoromethane	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
Ethylbenzene	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
Hexachlorobutadiene	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
Isopropylbenzene	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
m&p-Xylene	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
Methyl Ethyl Ketone	ND	31	ug/Kg	1	11/02/24	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	13	ug/Kg	1	11/02/24	JLI	SW8260D
Methylene chloride	ND	13	ug/Kg	1	11/02/24	JLI	SW8260D
Naphthalene	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
n-Butylbenzene	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
n-Propylbenzene	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
o-Xylene	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
p-Isopropyltoluene	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
sec-Butylbenzene	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
Styrene	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
tert-Butylbenzene	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
Tetrachloroethene	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
Tetrahydrofuran (THF)	ND	13	ug/Kg	1	11/02/24	JLI	SW8260D
Toluene	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
Total Xylenes	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,2-Dichloroethene	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,3-Dichloropropene	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	13	ug/Kg	1	11/02/24	JLI	SW8260D
Trichloroethene	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
Trichlorofluoromethane	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
Trichlorotrifluoroethane	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
Vinyl chloride	ND	6.3	ug/Kg	1	11/02/24	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100		%	1	11/02/24	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	97		%	1	11/02/24	JLI	70 - 130 %
% Dibromofluoromethane	86		%	1	11/02/24	JLI	70 - 130 %
% Toluene-d8	99		%	1	11/02/24	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

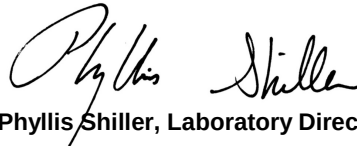
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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

November 12, 2024

Reviewed and Released by: Rashmi Makol, Project Manager



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



Analysis Report

November 12, 2024

FOR: Attn: Jennifer Cherlin
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: SOIL
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time
10/31/24 10:35
10/31/24 18:15

Laboratory Data

SDG ID: GCR97583
Phoenix ID: CR97595

Project ID: INSPIRATION WHARF (PORT WASHINGTON)
Client ID: SB-10 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.38	0.38	mg/Kg	1	11/01/24	CPP	SW6010D
Aluminum	5680	5.6	mg/Kg	1	11/01/24	CPP	SW6010D
Arsenic	2.12	0.75	mg/Kg	1	11/01/24	CPP	SW6010D
Barium	24.5	0.38	mg/Kg	1	11/01/24	CPP	SW6010D
Beryllium	< 0.30	0.30	mg/Kg	1	11/01/24	CPP	SW6010D
Calcium	1090	5.6	mg/Kg	1	11/01/24	CPP	SW6010D
Cadmium	< 0.38	0.38	mg/Kg	1	11/01/24	CPP	SW6010D
Cobalt	3.78	0.38	mg/Kg	1	11/01/24	CPP	SW6010D
Chromium	11.6	0.38	mg/Kg	1	11/01/24	CPP	SW6010D
Copper	10.6	0.8	mg/kg	1	11/01/24	CPP	SW6010D
Iron	7480	5.6	mg/Kg	1	11/01/24	CPP	SW6010D
Mercury	0.04	0.03	mg/Kg	2	11/04/24	AL1	SW7471B
Potassium	611	56	mg/Kg	10	11/06/24	TH	SW6010D
Magnesium	1570	5.6	mg/Kg	1	11/01/24	CPP	SW6010D
Manganese	98.9	0.38	mg/Kg	1	11/01/24	CPP	SW6010D
Sodium	156	5.6	mg/Kg	1	11/01/24	CPP	SW6010D
Nickel	8.82	0.38	mg/Kg	1	11/01/24	CPP	SW6010D
Lead	38.8	0.38	mg/Kg	1	11/01/24	CPP	SW6010D
Antimony	< 3.8	3.8	mg/Kg	1	11/01/24	CPP	SW6010D
Selenium	< 1.5	1.5	mg/Kg	1	11/01/24	CPP	SW6010D
Thallium	< 3.4	3.4	mg/Kg	1	11/01/24	CPP	SW6010D
Vanadium	15.6	0.38	mg/Kg	1	11/01/24	CPP	SW6010D
Zinc	42.7	0.8	mg/Kg	1	11/01/24	CPP	SW6010D
Percent Solid	91		%		10/31/24	CV	SW846-%Solid
Corrosivity	Negative		Pos/Neg	1	10/31/24	AF	SW846-Corr
Flash Point	>200	200	Degree F	1	11/05/24	G	SW1010B
Chromium, Hex. (SW3060A digestion)	< 0.41	0.41	mg/Kg	1	11/01/24	NP	SW7196A
Ignitability	Passed	140	degree F	1	11/05/24	G	SW846-Ignit

Client ID: SB-10 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
pH at 25C - Soil	8.02	1.00	pH Units	1	10/31/24 23:03	AF	SW846 9045D	1
Reactivity Cyanide	< 5	5	mg/Kg	1	11/05/24	NP/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20	mg/Kg	1	11/06/24	NP/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	11/06/24	NP/GD	SW846-React	1
Redox Potential	363		mV	1	10/31/24	AF	SM2580B-09	1
Mercury Digestion	Completed				11/01/24	AC1/AC1	SW7471B	
Extraction of NY ETPH	Completed				10/31/24	J/H/X/	SW3546	
Soil Extraction for Herbicide	Completed				11/06/24	Y/MQ	SW3546	
Soil Extraction for PCB	Completed				11/01/24	GW/GW	SW3546	
Soil Extraction for Pesticides	Completed				11/01/24	GW/GW	SW3546	
Soil Extraction for SVOA	Completed				11/04/24	RB/RB	SW3546	
Paint Filter Test	Passed		PASS/FAIL		10/31/24	O	SW9095B	
Total Metals Digest	Completed				10/31/24	J/AG	SW3050B	

Gasoline Range Hydrocarbons (C6-C10)

GRO (C6-C10)	ND	L 5.9	mg/Kg	50	11/02/24	V	SW8015D GRO

QA/QC Surrogates

% 2,5-Dibromotoluene (FID)	101		%	50	11/02/24	V	70 - 130 %

Chlorinated Herbicides

2,4,5-T	ND	140	ug/Kg	10	11/08/24	JRB	SW8151A
2,4,5-TP (Silvex)	ND	140	ug/Kg	10	11/08/24	JRB	SW8151A
2,4-D	ND	270	ug/Kg	10	11/08/24	JRB	SW8151A
2,4-DB	ND	2700	ug/Kg	10	11/08/24	JRB	SW8151A
Dalapon	ND	140	ug/Kg	10	11/08/24	JRB	SW8151A
Dicamba	ND	140	ug/Kg	10	11/08/24	JRB	SW8151A
Dichloroprop	ND	270	ug/Kg	10	11/08/24	JRB	SW8151A
Dinoseb	ND	270	ug/Kg	10	11/08/24	JRB	SW8151A

QA/QC Surrogates

% DCAA	66		%	10	11/08/24	JRB	30 - 150 %
% DCAA (Confirmation)	60		%	10	11/08/24	JRB	30 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	72	ug/Kg	2	11/04/24	SC	SW8082A
PCB-1221	ND	72	ug/Kg	2	11/04/24	SC	SW8082A
PCB-1232	ND	72	ug/Kg	2	11/04/24	SC	SW8082A
PCB-1242	ND	72	ug/Kg	2	11/04/24	SC	SW8082A
PCB-1248	ND	72	ug/Kg	2	11/04/24	SC	SW8082A
PCB-1254	ND	72	ug/Kg	2	11/04/24	SC	SW8082A
PCB-1260	ND	72	ug/Kg	2	11/04/24	SC	SW8082A
PCB-1262	ND	72	ug/Kg	2	11/04/24	SC	SW8082A
PCB-1268	ND	72	ug/Kg	2	11/04/24	SC	SW8082A

QA/QC Surrogates

% DCBP	88		%	2	11/04/24	SC	30 - 150 %
% DCBP (Confirmation)	97		%	2	11/04/24	SC	30 - 150 %
% TCMX	87		%	2	11/04/24	SC	30 - 150 %
% TCMX (Confirmation)	90		%	2	11/04/24	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Pesticides - Soil</u>							
4,4' -DDD	ND	2.2	ug/Kg	2	11/04/24	AW	SW8081B
4,4' -DDE	ND	2.2	ug/Kg	2	11/04/24	AW	SW8081B
4,4' -DDT	3.7	2.2	ug/Kg	2	11/04/24	AW	SW8081B
a-BHC	ND	7.2	ug/Kg	2	11/04/24	AW	SW8081B
a-Chlordane	ND	3.6	ug/Kg	2	11/04/24	AW	SW8081B
Aldrin	ND	3.6	ug/Kg	2	11/04/24	AW	SW8081B
b-BHC	ND	7.2	ug/Kg	2	11/04/24	AW	SW8081B
Chlordane	ND	36	ug/Kg	2	11/04/24	AW	SW8081B
d-BHC	ND	7.2	ug/Kg	2	11/04/24	AW	SW8081B
Dieldrin	17	3.6	ug/Kg	2	11/04/24	AW	SW8081B
Endosulfan I	ND	7.2	ug/Kg	2	11/04/24	AW	SW8081B
Endosulfan II	ND	7.2	ug/Kg	2	11/04/24	AW	SW8081B
Endosulfan sulfate	ND	7.2	ug/Kg	2	11/04/24	AW	SW8081B
Endrin	ND	7.2	ug/Kg	2	11/04/24	AW	SW8081B
Endrin aldehyde	ND	7.2	ug/Kg	2	11/04/24	AW	SW8081B
Endrin ketone	ND	7.2	ug/Kg	2	11/04/24	AW	SW8081B
g-BHC	ND	1.4	ug/Kg	2	11/04/24	AW	SW8081B
g-Chlordane	ND	3.6	ug/Kg	2	11/04/24	AW	SW8081B
Heptachlor	ND	7.2	ug/Kg	2	11/04/24	AW	SW8081B
Heptachlor epoxide	ND	7.2	ug/Kg	2	11/04/24	AW	SW8081B
Methoxychlor	ND	36	ug/Kg	2	11/04/24	AW	SW8081B
Toxaphene	ND	140	ug/Kg	2	11/04/24	AW	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	73		%	2	11/04/24	AW	30 - 150 %
% DCBP (Confirmation)	72		%	2	11/04/24	AW	30 - 150 %
% TCMX	62		%	2	11/04/24	AW	30 - 150 %
% TCMX (Confirmation)	63		%	2	11/04/24	AW	30 - 150 %
<u>TPH DRO (C10-C28)</u>							
Diesel Range Organics (C10-C28)	ND	54	mg/Kg	1	11/01/24	JRB	SW8015D DRO
<u>QA/QC Surrogates</u>							
% COD (surr)	98		%	1	11/01/24	JRB	50 - 150 %
% Terphenyl (surr)	106		%	1	11/01/24	JRB	50 - 150 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
1,2,4-Trichlorobenzene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
1,2-Dichlorobenzene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
1,2-Diphenylhydrazine	ND	360	ug/Kg	1	11/04/24	MR	SW8270E
1,3-Dichlorobenzene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
1,4-Dichlorobenzene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
2,4,5-Trichlorophenol	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
2,4,6-Trichlorophenol	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
2,4-Dichlorophenol	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
2,4-Dimethylphenol	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
2,4-Dinitrophenol	ND	360	ug/Kg	1	11/04/24	MR	SW8270E
2,4-Dinitrotoluene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E

Client ID: SB-10 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2,6-Dinitrotoluene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
2-Chloronaphthalene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
2-Chlorophenol	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
2-Methylnaphthalene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
2-Methylphenol (o-cresol)	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
2-Nitroaniline	ND	360	ug/Kg	1	11/04/24	MR	SW8270E
2-Nitrophenol	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	1	11/04/24	MR	SW8270E
3,3'-Dichlorobenzidine	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
3-Nitroaniline	ND	360	ug/Kg	1	11/04/24	MR	SW8270E
4,6-Dinitro-2-methylphenol	ND	360	ug/Kg	1	11/04/24	MR	SW8270E
4-Bromophenyl phenyl ether	ND	360	ug/Kg	1	11/04/24	MR	SW8270E
4-Chloro-3-methylphenol	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
4-Chloroaniline	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
4-Nitroaniline	ND	570	ug/Kg	1	11/04/24	MR	SW8270E
4-Nitrophenol	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Acenaphthene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Acenaphthylene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Acetophenone	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Aniline	ND	360	ug/Kg	1	11/04/24	MR	SW8270E
Anthracene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Benz(a)anthracene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Benzidine	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Benzo(a)pyrene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Benzo(b)fluoranthene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Benzo(ghi)perylene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Benzo(k)fluoranthene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Benzoic acid	ND	720	ug/Kg	1	11/04/24	MR	SW8270E
Benzyl butyl phthalate	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Bis(2-chloroethyl)ether	ND	360	ug/Kg	1	11/04/24	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	360	ug/Kg	1	11/04/24	MR	SW8270E
Carbazole	ND	360	ug/Kg	1	11/04/24	MR	SW8270E
Chrysene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Dibenz(a,h)anthracene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Dibenzofuran	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Diethyl phthalate	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Dimethylphthalate	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Di-n-butylphthalate	ND	360	ug/Kg	1	11/04/24	MR	SW8270E
Di-n-octylphthalate	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Fluoranthene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Fluorene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Hexachlorobenzene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Hexachlorobutadiene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Hexachlorocyclopentadiene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Hexachloroethane	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Isophorone	ND	250	ug/Kg	1	11/04/24	MR	SW8270E

Client ID: SB-10 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Naphthalene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Nitrobenzene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
N-Nitrosodimethylamine	ND	360	ug/Kg	1	11/04/24	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
N-Nitrosodiphenylamine	ND	360	ug/Kg	1	11/04/24	MR	SW8270E
Pentachloronitrobenzene	ND	360	ug/Kg	1	11/04/24	MR	SW8270E
Pentachlorophenol	ND	360	ug/Kg	1	11/04/24	MR	SW8270E
Phenanthrene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Phenol	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Pyrene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Pyridine	ND	360	ug/Kg	1	11/04/24	MR	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	91		%	1	11/04/24	MR	30 - 130 %
% 2-Fluorobiphenyl	75		%	1	11/04/24	MR	30 - 130 %
% 2-Fluorophenol	76		%	1	11/04/24	MR	30 - 130 %
% Nitrobenzene-d5	80		%	1	11/04/24	MR	30 - 130 %
% Phenol-d5	84		%	1	11/04/24	MR	30 - 130 %
% Terphenyl-d14	100		%	1	11/04/24	MR	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 (preceded 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.

The TPH (C10-C28) is quantitated using an alkane 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:

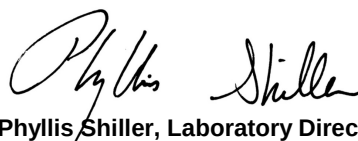
This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

Semi-Volatile Comment:

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

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

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



Phyllis Shiller, Laboratory Director

November 12, 2024

Reviewed and Released by: Rashmi Makol, Project Manager



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



Analysis Report

November 12, 2024

FOR: Attn: Jennifer Cherlin
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: SOIL
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

10/31/24
10/31/24

Time

10:55
18:15

Laboratory Data

SDG ID: GCR97583
Phoenix ID: CR97596

Project ID: INSPIRATION WHARF (PORT WASHINGTON)
Client ID: SB-13 GRAB (9.5-10`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Field Extraction	Completed				10/31/24		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,1-Trichloroethane	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,2-Trichloroethane	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloroethane	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloroethene	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloropropene	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,3-Trichloropropane	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dibromoethane	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichlorobenzene	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichloroethane	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichloropropane	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,3-Dichlorobenzene	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,3-Dichloropropane	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
1,4-Dichlorobenzene	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
2,2-Dichloropropane	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
2-Chlorotoluene	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
2-Hexanone	ND	23	ug/Kg	1	11/02/24	JLI	SW8260D
2-Isopropyltoluene	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
4-Methyl-2-pentanone	ND	23	ug/Kg	1	11/02/24	JLI	SW8260D
Acetone	ND	23	ug/Kg	1	11/02/24	JLI	SW8260D
Acrylonitrile	ND	9.1	ug/Kg	1	11/02/24	JLI	SW8260D
Benzene	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
Bromobenzene	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
Bromochloromethane	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
Bromodichloromethane	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
Bromoform	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
Bromomethane	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
Carbon Disulfide	9.6	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
Carbon tetrachloride	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
Chlorobenzene	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
Chloroethane	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
Chloroform	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
Chloromethane	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
cis-1,2-Dichloroethene	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
cis-1,3-Dichloropropene	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
Dibromochloromethane	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
Dibromomethane	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
Dichlorodifluoromethane	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
Ethylbenzene	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
Hexachlorobutadiene	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
Isopropylbenzene	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
m&p-Xylene	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
Methyl Ethyl Ketone	ND	23	ug/Kg	1	11/02/24	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	9.1	ug/Kg	1	11/02/24	JLI	SW8260D
Methylene chloride	ND	9.1	ug/Kg	1	11/02/24	JLI	SW8260D
Naphthalene	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
n-Butylbenzene	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
n-Propylbenzene	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
o-Xylene	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
p-Isopropyltoluene	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
sec-Butylbenzene	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
Styrene	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
tert-Butylbenzene	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
Tetrachloroethene	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
Tetrahydrofuran (THF)	ND	9.1	ug/Kg	1	11/02/24	JLI	SW8260D
Toluene	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
Total Xylenes	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,2-Dichloroethene	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,3-Dichloropropene	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	9.1	ug/Kg	1	11/02/24	JLI	SW8260D
Trichloroethene	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
Trichlorofluoromethane	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
Trichlorotrifluoroethane	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
Vinyl chloride	ND	4.6	ug/Kg	1	11/02/24	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	96		%	1	11/02/24	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	97		%	1	11/02/24	JLI	70 - 130 %
% Dibromofluoromethane	89		%	1	11/02/24	JLI	70 - 130 %
% Toluene-d8	98		%	1	11/02/24	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

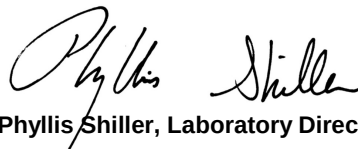
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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

November 12, 2024

Reviewed and Released by: Rashmi Makol, Project Manager



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



Analysis Report

November 12, 2024

FOR: Attn: Jennifer Cherlin
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: SOIL
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time
10/31/24 11:00
10/31/24 18:15

Laboratory Data

SDG ID: GCR97583
Phoenix ID: CR97597

Project ID: INSPIRATION WHARF (PORT WASHINGTON)
Client ID: SB-13 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.58	0.58	mg/Kg	1	11/05/24	PS	SW6010D
Aluminum	2840	8.7	mg/Kg	1	11/05/24	PS	SW6010D
Arsenic	2.6	1.2	mg/Kg	1	11/05/24	PS	SW6010D
Barium	14.7	0.58	mg/Kg	1	11/05/24	PS	SW6010D
Beryllium	< 0.47	0.47	mg/Kg	1	11/05/24	PS	SW6010D
Calcium	7440	8.7	mg/Kg	1	11/05/24	PS	SW6010D
Cadmium	< 0.58	0.58	mg/Kg	1	11/05/24	PS	SW6010D
Cobalt	1.82	0.58	mg/Kg	1	11/05/24	PS	SW6010D
Chromium	8.86	0.58	mg/Kg	1	11/05/24	PS	SW6010D
Copper	8.5	1.2	mg/kg	1	11/05/24	PS	SW6010D
Iron	7560	8.7	mg/Kg	1	11/05/24	PS	SW6010D
Mercury	0.11	0.03	mg/Kg	2	11/04/24	AL1	SW7471B
Potassium	705	87	mg/Kg	10	11/01/24	PS	SW6010D
Magnesium	1220	8.7	mg/Kg	1	11/05/24	PS	SW6010D
Manganese	75.6	0.58	mg/Kg	1	11/05/24	PS	SW6010D
Sodium	1950	8.7	mg/Kg	1	11/05/24	PS	SW6010D
Nickel	5.08	0.58	mg/Kg	1	11/05/24	PS	SW6010D
Lead	8.14	0.58	mg/Kg	1	11/05/24	PS	SW6010D
Antimony	< 5.8	5.8	mg/Kg	1	11/05/24	PS	SW6010D
Selenium	< 2.3	2.3	mg/Kg	1	11/05/24	PS	SW6010D
Thallium	< 5.2	5.2	mg/Kg	1	11/05/24	PS	SW6010D
Vanadium	8.83	0.58	mg/Kg	1	11/05/24	PS	SW6010D
Zinc	15.7	1.2	mg/Kg	1	11/05/24	PS	SW6010D
Percent Solid	86		%		10/31/24	CV	SW846-%Solid
Corrosivity	Negative		Pos/Neg	1	10/31/24	AF	SW846-Corr
Flash Point	>200	200	Degree F	1	11/05/24	G	SW1010B
Chromium, Hex. (SW3060A digestion	< 0.42	0.42	mg/Kg	1	11/01/24	NP	SW7196A
Ignitability	Passed	140	degree F	1	11/05/24	G	SW846-Ignit

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
pH at 25C - Soil	7.98	1.00	pH Units	1	10/31/24 23:03	AF	SW846 9045D	1
Reactivity Cyanide	< 6	6	mg/Kg	1	11/05/24	NP/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20	mg/Kg	1	11/06/24	NP/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	11/06/24	NP/GD	SW846-React	1
Redox Potential	233		mV	1	10/31/24	AF	SM2580B-09	1
Mercury Digestion	Completed				11/01/24	AC1/AC1	SW7471B	
Extraction of NY ETPH	Completed				10/31/24	J/H/X/	SW3546	
Soil Extraction for Herbicide	Completed				11/06/24	Y/MQ	SW3546	
Soil Extraction for PCB	Completed				11/04/24	AC1/H/U	SW3546	
Soil Extraction for Pesticides	Completed				11/04/24	AC1/H/U	SW3546	
Soil Extraction for SVOA	Completed				11/04/24	RB/RB	SW3546	
Paint Filter Test	Passed		PASS/FAIL		10/31/24	O	SW9095B	
Total Metals Digest	Completed				10/31/24	J/AG	SW3050B	

Gasoline Range Hydrocarbons (C6-C10)

GRO (C6-C10)	ND	L 6.5	mg/Kg	50	11/02/24	V	SW8015D GRO

QA/QC Surrogates

% 2,5-Dibromotoluene (FID)	103		%	50	11/02/24	V	70 - 130 %

Chlorinated Herbicides

2,4,5-T	ND	140	ug/Kg	10	11/08/24	JRB	SW8151A
2,4,5-TP (Silvex)	ND	140	ug/Kg	10	11/08/24	JRB	SW8151A
2,4-D	ND	290	ug/Kg	10	11/08/24	JRB	SW8151A
2,4-DB	ND	2900	ug/Kg	10	11/08/24	JRB	SW8151A
Dalapon	ND	140	ug/Kg	10	11/08/24	JRB	SW8151A
Dicamba	ND	140	ug/Kg	10	11/08/24	JRB	SW8151A
Dichloroprop	ND	290	ug/Kg	10	11/08/24	JRB	SW8151A
Dinoseb	ND	290	ug/Kg	10	11/08/24	JRB	SW8151A

QA/QC Surrogates

% DCAA	74		%	10	11/08/24	JRB	30 - 150 %
% DCAA (Confirmation)	67		%	10	11/08/24	JRB	30 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	77	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1221	ND	77	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1232	ND	77	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1242	ND	77	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1248	ND	77	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1254	ND	77	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1260	ND	77	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1262	ND	77	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1268	ND	77	ug/Kg	2	11/05/24	SC	SW8082A

QA/QC Surrogates

% DCBP	40		%	2	11/05/24	SC	30 - 150 %
% DCBP (Confirmation)	34		%	2	11/05/24	SC	30 - 150 %
% TCMX	48		%	2	11/05/24	SC	30 - 150 %
% TCMX (Confirmation)	44		%	2	11/05/24	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Pesticides - Soil</u>							
4,4' -DDD	ND	2.3	ug/Kg	2	11/06/24	KCA	SW8081B
4,4' -DDE	45	2.3	ug/Kg	2	11/06/24	KCA	SW8081B
4,4' -DDT	ND	2.3	ug/Kg	2	11/06/24	KCA	SW8081B
a-BHC	ND	7.7	ug/Kg	2	11/06/24	KCA	SW8081B
a-Chlordane	ND	3.9	ug/Kg	2	11/06/24	KCA	SW8081B
Aldrin	ND	3.9	ug/Kg	2	11/06/24	KCA	SW8081B
b-BHC	ND	7.7	ug/Kg	2	11/06/24	KCA	SW8081B
Chlordane	ND	39	ug/Kg	2	11/06/24	KCA	SW8081B
d-BHC	ND	7.7	ug/Kg	2	11/06/24	KCA	SW8081B
Dieldrin	8.7	3.9	ug/Kg	2	11/06/24	KCA	SW8081B
Endosulfan I	ND	7.7	ug/Kg	2	11/06/24	KCA	SW8081B
Endosulfan II	ND	7.7	ug/Kg	2	11/06/24	KCA	SW8081B
Endosulfan sulfate	ND	7.7	ug/Kg	2	11/06/24	KCA	SW8081B
Endrin	ND	7.7	ug/Kg	2	11/06/24	KCA	SW8081B
Endrin aldehyde	ND	7.7	ug/Kg	2	11/06/24	KCA	SW8081B
Endrin ketone	ND	7.7	ug/Kg	2	11/06/24	KCA	SW8081B
g-BHC	ND	1.5	ug/Kg	2	11/06/24	KCA	SW8081B
g-Chlordane	ND	3.9	ug/Kg	2	11/06/24	KCA	SW8081B
Heptachlor	ND	7.7	ug/Kg	2	11/06/24	KCA	SW8081B
Heptachlor epoxide	ND	7.7	ug/Kg	2	11/06/24	KCA	SW8081B
Methoxychlor	ND	39	ug/Kg	2	11/06/24	KCA	SW8081B
Toxaphene	ND	150	ug/Kg	2	11/06/24	KCA	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	32		%	2	11/06/24	KCA	30 - 150 %
% DCBP (Confirmation)	34		%	2	11/06/24	KCA	30 - 150 %
% TCMX	36		%	2	11/06/24	KCA	30 - 150 %
% TCMX (Confirmation)	39		%	2	11/06/24	KCA	30 - 150 %
<u>TPH DRO (C10-C28)</u>							
Diesel Range Organics (C10-C28)	ND	57	mg/Kg	1	11/01/24	JRB	SW8015D DRO
<u>QA/QC Surrogates</u>							
% COD (surr)	90		%	1	11/01/24	JRB	50 - 150 %
% Terphenyl (surr)	96		%	1	11/01/24	JRB	50 - 150 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
1,2,4-Trichlorobenzene	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
1,2-Dichlorobenzene	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
1,2-Diphenylhydrazine	ND	380	ug/Kg	1	11/04/24	MR	SW8270E
1,3-Dichlorobenzene	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
1,4-Dichlorobenzene	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
2,4,5-Trichlorophenol	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
2,4,6-Trichlorophenol	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
2,4-Dichlorophenol	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
2,4-Dimethylphenol	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
2,4-Dinitrophenol	ND	380	ug/Kg	1	11/04/24	MR	SW8270E
2,4-Dinitrotoluene	ND	270	ug/Kg	1	11/04/24	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2,6-Dinitrotoluene	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
2-Chloronaphthalene	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
2-Chlorophenol	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
2-Methylnaphthalene	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
2-Methylphenol (o-cresol)	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
2-Nitroaniline	ND	380	ug/Kg	1	11/04/24	MR	SW8270E
2-Nitrophenol	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	1	11/04/24	MR	SW8270E
3,3'-Dichlorobenzidine	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
3-Nitroaniline	ND	380	ug/Kg	1	11/04/24	MR	SW8270E
4,6-Dinitro-2-methylphenol	ND	380	ug/Kg	1	11/04/24	MR	SW8270E
4-Bromophenyl phenyl ether	ND	380	ug/Kg	1	11/04/24	MR	SW8270E
4-Chloro-3-methylphenol	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
4-Chloroaniline	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
4-Nitroaniline	ND	610	ug/Kg	1	11/04/24	MR	SW8270E
4-Nitrophenol	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
Acenaphthene	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
Acenaphthylene	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
Acetophenone	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
Aniline	ND	380	ug/Kg	1	11/04/24	MR	SW8270E
Anthracene	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
Benz(a)anthracene	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
Benzidine	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
Benzo(a)pyrene	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
Benzo(b)fluoranthene	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
Benzo(ghi)perylene	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
Benzo(k)fluoranthene	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
Benzoic acid	ND	770	ug/Kg	1	11/04/24	MR	SW8270E
Benzyl butyl phthalate	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
Bis(2-chloroethyl)ether	ND	380	ug/Kg	1	11/04/24	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	380	ug/Kg	1	11/04/24	MR	SW8270E
Carbazole	ND	380	ug/Kg	1	11/04/24	MR	SW8270E
Chrysene	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
Dibenzofuran	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
Diethyl phthalate	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
Dimethylphthalate	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
Di-n-butylphthalate	ND	380	ug/Kg	1	11/04/24	MR	SW8270E
Di-n-octylphthalate	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
Fluoranthene	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
Fluorene	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
Hexachlorobenzene	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
Hexachlorobutadiene	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
Hexachlorocyclopentadiene	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
Hexachloroethane	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
Isophorone	ND	270	ug/Kg	1	11/04/24	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Naphthalene	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
Nitrobenzene	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
N-Nitrosodimethylamine	ND	380	ug/Kg	1	11/04/24	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
N-Nitrosodiphenylamine	ND	380	ug/Kg	1	11/04/24	MR	SW8270E
Pentachloronitrobenzene	ND	380	ug/Kg	1	11/04/24	MR	SW8270E
Pentachlorophenol	ND	380	ug/Kg	1	11/04/24	MR	SW8270E
Phenanthrene	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
Phenol	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
Pyrene	ND	270	ug/Kg	1	11/04/24	MR	SW8270E
Pyridine	ND	380	ug/Kg	1	11/04/24	MR	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	88		%	1	11/04/24	MR	30 - 130 %
% 2-Fluorobiphenyl	75		%	1	11/04/24	MR	30 - 130 %
% 2-Fluorophenol	70		%	1	11/04/24	MR	30 - 130 %
% Nitrobenzene-d5	71		%	1	11/04/24	MR	30 - 130 %
% Phenol-d5	75		%	1	11/04/24	MR	30 - 130 %
% Terphenyl-d14	82		%	1	11/04/24	MR	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 (preceded 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.

The TPH (C10-C28) is quantitated using an alkane 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:

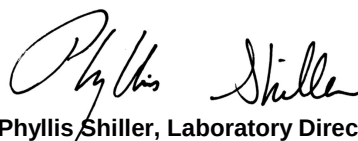
This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

Semi-Volatile Comment:

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

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

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



Phyllis Shiller, Laboratory Director

November 12, 2024

Reviewed and Released by: Rashmi Makol, Project Manager



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



Analysis Report

November 12, 2024

FOR: Attn: Jennifer Cherlin
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: SOIL
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

10/31/24
10/31/24

Time

11:10
18:15

Laboratory Data

SDG ID: GCR97583
Phoenix ID: CR97598

Project ID: INSPIRATION WHARF (PORT WASHINGTON)
Client ID: SB-12 GRAB (9.5-10`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Field Extraction	Completed				10/31/24		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
1,1,1-Trichloroethane	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
1,1,2-Trichloroethane	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
1,1-Dichloroethane	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
1,1-Dichloroethene	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
1,1-Dichloropropene	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
1,2,3-Trichloropropane	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
1,2-Dibromoethane	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
1,2-Dichlorobenzene	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
1,2-Dichloroethane	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
1,2-Dichloropropane	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
1,3-Dichlorobenzene	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
1,3-Dichloropropane	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
1,4-Dichlorobenzene	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
2,2-Dichloropropane	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
2-Chlorotoluene	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
2-Hexanone	ND	32	ug/Kg	1	11/04/24	JLI	SW8260D
2-Isopropyltoluene	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
4-Methyl-2-pentanone	ND	32	ug/Kg	1	11/04/24	JLI	SW8260D
Acetone	ND	32	ug/Kg	1	11/04/24	JLI	SW8260D
Acrylonitrile	ND	13	ug/Kg	1	11/04/24	JLI	SW8260D
Benzene	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
Bromobenzene	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
Bromochloromethane	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
Bromodichloromethane	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
Bromoform	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
Bromomethane	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
Carbon Disulfide	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
Carbon tetrachloride	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
Chlorobenzene	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
Chloroethane	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
Chloroform	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
Chloromethane	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
cis-1,2-Dichloroethene	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
cis-1,3-Dichloropropene	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
Dibromochloromethane	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
Dibromomethane	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
Dichlorodifluoromethane	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
Ethylbenzene	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
Hexachlorobutadiene	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
Isopropylbenzene	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
m&p-Xylene	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
Methyl Ethyl Ketone	ND	32	ug/Kg	1	11/04/24	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	13	ug/Kg	1	11/04/24	JLI	SW8260D
Methylene chloride	ND	13	ug/Kg	1	11/04/24	JLI	SW8260D
Naphthalene	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
n-Butylbenzene	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
n-Propylbenzene	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
o-Xylene	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
p-Isopropyltoluene	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
sec-Butylbenzene	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
Styrene	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
tert-Butylbenzene	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
Tetrachloroethene	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
Tetrahydrofuran (THF)	ND	13	ug/Kg	1	11/04/24	JLI	SW8260D
Toluene	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
Total Xylenes	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
trans-1,2-Dichloroethene	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
trans-1,3-Dichloropropene	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	13	ug/Kg	1	11/04/24	JLI	SW8260D
Trichloroethene	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
Trichlorofluoromethane	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
Trichlorotrifluoroethane	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
Vinyl chloride	ND	6.3	ug/Kg	1	11/04/24	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	95		%	1	11/04/24	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	97		%	1	11/04/24	JLI	70 - 130 %
% Dibromofluoromethane	98		%	1	11/04/24	JLI	70 - 130 %
% Toluene-d8	90		%	1	11/04/24	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

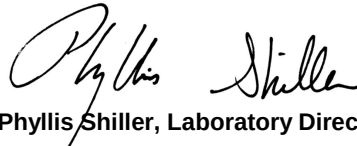
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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

November 12, 2024

Reviewed and Released by: Rashmi Makol, Project Manager



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



Analysis Report

November 12, 2024

FOR: Attn: Jennifer Cherlin
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: SOIL
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time
10/31/24 11:20
10/31/24 18:15

Laboratory Data

SDG ID: GCR97583
Phoenix ID: CR97599

Project ID: INSPIRATION WHARF (PORT WASHINGTON)
Client ID: SB-12 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.42	0.42	mg/Kg	1	11/01/24	CPP	SW6010D
Aluminum	2770	6.4	mg/Kg	1	11/01/24	CPP	SW6010D
Arsenic	5.23	0.85	mg/Kg	1	11/01/24	CPP	SW6010D
Barium	68.1	0.42	mg/Kg	1	11/05/24	TH	SW6010D
Beryllium	< 0.34	0.34	mg/Kg	1	11/05/24	TH	SW6010D
Calcium	8690	6.4	mg/Kg	1	11/01/24	CPP	SW6010D
Cadmium	< 0.42	0.42	mg/Kg	1	11/05/24	TH	SW6010D
Cobalt	2.78	0.42	mg/Kg	1	11/01/24	CPP	SW6010D
Chromium	12.4	0.42	mg/Kg	1	11/01/24	CPP	SW6010D
Copper	63.2	0.8	mg/kg	1	11/01/24	CPP	SW6010D
Iron	8680	6.4	mg/Kg	1	11/01/24	CPP	SW6010D
Mercury	0.15	0.03	mg/Kg	2	11/04/24	AL1	SW7471B
Potassium	516	64	mg/Kg	10	11/01/24	CPP	SW6010D
Magnesium	2040	6.4	mg/Kg	1	11/01/24	CPP	SW6010D
Manganese	137	0.42	mg/Kg	1	11/05/24	TH	SW6010D
Sodium	1890	6.4	mg/Kg	1	11/01/24	CPP	SW6010D
Nickel	13.0	0.42	mg/Kg	1	11/01/24	CPP	SW6010D
Lead	183	0.42	mg/Kg	1	11/01/24	CPP	SW6010D
Antimony	< 4.2	4.2	mg/Kg	1	11/01/24	CPP	SW6010D
Selenium	< 1.7	1.7	mg/Kg	1	11/01/24	CPP	SW6010D
Thallium	< 3.8	3.8	mg/Kg	1	11/01/24	CPP	SW6010D
Vanadium	11.6	0.42	mg/Kg	1	11/01/24	CPP	SW6010D
Zinc	105	0.8	mg/Kg	1	11/01/24	CPP	SW6010D
Percent Solid	83		%		10/31/24	CV	SW846-%Solid
Corrosivity	Negative		Pos/Neg	1	10/31/24	AF/KG	SW846-Corr
Flash Point	>200	200	Degree F	1	11/05/24	G	SW1010B
Chromium, Hex. (SW3060A digestion)	< 0.46	0.46	mg/Kg	1	11/01/24	NP	SW7196A
Ignitability	Passed	140	degree F	1	11/05/24	G	SW846-Ignit

Client ID: SB-12 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
pH at 25C - Soil	7.94	1.00	pH Units	1	10/31/24 23:03	AF/KG	SW846 9045D	1
Reactivity Cyanide	< 6	6	mg/Kg	1	11/05/24	NP/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20	mg/Kg	1	11/06/24	NP/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	11/06/24	NP/GD	SW846-React	1
Redox Potential	-154		mV	1	10/31/24	AF/KG	SM2580B-09	1
Mercury Digestion	Completed				11/01/24	AC1/AC1	SW7471B	
Extraction of NY ETPH	Completed				10/31/24	J/H/X/	SW3546	
Soil Extraction for Herbicide	Completed				11/07/24	Y/D/MQ	SW3546	
Soil Extraction for PCB	Completed				11/04/24	AC1/H/U	SW3546	
Soil Extraction for Pesticides	Completed				11/04/24	AC1/H/U	SW3546	
Soil Extraction for SVOA	Completed				11/04/24	RB/RB	SW3546	
Paint Filter Test	Passed		PASS/FAIL		10/31/24	O	SW9095B	
Total Metals Digest	Completed				10/31/24	J/AG	SW3050B	

Gasoline Range Hydrocarbons (C6-C10)

GRO (C6-C10)	ND	L 7.0	mg/Kg	50	11/02/24	V	SW8015D GRO

QA/QC Surrogates

% 2,5-Dibromotoluene (FID)	100		%	50	11/02/24	V	70 - 130 %

Chlorinated Herbicides

2,4,5-T	ND	150	ug/Kg	10	11/08/24	JRB	SW8151A
2,4,5-TP (Silvex)	ND	150	ug/Kg	10	11/08/24	JRB	SW8151A
2,4-D	ND	300	ug/Kg	10	11/08/24	JRB	SW8151A
2,4-DB	ND	3000	ug/Kg	10	11/08/24	JRB	SW8151A
Dalapon	ND	150	ug/Kg	10	11/08/24	JRB	SW8151A
Dicamba	ND	150	ug/Kg	10	11/08/24	JRB	SW8151A
Dichloroprop	ND	300	ug/Kg	10	11/08/24	JRB	SW8151A
Dinoseb	ND	300	ug/Kg	10	11/08/24	JRB	SW8151A

QA/QC Surrogates

% DCAA	85		%	10	11/08/24	JRB	30 - 150 %
% DCAA (Confirmation)	93		%	10	11/08/24	JRB	30 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	79	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1221	ND	79	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1232	ND	79	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1242	ND	79	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1248	ND	79	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1254	ND	79	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1260	ND	79	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1262	ND	79	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1268	ND	79	ug/Kg	2	11/05/24	SC	SW8082A

QA/QC Surrogates

% DCBP	34		%	2	11/05/24	SC	30 - 150 %
% DCBP (Confirmation)	28		%	2	11/05/24	SC	30 - 150 %
% TCMX	41		%	2	11/05/24	SC	30 - 150 %
% TCMX (Confirmation)	38		%	2	11/05/24	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Pesticides - Soil</u>							
4,4' -DDD	ND	2.4	ug/Kg	2	11/06/24	KCA	SW8081B
4,4' -DDE	18	2.4	ug/Kg	2	11/06/24	KCA	SW8081B
4,4' -DDT	ND	2.4	ug/Kg	2	11/06/24	KCA	SW8081B
a-BHC	ND	7.9	ug/Kg	2	11/06/24	KCA	SW8081B
a-Chlordane	37	4.0	ug/Kg	2	11/06/24	KCA	SW8081B
Aldrin	ND	4.0	ug/Kg	2	11/06/24	KCA	SW8081B
b-BHC	ND	7.9	ug/Kg	2	11/06/24	KCA	SW8081B
Chlordane	180	40	ug/Kg	2	11/06/24	KCA	SW8081B
d-BHC	ND	7.9	ug/Kg	2	11/06/24	KCA	SW8081B
Dieldrin	ND	4.0	ug/Kg	2	11/06/24	KCA	SW8081B
Endosulfan I	ND	7.9	ug/Kg	2	11/06/24	KCA	SW8081B
Endosulfan II	ND	7.9	ug/Kg	2	11/06/24	KCA	SW8081B
Endosulfan sulfate	ND	7.9	ug/Kg	2	11/06/24	KCA	SW8081B
Endrin	ND	7.9	ug/Kg	2	11/06/24	KCA	SW8081B
Endrin aldehyde	ND	7.9	ug/Kg	2	11/06/24	KCA	SW8081B
Endrin ketone	ND	7.9	ug/Kg	2	11/06/24	KCA	SW8081B
g-BHC	ND	1.6	ug/Kg	2	11/06/24	KCA	SW8081B
g-Chlordane	35	4.0	ug/Kg	2	11/06/24	KCA	SW8081B
Heptachlor	ND	7.9	ug/Kg	2	11/06/24	KCA	SW8081B
Heptachlor epoxide	ND	7.9	ug/Kg	2	11/06/24	KCA	SW8081B
Methoxychlor	ND	40	ug/Kg	2	11/06/24	KCA	SW8081B
Toxaphene	ND	160	ug/Kg	2	11/06/24	KCA	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	30		%	2	11/06/24	KCA	30 - 150 %
% DCBP (Confirmation)	31		%	2	11/06/24	KCA	30 - 150 %
% TCMX	31		%	2	11/06/24	KCA	30 - 150 %
% TCMX (Confirmation)	32		%	2	11/06/24	KCA	30 - 150 %
<u>TPH DRO (C10-C28)</u>							
Diesel Range Organics (C10-C28)	ND	59	mg/Kg	1	11/01/24	JRB	SW8015D DRO
<u>QA/QC Surrogates</u>							
% COD (surr)	90		%	1	11/01/24	JRB	50 - 150 %
% Terphenyl (surr)	96		%	1	11/01/24	JRB	50 - 150 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
1,2,4-Trichlorobenzene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
1,2-Dichlorobenzene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
1,2-Diphenylhydrazine	ND	400	ug/Kg	1	11/04/24	MR	SW8270E
1,3-Dichlorobenzene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
1,4-Dichlorobenzene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
2,4,5-Trichlorophenol	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
2,4,6-Trichlorophenol	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
2,4-Dichlorophenol	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
2,4-Dimethylphenol	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
2,4-Dinitrophenol	ND	400	ug/Kg	1	11/04/24	MR	SW8270E
2,4-Dinitrotoluene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2,6-Dinitrotoluene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
2-Chloronaphthalene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
2-Chlorophenol	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
2-Methylnaphthalene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
2-Methylphenol (o-cresol)	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
2-Nitroaniline	ND	400	ug/Kg	1	11/04/24	MR	SW8270E
2-Nitrophenol	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	1	11/04/24	MR	SW8270E
3,3'-Dichlorobenzidine	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
3-Nitroaniline	ND	400	ug/Kg	1	11/04/24	MR	SW8270E
4,6-Dinitro-2-methylphenol	ND	400	ug/Kg	1	11/04/24	MR	SW8270E
4-Bromophenyl phenyl ether	ND	400	ug/Kg	1	11/04/24	MR	SW8270E
4-Chloro-3-methylphenol	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
4-Chloroaniline	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
4-Nitroaniline	ND	640	ug/Kg	1	11/04/24	MR	SW8270E
4-Nitrophenol	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Acenaphthene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Acenaphthylene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Acetophenone	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Aniline	ND	400	ug/Kg	1	11/04/24	MR	SW8270E
Anthracene	400	280	ug/Kg	1	11/04/24	MR	SW8270E
Benz(a)anthracene	870	280	ug/Kg	1	11/04/24	MR	SW8270E
Benzidine	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Benzo(a)pyrene	840	280	ug/Kg	1	11/04/24	MR	SW8270E
Benzo(b)fluoranthene	980	280	ug/Kg	1	11/04/24	MR	SW8270E
Benzo(ghi)perylene	490	280	ug/Kg	1	11/04/24	MR	SW8270E
Benzo(k)fluoranthene	350	280	ug/Kg	1	11/04/24	MR	SW8270E
Benzoic acid	ND	800	ug/Kg	1	11/04/24	MR	SW8270E
Benzyl butyl phthalate	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Bis(2-chloroethyl)ether	ND	400	ug/Kg	1	11/04/24	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	400	ug/Kg	1	11/04/24	MR	SW8270E
Carbazole	ND	400	ug/Kg	1	11/04/24	MR	SW8270E
Chrysene	750	280	ug/Kg	1	11/04/24	MR	SW8270E
Dibenz(a,h)anthracene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Dibenzofuran	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Diethyl phthalate	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Dimethylphthalate	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Di-n-butylphthalate	ND	400	ug/Kg	1	11/04/24	MR	SW8270E
Di-n-octylphthalate	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Fluoranthene	2100	280	ug/Kg	1	11/04/24	MR	SW8270E
Fluorene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Hexachlorobenzene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Hexachlorobutadiene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Hexachlorocyclopentadiene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Hexachloroethane	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Indeno(1,2,3-cd)pyrene	480	280	ug/Kg	1	11/04/24	MR	SW8270E
Isophorone	ND	280	ug/Kg	1	11/04/24	MR	SW8270E

Client ID: SB-12 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Naphthalene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Nitrobenzene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
N-Nitrosodimethylamine	ND	400	ug/Kg	1	11/04/24	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
N-Nitrosodiphenylamine	ND	400	ug/Kg	1	11/04/24	MR	SW8270E
Pentachloronitrobenzene	ND	400	ug/Kg	1	11/04/24	MR	SW8270E
Pentachlorophenol	ND	400	ug/Kg	1	11/04/24	MR	SW8270E
Phenanthrene	1200	280	ug/Kg	1	11/04/24	MR	SW8270E
Phenol	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Pyrene	1900	280	ug/Kg	1	11/04/24	MR	SW8270E
Pyridine	ND	400	ug/Kg	1	11/04/24	MR	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	88		%	1	11/04/24	MR	30 - 130 %
% 2-Fluorobiphenyl	75		%	1	11/04/24	MR	30 - 130 %
% 2-Fluorophenol	79		%	1	11/04/24	MR	30 - 130 %
% Nitrobenzene-d5	81		%	1	11/04/24	MR	30 - 130 %
% Phenol-d5	83		%	1	11/04/24	MR	30 - 130 %
% Terphenyl-d14	96		%	1	11/04/24	MR	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.

3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL

BRL=Below Reporting Level L=Biased Low

QA/QC Surrogates: Surrogates are compounds (preceded 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.

The TPH (C10-C28) is quantitated using an alkane 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:

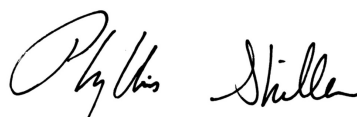
This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

Semi-Volatile Comment:

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

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

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



Phyllis Shiller, Laboratory Director

November 12, 2024

Reviewed and Released by: Rashmi Makol, Project Manager



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



Analysis Report

November 12, 2024

FOR: Attn: Jennifer Cherlin
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: SOIL
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

10/31/24
10/31/24

Time

11:25
18:15

Laboratory Data

SDG ID: GCR97583
Phoenix ID: CR97600

Project ID: INSPIRATION WHARF (PORT WASHINGTON)
Client ID: SB-16 GRAB (9.5-10')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Field Extraction	Completed				10/31/24		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
1,1,1-Trichloroethane	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
1,1,2-Trichloroethane	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
1,1-Dichloroethane	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
1,1-Dichloroethene	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
1,1-Dichloropropene	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
1,2,3-Trichloropropane	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
1,2-Dibromoethane	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
1,2-Dichlorobenzene	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
1,2-Dichloroethane	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
1,2-Dichloropropane	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
1,3-Dichlorobenzene	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
1,3-Dichloropropane	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
1,4-Dichlorobenzene	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
2,2-Dichloropropane	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
2-Chlorotoluene	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
2-Hexanone	ND	23	ug/Kg	1	11/04/24	JLI	SW8260D
2-Isopropyltoluene	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
4-Methyl-2-pentanone	ND	23	ug/Kg	1	11/04/24	JLI	SW8260D
Acetone	ND	23	ug/Kg	1	11/04/24	JLI	SW8260D
Acrylonitrile	ND	9.2	ug/Kg	1	11/04/24	JLI	SW8260D
Benzene	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
Bromobenzene	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
Bromochloromethane	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
Bromodichloromethane	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
Bromoform	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
Bromomethane	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
Carbon Disulfide	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
Carbon tetrachloride	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
Chlorobenzene	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
Chloroethane	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
Chloroform	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
Chloromethane	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
cis-1,2-Dichloroethene	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
cis-1,3-Dichloropropene	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
Dibromochloromethane	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
Dibromomethane	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
Dichlorodifluoromethane	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
Ethylbenzene	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
Hexachlorobutadiene	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
Isopropylbenzene	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
m&p-Xylene	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
Methyl Ethyl Ketone	ND	23	ug/Kg	1	11/04/24	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	9.2	ug/Kg	1	11/04/24	JLI	SW8260D
Methylene chloride	ND	9.2	ug/Kg	1	11/04/24	JLI	SW8260D
Naphthalene	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
n-Butylbenzene	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
n-Propylbenzene	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
o-Xylene	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
p-Isopropyltoluene	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
sec-Butylbenzene	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
Styrene	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
tert-Butylbenzene	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
Tetrachloroethene	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
Tetrahydrofuran (THF)	ND	9.2	ug/Kg	1	11/04/24	JLI	SW8260D
Toluene	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
Total Xylenes	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
trans-1,2-Dichloroethene	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
trans-1,3-Dichloropropene	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	9.2	ug/Kg	1	11/04/24	JLI	SW8260D
Trichloroethene	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
Trichlorofluoromethane	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
Trichlorotrifluoroethane	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
Vinyl chloride	ND	4.6	ug/Kg	1	11/04/24	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	95		%	1	11/04/24	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	96		%	1	11/04/24	JLI	70 - 130 %
% Dibromofluoromethane	94		%	1	11/04/24	JLI	70 - 130 %
% Toluene-d8	93		%	1	11/04/24	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

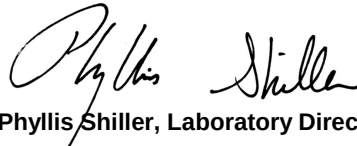
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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

November 12, 2024

Reviewed and Released by: Rashmi Makol, Project Manager



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



Analysis Report

November 12, 2024

FOR: Attn: Jennifer Cherlin
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: SOIL
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

10/31/24 11:50
10/31/24 18:15

Time

Laboratory Data

SDG ID: GCR97583
Phoenix ID: CR97601

Project ID: INSPIRATION WHARF (PORT WASHINGTON)
Client ID: SB-16 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.39	0.39	mg/Kg	1	11/01/24	CPP	SW6010D
Aluminum	3240	5.9	mg/Kg	1	11/01/24	CPP	SW6010D
Arsenic	1.61	0.78	mg/Kg	1	11/01/24	CPP	SW6010D
Barium	22.3	0.39	mg/Kg	1	11/05/24	TH	SW6010D
Beryllium	< 0.31	0.31	mg/Kg	1	11/05/24	TH	SW6010D
Calcium	1620	5.9	mg/Kg	1	11/01/24	CPP	SW6010D
Cadmium	< 0.39	0.39	mg/Kg	1	11/05/24	TH	SW6010D
Cobalt	2.11	0.39	mg/Kg	1	11/01/24	CPP	SW6010D
Chromium	10.0	0.39	mg/Kg	1	11/01/24	CPP	SW6010D
Copper	7.7	0.8	mg/kg	1	11/01/24	CPP	SW6010D
Iron	5430	5.9	mg/Kg	1	11/01/24	CPP	SW6010D
Mercury	0.15	0.03	mg/Kg	2	11/04/24	AL1	SW7471B
Potassium	388	5.9	mg/Kg	1	11/01/24	CPP	SW6010D
Magnesium	898	5.9	mg/Kg	1	11/01/24	CPP	SW6010D
Manganese	73.9	0.39	mg/Kg	1	11/05/24	TH	SW6010D
Sodium	78.5	5.9	mg/Kg	1	11/01/24	CPP	SW6010D
Nickel	5.66	0.39	mg/Kg	1	11/01/24	CPP	SW6010D
Lead	47.1	0.39	mg/Kg	1	11/01/24	CPP	SW6010D
Antimony	< 3.9	3.9	mg/Kg	1	11/01/24	CPP	SW6010D
Selenium	< 1.6	1.6	mg/Kg	1	11/01/24	CPP	SW6010D
Thallium	< 3.5	3.5	mg/Kg	1	11/01/24	CPP	SW6010D
Vanadium	8.63	0.39	mg/Kg	1	11/01/24	CPP	SW6010D
Zinc	49.3	0.8	mg/Kg	1	11/01/24	CPP	SW6010D
Percent Solid	90		%		10/31/24	CV	SW846-%Solid
Corrosivity	Negative		Pos/Neg	1	10/31/24	AF/KG	SW846-Corr
Flash Point	>200	200	Degree F	1	11/05/24	G	SW1010B
Chromium, Hex. (SW3060A digestion)	0.43	0.41	mg/Kg	1	11/01/24	NP	SW7196A
Ignitability	Passed	140	degree F	1	11/05/24	G	SW846-Ignit

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
pH at 25C - Soil	7.96	1.00	pH Units	1	10/31/24 23:03	AF/KG	SW846 9045D	1
Reactivity Cyanide	< 5	5	mg/Kg	1	11/05/24	NP/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20	mg/Kg	1	11/06/24	NP/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	11/06/24	NP/GD	SW846-React	1
Redox Potential	140		mV	1	10/31/24	AF/KG	SM2580B-09	1
Mercury Digestion	Completed				11/01/24	AC1/AC1	SW7471B	
Extraction of NY ETPH	Completed				10/31/24	J/H/X/	SW3546	
Soil Extraction for Herbicide	Completed				11/07/24	Y/D/MQ	SW3546	
Soil Extraction for PCB	Completed				11/04/24	AC1/H/U	SW3546	
Soil Extraction for Pesticides	Completed				11/04/24	AC1/H/U	SW3546	
Soil Extraction for SVOA	Completed				11/04/24	RB/RB	SW3546	
Paint Filter Test	Passed		PASS/FAIL		10/31/24	O	SW9095B	
Total Metals Digest	Completed				10/31/24	J/AG	SW3050B	

Gasoline Range Hydrocarbons (C6-C10)

GRO (C6-C10)	ND	L 6.1	mg/Kg	50	11/02/24	V	SW8015D GRO

QA/QC Surrogates

% 2,5-Dibromotoluene (FID)	102		%	50	11/02/24	V	70 - 130 %

Chlorinated Herbicides

2,4,5-T	ND	140	ug/Kg	10	11/08/24	JRB	SW8151A
2,4,5-TP (Silvex)	ND	140	ug/Kg	10	11/08/24	JRB	SW8151A
2,4-D	ND	270	ug/Kg	10	11/08/24	JRB	SW8151A
2,4-DB	ND	2700	ug/Kg	10	11/08/24	JRB	SW8151A
Dalapon	ND	140	ug/Kg	10	11/08/24	JRB	SW8151A
Dicamba	ND	140	ug/Kg	10	11/08/24	JRB	SW8151A
Dichloroprop	ND	270	ug/Kg	10	11/08/24	JRB	SW8151A
Dinoseb	ND	270	ug/Kg	10	11/08/24	JRB	SW8151A

QA/QC Surrogates

% DCAA	80		%	10	11/08/24	JRB	30 - 150 %
% DCAA (Confirmation)	84		%	10	11/08/24	JRB	30 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	73	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1221	ND	73	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1232	ND	73	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1242	ND	73	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1248	ND	73	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1254	ND	73	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1260	ND	73	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1262	ND	73	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1268	ND	73	ug/Kg	2	11/05/24	SC	SW8082A

QA/QC Surrogates

% DCBP	67		%	2	11/05/24	SC	30 - 150 %
% DCBP (Confirmation)	59		%	2	11/05/24	SC	30 - 150 %
% TCMX	71		%	2	11/05/24	SC	30 - 150 %
% TCMX (Confirmation)	65		%	2	11/05/24	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Pesticides - Soil</u>							
4,4' -DDD	ND	2.2	ug/Kg	2	11/06/24	KCA	SW8081B
4,4' -DDE	ND	2.2	ug/Kg	2	11/06/24	KCA	SW8081B
4,4' -DDT	ND	2.2	ug/Kg	2	11/06/24	KCA	SW8081B
a-BHC	ND	7.3	ug/Kg	2	11/06/24	KCA	SW8081B
a-Chlordane	ND	3.7	ug/Kg	2	11/06/24	KCA	SW8081B
Aldrin	ND	3.7	ug/Kg	2	11/06/24	KCA	SW8081B
b-BHC	ND	7.3	ug/Kg	2	11/06/24	KCA	SW8081B
Chlordane	ND	37	ug/Kg	2	11/06/24	KCA	SW8081B
d-BHC	ND	7.3	ug/Kg	2	11/06/24	KCA	SW8081B
Dieldrin	ND	3.7	ug/Kg	2	11/06/24	KCA	SW8081B
Endosulfan I	ND	7.3	ug/Kg	2	11/06/24	KCA	SW8081B
Endosulfan II	ND	7.3	ug/Kg	2	11/06/24	KCA	SW8081B
Endosulfan sulfate	ND	7.3	ug/Kg	2	11/06/24	KCA	SW8081B
Endrin	ND	7.3	ug/Kg	2	11/06/24	KCA	SW8081B
Endrin aldehyde	ND	7.3	ug/Kg	2	11/06/24	KCA	SW8081B
Endrin ketone	ND	7.3	ug/Kg	2	11/06/24	KCA	SW8081B
g-BHC	ND	1.5	ug/Kg	2	11/06/24	KCA	SW8081B
g-Chlordane	ND	3.7	ug/Kg	2	11/06/24	KCA	SW8081B
Heptachlor	ND	7.3	ug/Kg	2	11/06/24	KCA	SW8081B
Heptachlor epoxide	ND	7.3	ug/Kg	2	11/06/24	KCA	SW8081B
Methoxychlor	ND	37	ug/Kg	2	11/06/24	KCA	SW8081B
Toxaphene	ND	150	ug/Kg	2	11/06/24	KCA	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	71		%	2	11/06/24	KCA	30 - 150 %
% DCBP (Confirmation)	62		%	2	11/06/24	KCA	30 - 150 %
% TCMX	63		%	2	11/06/24	KCA	30 - 150 %
% TCMX (Confirmation)	56		%	2	11/06/24	KCA	30 - 150 %
<u>TPH DRO (C10-C28)</u>							
Diesel Range Organics (C10-C28)	ND	55	mg/Kg	1	11/01/24	JRB	SW8015D DRO
<u>QA/QC Surrogates</u>							
% COD (surr)	87		%	1	11/01/24	JRB	50 - 150 %
% Terphenyl (surr)	95		%	1	11/01/24	JRB	50 - 150 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
1,2,4-Trichlorobenzene	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
1,2-Dichlorobenzene	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
1,2-Diphenylhydrazine	ND	370	ug/Kg	1	11/04/24	MR	SW8270E
1,3-Dichlorobenzene	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
1,4-Dichlorobenzene	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
2,4,6-Trichlorophenol	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
2,4-Dichlorophenol	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
2,4-Dimethylphenol	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
2,4-Dinitrophenol	ND	370	ug/Kg	1	11/04/24	MR	SW8270E
2,4-Dinitrotoluene	ND	260	ug/Kg	1	11/04/24	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2,6-Dinitrotoluene	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
2-Chloronaphthalene	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
2-Chlorophenol	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
2-Methylnaphthalene	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
2-Methylphenol (o-cresol)	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
2-Nitroaniline	ND	370	ug/Kg	1	11/04/24	MR	SW8270E
2-Nitrophenol	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	1	11/04/24	MR	SW8270E
3,3'-Dichlorobenzidine	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
3-Nitroaniline	ND	370	ug/Kg	1	11/04/24	MR	SW8270E
4,6-Dinitro-2-methylphenol	ND	370	ug/Kg	1	11/04/24	MR	SW8270E
4-Bromophenyl phenyl ether	ND	370	ug/Kg	1	11/04/24	MR	SW8270E
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
4-Chloroaniline	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
4-Nitroaniline	ND	590	ug/Kg	1	11/04/24	MR	SW8270E
4-Nitrophenol	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
Acenaphthene	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
Acenaphthylene	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
Acetophenone	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
Aniline	ND	370	ug/Kg	1	11/04/24	MR	SW8270E
Anthracene	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
Benz(a)anthracene	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
Benzidine	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
Benzo(a)pyrene	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
Benzo(b)fluoranthene	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
Benzo(ghi)perylene	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
Benzo(k)fluoranthene	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
Benzoic acid	ND	740	ug/Kg	1	11/04/24	MR	SW8270E
Benzyl butyl phthalate	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
Bis(2-chloroethyl)ether	ND	370	ug/Kg	1	11/04/24	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	370	ug/Kg	1	11/04/24	MR	SW8270E
Carbazole	ND	370	ug/Kg	1	11/04/24	MR	SW8270E
Chrysene	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
Dibenzofuran	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
Diethyl phthalate	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
Dimethylphthalate	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
Di-n-butylphthalate	ND	370	ug/Kg	1	11/04/24	MR	SW8270E
Di-n-octylphthalate	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
Fluoranthene	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
Fluorene	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
Hexachlorobenzene	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
Hexachlorobutadiene	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
Hexachloroethane	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
Isophorone	ND	260	ug/Kg	1	11/04/24	MR	SW8270E

Client ID: SB-16 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Naphthalene	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
Nitrobenzene	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
N-Nitrosodimethylamine	ND	370	ug/Kg	1	11/04/24	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
N-Nitrosodiphenylamine	ND	370	ug/Kg	1	11/04/24	MR	SW8270E
Pentachloronitrobenzene	ND	370	ug/Kg	1	11/04/24	MR	SW8270E
Pentachlorophenol	ND	370	ug/Kg	1	11/04/24	MR	SW8270E
Phenanthrene	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
Phenol	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
Pyrene	ND	260	ug/Kg	1	11/04/24	MR	SW8270E
Pyridine	ND	370	ug/Kg	1	11/04/24	MR	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	90		%	1	11/04/24	MR	30 - 130 %
% 2-Fluorobiphenyl	75		%	1	11/04/24	MR	30 - 130 %
% 2-Fluorophenol	74		%	1	11/04/24	MR	30 - 130 %
% Nitrobenzene-d5	75		%	1	11/04/24	MR	30 - 130 %
% Phenol-d5	76		%	1	11/04/24	MR	30 - 130 %
% Terphenyl-d14	81		%	1	11/04/24	MR	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 (preceded 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.

The TPH (C10-C28) is quantitated using an alkane 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:

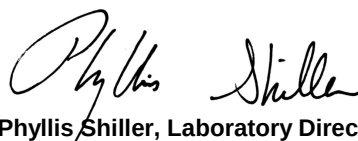
This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

Semi-Volatile Comment:

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

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

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



Phyllis Shiller, Laboratory Director

November 12, 2024

Reviewed and Released by: Rashmi Makol, Project Manager



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



Analysis Report

November 12, 2024

FOR: Attn: Jennifer Cherlin
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: SOIL
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

10/31/24
10/31/24

Time

12:00
18:15

Laboratory Data

SDG ID: GCR97583
Phoenix ID: CR97602

Project ID: INSPIRATION WHARF (PORT WASHINGTON)
Client ID: SB-15 GRAB (9.5-10`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Field Extraction	Completed				10/31/24		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,1-Trichloroethane	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,2-Trichloroethane	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloroethane	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloroethene	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloropropene	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,3-Trichloropropane	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dibromoethane	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichlorobenzene	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichloroethane	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichloropropane	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
1,3-Dichlorobenzene	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
1,3-Dichloropropane	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
1,4-Dichlorobenzene	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
2,2-Dichloropropane	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
2-Chlorotoluene	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
2-Hexanone	ND	23	ug/Kg	1	11/02/24	JLI	SW8260D
2-Isopropyltoluene	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
4-Methyl-2-pentanone	ND	23	ug/Kg	1	11/02/24	JLI	SW8260D
Acetone	40	S 23	ug/Kg	1	11/02/24	JLI	SW8260D
Acrylonitrile	ND	9.3	ug/Kg	1	11/02/24	JLI	SW8260D
Benzene	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
Bromobenzene	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
Bromochloromethane	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
Bromodichloromethane	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
Bromoform	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
Bromomethane	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
Carbon Disulfide	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
Carbon tetrachloride	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
Chlorobenzene	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
Chloroethane	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
Chloroform	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
Chloromethane	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
cis-1,2-Dichloroethene	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
cis-1,3-Dichloropropene	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
Dibromochloromethane	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
Dibromomethane	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
Dichlorodifluoromethane	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
Ethylbenzene	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
Hexachlorobutadiene	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
Isopropylbenzene	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
m&p-Xylene	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
Methyl Ethyl Ketone	ND	23	ug/Kg	1	11/02/24	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	9.3	ug/Kg	1	11/02/24	JLI	SW8260D
Methylene chloride	ND	9.3	ug/Kg	1	11/02/24	JLI	SW8260D
Naphthalene	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
n-Butylbenzene	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
n-Propylbenzene	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
o-Xylene	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
p-Isopropyltoluene	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
sec-Butylbenzene	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
Styrene	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
tert-Butylbenzene	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
Tetrachloroethene	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
Tetrahydrofuran (THF)	ND	9.3	ug/Kg	1	11/02/24	JLI	SW8260D
Toluene	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
Total Xylenes	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,2-Dichloroethene	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,3-Dichloropropene	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	9.3	ug/Kg	1	11/02/24	JLI	SW8260D
Trichloroethene	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
Trichlorofluoromethane	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
Trichlorotrifluoroethane	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
Vinyl chloride	ND	4.7	ug/Kg	1	11/02/24	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100		%	1	11/02/24	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	95		%	1	11/02/24	JLI	70 - 130 %
% Dibromofluoromethane	95		%	1	11/02/24	JLI	70 - 130 %
% Toluene-d8	107		%	1	11/02/24	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 (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

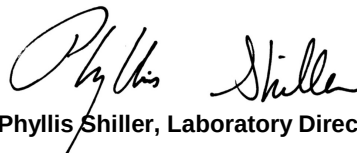
Comments:

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

November 12, 2024

Reviewed and Released by: Rashmi Makol, Project Manager



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



Analysis Report

November 12, 2024

FOR: Attn: Jennifer Cherlin
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: SOIL
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time
10/31/24 12:10
10/31/24 18:15

Laboratory Data

SDG ID: GCR97583
Phoenix ID: CR97603

Project ID: INSPIRATION WHARF (PORT WASHINGTON)
Client ID: SB-15 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.37	0.37	mg/Kg	1	11/01/24	CPP	SW6010D
Aluminum	7960	55	mg/Kg	10	11/01/24	CPP	SW6010D
Arsenic	6.65	0.73	mg/Kg	1	11/01/24	CPP	SW6010D
Barium	68.8	0.37	mg/Kg	1	11/05/24	TH	SW6010D
Beryllium	0.38	0.29	mg/Kg	1	11/05/24	TH	SW6010D
Calcium	4640	5.5	mg/Kg	1	11/01/24	CPP	SW6010D
Cadmium	0.58	0.37	mg/Kg	1	11/05/24	TH	SW6010D
Cobalt	7.32	0.37	mg/Kg	1	11/01/24	CPP	SW6010D
Chromium	15.0	0.37	mg/Kg	1	11/01/24	CPP	SW6010D
Copper	28.4	0.7	mg/kg	1	11/01/24	CPP	SW6010D
Iron	14000	55	mg/Kg	10	11/01/24	CPP	SW6010D
Mercury	< 0.03	0.03	mg/Kg	2	11/04/24	AL1	SW7471B
Potassium	1010	55	mg/Kg	10	11/01/24	CPP	SW6010D
Magnesium	2240	5.5	mg/Kg	1	11/01/24	CPP	SW6010D
Manganese	232	0.37	mg/Kg	1	11/05/24	TH	SW6010D
Sodium	250	5.5	mg/Kg	1	11/01/24	CPP	SW6010D
Nickel	14.8	0.37	mg/Kg	1	11/01/24	CPP	SW6010D
Lead	142	0.37	mg/Kg	1	11/01/24	CPP	SW6010D
Antimony	< 3.7	3.7	mg/Kg	1	11/01/24	CPP	SW6010D
Selenium	< 1.5	1.5	mg/Kg	1	11/01/24	CPP	SW6010D
Thallium	< 3.3	3.3	mg/Kg	1	11/01/24	CPP	SW6010D
Vanadium	24.2	0.37	mg/Kg	1	11/01/24	CPP	SW6010D
Zinc	310	0.7	mg/Kg	1	11/01/24	CPP	SW6010D
Percent Solid	84		%		10/31/24	CV	SW846-%Solid
Corrosivity	Negative		Pos/Neg	1	10/31/24	AF	SW846-Corr
Flash Point	>200	200	Degree F	1	11/05/24	G	SW1010B
Chromium, Hex. (SW3060A digestion)	< 0.43	0.43	mg/Kg	1	11/01/24	NP	SW7196A
Ignitability	Passed	140	degree F	1	11/05/24	G	SW846-Ignit

Client ID: SB-15 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
pH at 25C - Soil	7.79	1.00	pH Units	1	10/31/24 23:03	AF	SW846 9045D	1
Reactivity Cyanide	< 6	6	mg/Kg	1	11/05/24	NP/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20	mg/Kg	1	11/06/24	NP/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	11/06/24	NP/GD	SW846-React	1
Redox Potential	-95.5		mV	1	10/31/24	AF	SM2580B-09	1
Mercury Digestion	Completed				11/01/24	AC1/AC1	SW7471B	
Extraction of NY ETPH	Completed				10/31/24	J/H/X/	SW3546	
Soil Extraction for Herbicide	Completed				11/07/24	Y/D/MQ	SW3546	
Soil Extraction for PCB	Completed				11/04/24	AC1/H/U	SW3546	
Soil Extraction for Pesticides	Completed				11/04/24	AC1/H/U	SW3546	
Soil Extraction for SVOA	Completed				11/04/24	RB/RB	SW3546	
Paint Filter Test	Passed		PASS/FAIL		10/31/24	O	SW9095B	
Total Metals Digest	Completed				10/31/24	J/AG	SW3050B	

Gasoline Range Hydrocarbons (C6-C10)

GRO (C6-C10)	ND	L 6.9	mg/Kg	50	11/02/24	V	SW8015D GRO

QA/QC Surrogates

% 2,5-Dibromotoluene (FID)	102		%	50	11/02/24	V	70 - 130 %

Chlorinated Herbicides

2,4,5-T	ND	150	ug/Kg	10	11/08/24	JRB	SW8151A
2,4,5-TP (Silvex)	ND	150	ug/Kg	10	11/08/24	JRB	SW8151A
2,4-D	ND	290	ug/Kg	10	11/08/24	JRB	SW8151A
2,4-DB	ND	2900	ug/Kg	10	11/08/24	JRB	SW8151A
Dalapon	ND	150	ug/Kg	10	11/08/24	JRB	SW8151A
Dicamba	ND	150	ug/Kg	10	11/08/24	JRB	SW8151A
Dichloroprop	ND	290	ug/Kg	10	11/08/24	JRB	SW8151A
Dinoseb	ND	290	ug/Kg	10	11/08/24	JRB	SW8151A

QA/QC Surrogates

% DCAA	86		%	10	11/08/24	JRB	30 - 150 %
% DCAA (Confirmation)	91		%	10	11/08/24	JRB	30 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	78	ug/Kg	2	11/06/24	SC	SW8082A
PCB-1221	ND	78	ug/Kg	2	11/06/24	SC	SW8082A
PCB-1232	ND	78	ug/Kg	2	11/06/24	SC	SW8082A
PCB-1242	ND	78	ug/Kg	2	11/06/24	SC	SW8082A
PCB-1248	ND	78	ug/Kg	2	11/06/24	SC	SW8082A
PCB-1254	ND	78	ug/Kg	2	11/06/24	SC	SW8082A
PCB-1260	ND	78	ug/Kg	2	11/06/24	SC	SW8082A
PCB-1262	ND	78	ug/Kg	2	11/06/24	SC	SW8082A
PCB-1268	ND	78	ug/Kg	2	11/06/24	SC	SW8082A

QA/QC Surrogates

% DCBP	32		%	2	11/06/24	SC	30 - 150 %
% DCBP (Confirmation)	33		%	2	11/06/24	SC	30 - 150 %
% TCMX	35		%	2	11/06/24	SC	30 - 150 %
% TCMX (Confirmation)	34		%	2	11/06/24	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Pesticides - Soil</u>							
4,4' -DDD	ND	2.3	ug/Kg	2	11/06/24	KCA	SW8081B
4,4' -DDE	ND	2.3	ug/Kg	2	11/06/24	KCA	SW8081B
4,4' -DDT	ND	2.3	ug/Kg	2	11/06/24	KCA	SW8081B
a-BHC	ND	7.8	ug/Kg	2	11/06/24	KCA	SW8081B
a-Chlordane	ND	3.9	ug/Kg	2	11/06/24	KCA	SW8081B
Aldrin	ND	3.9	ug/Kg	2	11/06/24	KCA	SW8081B
b-BHC	ND	7.8	ug/Kg	2	11/06/24	KCA	SW8081B
Chlordane	ND	39	ug/Kg	2	11/06/24	KCA	SW8081B
d-BHC	ND	7.8	ug/Kg	2	11/06/24	KCA	SW8081B
Dieldrin	ND	3.9	ug/Kg	2	11/06/24	KCA	SW8081B
Endosulfan I	ND	7.8	ug/Kg	2	11/06/24	KCA	SW8081B
Endosulfan II	ND	7.8	ug/Kg	2	11/06/24	KCA	SW8081B
Endosulfan sulfate	ND	7.8	ug/Kg	2	11/06/24	KCA	SW8081B
Endrin	ND	7.8	ug/Kg	2	11/06/24	KCA	SW8081B
Endrin aldehyde	ND	7.8	ug/Kg	2	11/06/24	KCA	SW8081B
Endrin ketone	ND	7.8	ug/Kg	2	11/06/24	KCA	SW8081B
g-BHC	ND	1.6	ug/Kg	2	11/06/24	KCA	SW8081B
g-Chlordane	ND	3.9	ug/Kg	2	11/06/24	KCA	SW8081B
Heptachlor	ND	7.8	ug/Kg	2	11/06/24	KCA	SW8081B
Heptachlor epoxide	ND	7.8	ug/Kg	2	11/06/24	KCA	SW8081B
Methoxychlor	ND	39	ug/Kg	2	11/06/24	KCA	SW8081B
Toxaphene	ND	160	ug/Kg	2	11/06/24	KCA	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	41		%	2	11/06/24	KCA	30 - 150 %
% DCBP (Confirmation)	33		%	2	11/06/24	KCA	30 - 150 %
% TCMX	30		%	2	11/06/24	KCA	30 - 150 %
% TCMX (Confirmation)	31		%	2	11/06/24	KCA	30 - 150 %
<u>TPH DRO (C10-C28)</u>							
Diesel Range Organics (C10-C28)	ND	290	mg/Kg	5	11/02/24	JRB	SW8015D DRO
<u>QA/QC Surrogates</u>							
% COD (surr)	72		%	5	11/02/24	JRB	50 - 150 %
% Terphenyl (surr)	107		%	5	11/02/24	JRB	50 - 150 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
1,2,4-Trichlorobenzene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
1,2-Dichlorobenzene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
1,2-Diphenylhydrazine	ND	400	ug/Kg	1	11/04/24	MR	SW8270E
1,3-Dichlorobenzene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
1,4-Dichlorobenzene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
2,4,5-Trichlorophenol	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
2,4,6-Trichlorophenol	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
2,4-Dichlorophenol	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
2,4-Dimethylphenol	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
2,4-Dinitrophenol	ND	400	ug/Kg	1	11/04/24	MR	SW8270E
2,4-Dinitrotoluene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2,6-Dinitrotoluene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
2-Chloronaphthalene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
2-Chlorophenol	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
2-Methylnaphthalene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
2-Methylphenol (o-cresol)	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
2-Nitroaniline	ND	400	ug/Kg	1	11/04/24	MR	SW8270E
2-Nitrophenol	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	1	11/04/24	MR	SW8270E
3,3'-Dichlorobenzidine	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
3-Nitroaniline	ND	400	ug/Kg	1	11/04/24	MR	SW8270E
4,6-Dinitro-2-methylphenol	ND	400	ug/Kg	1	11/04/24	MR	SW8270E
4-Bromophenyl phenyl ether	ND	400	ug/Kg	1	11/04/24	MR	SW8270E
4-Chloro-3-methylphenol	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
4-Chloroaniline	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
4-Nitroaniline	ND	630	ug/Kg	1	11/04/24	MR	SW8270E
4-Nitrophenol	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Acenaphthene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Acenaphthylene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Acetophenone	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Aniline	ND	400	ug/Kg	1	11/04/24	MR	SW8270E
Anthracene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Benz(a)anthracene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Benzidine	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Benzo(a)pyrene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Benzo(b)fluoranthene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Benzo(ghi)perylene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Benzo(k)fluoranthene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Benzoic acid	ND	790	ug/Kg	1	11/04/24	MR	SW8270E
Benzyl butyl phthalate	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Bis(2-chloroethyl)ether	ND	400	ug/Kg	1	11/04/24	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	400	ug/Kg	1	11/04/24	MR	SW8270E
Carbazole	ND	400	ug/Kg	1	11/04/24	MR	SW8270E
Chrysene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Dibenz(a,h)anthracene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Dibenzofuran	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Diethyl phthalate	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Dimethylphthalate	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Di-n-butylphthalate	ND	400	ug/Kg	1	11/04/24	MR	SW8270E
Di-n-octylphthalate	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Fluoranthene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Fluorene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Hexachlorobenzene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Hexachlorobutadiene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Hexachlorocyclopentadiene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Hexachloroethane	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Indeno(1,2,3-cd)pyrene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Isophorone	ND	280	ug/Kg	1	11/04/24	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Naphthalene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Nitrobenzene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
N-Nitrosodimethylamine	ND	400	ug/Kg	1	11/04/24	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
N-Nitrosodiphenylamine	ND	400	ug/Kg	1	11/04/24	MR	SW8270E
Pentachloronitrobenzene	ND	400	ug/Kg	1	11/04/24	MR	SW8270E
Pentachlorophenol	ND	400	ug/Kg	1	11/04/24	MR	SW8270E
Phenanthrene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Phenol	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Pyrene	ND	280	ug/Kg	1	11/04/24	MR	SW8270E
Pyridine	ND	400	ug/Kg	1	11/04/24	MR	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	95		%	1	11/04/24	MR	30 - 130 %
% 2-Fluorobiphenyl	79		%	1	11/04/24	MR	30 - 130 %
% 2-Fluorophenol	73		%	1	11/04/24	MR	30 - 130 %
% Nitrobenzene-d5	74		%	1	11/04/24	MR	30 - 130 %
% Phenol-d5	76		%	1	11/04/24	MR	30 - 130 %
% Terphenyl-d14	87		%	1	11/04/24	MR	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 (preceded 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.

The TPH (C10-C28) is quantitated using an alkane 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:

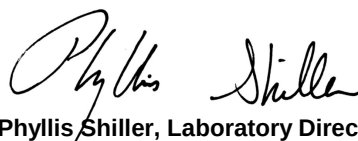
This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

Semi-Volatile Comment:

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

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

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



Phyllis Shiller, Laboratory Director

November 12, 2024

Reviewed and Released by: Rashmi Makol, Project Manager



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



Analysis Report

November 12, 2024

FOR: Attn: Jennifer Cherlin
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: SOIL
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

10/31/24
10/31/24

Time

12:20
18:15

Laboratory Data

SDG ID: GCR97583
Phoenix ID: CR97604

Project ID: INSPIRATION WHARF (PORT WASHINGTON)
Client ID: SB-14 GRAB (9.5-10`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Field Extraction	Completed				10/31/24		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,1-Trichloroethane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	280	ug/Kg	50	11/04/24	JLI	SW8260D
1,1,2-Trichloroethane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloroethane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloroethene	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
1,1-Dichloropropene	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	280	ug/Kg	50	11/04/24	JLI	SW8260D
1,2,3-Trichloropropane	ND	280	ug/Kg	50	11/04/24	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	280	ug/Kg	50	11/04/24	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	280	ug/Kg	50	11/04/24	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	280	ug/Kg	50	11/04/24	JLI	SW8260D
1,2-Dibromoethane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichlorobenzene	ND	280	ug/Kg	50	11/04/24	JLI	SW8260D
1,2-Dichloroethane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
1,2-Dichloropropane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	280	ug/Kg	50	11/04/24	JLI	SW8260D
1,3-Dichlorobenzene	ND	280	ug/Kg	50	11/04/24	JLI	SW8260D
1,3-Dichloropropane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
1,4-Dichlorobenzene	ND	280	ug/Kg	50	11/04/24	JLI	SW8260D
2,2-Dichloropropane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
2-Chlorotoluene	ND	280	ug/Kg	50	11/04/24	JLI	SW8260D
2-Hexanone	ND	29	ug/Kg	1	11/02/24	JLI	SW8260D
2-Isopropyltoluene	ND	280	ug/Kg	50	11/04/24	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	280	ug/Kg	50	11/04/24	JLI	SW8260D
4-Methyl-2-pentanone	ND	29	ug/Kg	1	11/02/24	JLI	SW8260D
Acetone	ND	29	ug/Kg	1	11/02/24	JLI	SW8260D
Acrylonitrile	ND	12	ug/Kg	1	11/02/24	JLI	SW8260D
Benzene	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Bromobenzene	ND	280	ug/Kg	50	11/04/24	JLI	SW8260D
Bromochloromethane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Bromodichloromethane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Bromoform	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Bromomethane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Carbon Disulfide	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Carbon tetrachloride	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Chlorobenzene	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Chloroethane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Chloroform	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Chloromethane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
cis-1,2-Dichloroethene	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
cis-1,3-Dichloropropene	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Dibromochloromethane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Dibromomethane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Dichlorodifluoromethane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Ethylbenzene	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Hexachlorobutadiene	ND	280	ug/Kg	50	11/04/24	JLI	SW8260D
Isopropylbenzene	ND	280	ug/Kg	50	11/04/24	JLI	SW8260D
m&p-Xylene	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Methyl Ethyl Ketone	ND	29	ug/Kg	1	11/02/24	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	1	11/02/24	JLI	SW8260D
Methylene chloride	ND	12	ug/Kg	1	11/02/24	JLI	SW8260D
Naphthalene	ND	280	ug/Kg	50	11/04/24	JLI	SW8260D
n-Butylbenzene	ND	280	ug/Kg	50	11/04/24	JLI	SW8260D
n-Propylbenzene	ND	280	ug/Kg	50	11/04/24	JLI	SW8260D
o-Xylene	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
p-Isopropyltoluene	ND	280	ug/Kg	50	11/04/24	JLI	SW8260D
sec-Butylbenzene	ND	280	ug/Kg	50	11/04/24	JLI	SW8260D
Styrene	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
tert-Butylbenzene	ND	280	ug/Kg	50	11/04/24	JLI	SW8260D
Tetrachloroethene	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Tetrahydrofuran (THF)	ND	12	ug/Kg	1	11/02/24	JLI	SW8260D
Toluene	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Total Xylenes	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,2-Dichloroethene	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,3-Dichloropropene	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	560	ug/Kg	50	11/04/24	JLI	SW8260D
Trichloroethene	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Trichlorofluoromethane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Trichlorotrifluoroethane	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
Vinyl chloride	ND	5.8	ug/Kg	1	11/02/24	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	96		%	1	11/02/24	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	86		%	1	11/02/24	JLI	70 - 130 %
% Dibromofluoromethane	92		%	1	11/02/24	JLI	70 - 130 %
% Toluene-d8	104		%	1	11/02/24	JLI	70 - 130 %
% 1,2-dichlorobenzene-d4 (50x)	95		%	50	11/04/24	JLI	70 - 130 %
% Bromofluorobenzene (50x)	95		%	50	11/04/24	JLI	70 - 130 %
% Dibromofluoromethane (50x)	94		%	50	11/04/24	JLI	70 - 130 %
% Toluene-d8 (50x)	91		%	50	11/04/24	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 (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

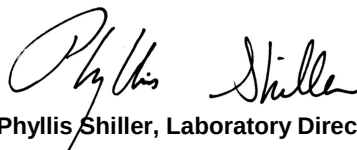
Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:

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

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

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



Phyllis Shiller, Laboratory Director

November 12, 2024

Reviewed and Released by: Rashmi Makol, Project Manager



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



Analysis Report

November 12, 2024

FOR: Attn: Jennifer Cherlin
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: SOIL
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time
10/31/24 12:25
10/31/24 18:15

Laboratory Data

SDG ID: GCR97583
Phoenix ID: CR97605

Project ID: INSPIRATION WHARF (PORT WASHINGTON)
Client ID: SB-14 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	1	11/01/24	CPP	SW6010D
Aluminum	5790	5.4	mg/Kg	1	11/01/24	CPP	SW6010D
Arsenic	7.17	0.72	mg/Kg	1	11/01/24	CPP	SW6010D
Barium	35.8	0.36	mg/Kg	1	11/05/24	TH	SW6010D
Beryllium	0.30	0.29	mg/Kg	1	11/05/24	TH	SW6010D
Calcium	1760	5.4	mg/Kg	1	11/01/24	CPP	SW6010D
Cadmium	< 0.36	0.36	mg/Kg	1	11/05/24	TH	SW6010D
Cobalt	5.96	0.36	mg/Kg	1	11/01/24	CPP	SW6010D
Chromium	11.2	0.36	mg/Kg	1	11/01/24	CPP	SW6010D
Copper	25.6	0.7	mg/kg	1	11/01/24	CPP	SW6010D
Iron	10000	54	mg/Kg	10	11/01/24	CPP	SW6010D
Mercury	0.21	0.03	mg/Kg	2	11/04/24	AL1	SW7471B
Potassium	640	54	mg/Kg	10	11/01/24	CPP	SW6010D
Magnesium	1220	5.4	mg/Kg	1	11/01/24	CPP	SW6010D
Manganese	153	0.36	mg/Kg	1	11/05/24	TH	SW6010D
Sodium	273	5.4	mg/Kg	1	11/01/24	CPP	SW6010D
Nickel	13.4	0.36	mg/Kg	1	11/01/24	CPP	SW6010D
Lead	50.7	0.36	mg/Kg	1	11/01/24	CPP	SW6010D
Antimony	< 3.6	3.6	mg/Kg	1	11/01/24	CPP	SW6010D
Selenium	< 1.4	1.4	mg/Kg	1	11/01/24	CPP	SW6010D
Thallium	< 3.3	3.3	mg/Kg	1	11/01/24	CPP	SW6010D
Vanadium	26.7	0.36	mg/Kg	1	11/01/24	CPP	SW6010D
Zinc	206	0.7	mg/Kg	1	11/01/24	CPP	SW6010D
Percent Solid	92		%		10/31/24	CV	SW846-%Solid
Corrosivity	Negative		Pos/Neg	1	10/31/24	AF	SW846-Corr
Flash Point	>200	200	Degree F	1	11/05/24	G	SW1010B
Chromium, Hex. (SW3060A digestion)	< 0.42	0.42	mg/Kg	1	11/01/24	NP	SW7196A
Ignitability	Passed	140	degree F	1	11/05/24	G	SW846-Ignit

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
pH at 25C - Soil	8.71	1.00	pH Units	1	10/31/24 23:03	AF	SW846 9045D	1
Reactivity Cyanide	< 5	5	mg/Kg	1	11/05/24	NP/GD	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20	mg/Kg	1	11/06/24	NP/GD	SW846 CH7	1
Reactivity	Negative		Pos/Neg	1	11/06/24	NP/GD	SW846-React	1
Redox Potential	217		mV	1	10/31/24	AF	SM2580B-09	1
Mercury Digestion	Completed				11/01/24	AC1/AC1	SW7471B	
Extraction of NY ETPH	Completed				10/31/24	J/H/X/	SW3546	
Soil Extraction for Herbicide	Completed				11/07/24	Y/D/MQ	SW3546	
Soil Extraction for PCB	Completed				11/04/24	AC1/H/U	SW3546	
Soil Extraction for Pesticides	Completed				11/04/24	AC1/H/U	SW3546	
Soil Extraction for SVOA	Completed				11/04/24	RB/RB	SW3546	
Paint Filter Test	Passed		PASS/FAIL		10/31/24	O	SW9095B	
Total Metals Digest	Completed				10/31/24	J/AG	SW3050B	

Gasoline Range Hydrocarbons (C6-C10)

GRO (C6-C10)	ND	L 5.9	mg/Kg	50	11/02/24	V	SW8015D GRO

QA/QC Surrogates

% 2,5-Dibromotoluene (FID)	100		%	50	11/02/24	V	70 - 130 %

Chlorinated Herbicides

2,4,5-T	ND	140	ug/Kg	10	11/08/24	JRB	SW8151A
2,4,5-TP (Silvex)	ND	140	ug/Kg	10	11/08/24	JRB	SW8151A
2,4-D	ND	270	ug/Kg	10	11/08/24	JRB	SW8151A
2,4-DB	ND	2700	ug/Kg	10	11/08/24	JRB	SW8151A
Dalapon	ND	140	ug/Kg	10	11/08/24	JRB	SW8151A
Dicamba	ND	140	ug/Kg	10	11/08/24	JRB	SW8151A
Dichloroprop	ND	270	ug/Kg	10	11/08/24	JRB	SW8151A
Dinoseb	ND	270	ug/Kg	10	11/08/24	JRB	SW8151A

QA/QC Surrogates

% DCAA	85		%	10	11/08/24	JRB	30 - 150 %
% DCAA (Confirmation)	95		%	10	11/08/24	JRB	30 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	71	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1221	ND	71	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1232	ND	71	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1242	ND	71	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1248	ND	71	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1254	ND	71	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1260	ND	71	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1262	ND	71	ug/Kg	2	11/05/24	SC	SW8082A
PCB-1268	ND	71	ug/Kg	2	11/05/24	SC	SW8082A

QA/QC Surrogates

% DCBP	37		%	2	11/05/24	SC	30 - 150 %
% DCBP (Confirmation)	32		%	2	11/05/24	SC	30 - 150 %
% TCMX	40		%	2	11/05/24	SC	30 - 150 %
% TCMX (Confirmation)	39		%	2	11/05/24	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Pesticides - Soil</u>							
4,4' -DDD	ND	2.1	ug/Kg	2	11/06/24	KCA	SW8081B
4,4' -DDE	ND	2.1	ug/Kg	2	11/06/24	KCA	SW8081B
4,4' -DDT	ND	2.1	ug/Kg	2	11/06/24	KCA	SW8081B
a-BHC	ND	7.1	ug/Kg	2	11/06/24	KCA	SW8081B
a-Chlordane	ND	3.6	ug/Kg	2	11/06/24	KCA	SW8081B
Aldrin	ND	3.6	ug/Kg	2	11/06/24	KCA	SW8081B
b-BHC	ND	7.1	ug/Kg	2	11/06/24	KCA	SW8081B
Chlordane	ND	36	ug/Kg	2	11/06/24	KCA	SW8081B
d-BHC	ND	7.1	ug/Kg	2	11/06/24	KCA	SW8081B
Dieldrin	ND	3.6	ug/Kg	2	11/06/24	KCA	SW8081B
Endosulfan I	ND	7.1	ug/Kg	2	11/06/24	KCA	SW8081B
Endosulfan II	ND	7.1	ug/Kg	2	11/06/24	KCA	SW8081B
Endosulfan sulfate	ND	7.1	ug/Kg	2	11/06/24	KCA	SW8081B
Endrin	ND	7.1	ug/Kg	2	11/06/24	KCA	SW8081B
Endrin aldehyde	ND	7.1	ug/Kg	2	11/06/24	KCA	SW8081B
Endrin ketone	ND	7.1	ug/Kg	2	11/06/24	KCA	SW8081B
g-BHC	ND	1.4	ug/Kg	2	11/06/24	KCA	SW8081B
g-Chlordane	ND	3.6	ug/Kg	2	11/06/24	KCA	SW8081B
Heptachlor	ND	7.1	ug/Kg	2	11/06/24	KCA	SW8081B
Heptachlor epoxide	ND	7.1	ug/Kg	2	11/06/24	KCA	SW8081B
Methoxychlor	ND	36	ug/Kg	2	11/06/24	KCA	SW8081B
Toxaphene	ND	140	ug/Kg	2	11/06/24	KCA	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	38		%	2	11/06/24	KCA	30 - 150 %
% DCBP (Confirmation)	32		%	2	11/06/24	KCA	30 - 150 %
% TCMX	33		%	2	11/06/24	KCA	30 - 150 %
% TCMX (Confirmation)	35		%	2	11/06/24	KCA	30 - 150 %
<u>TPH DRO (C10-C28)</u>							
Diesel Range Organics (C10-C28)	ND	270	mg/Kg	5	11/02/24	JRB	SW8015D DRO
<u>QA/QC Surrogates</u>							
% COD (surr)	36		%	5	11/02/24	JRB	50 - 150 %
% Terphenyl (surr)	98		%	5	11/02/24	JRB	50 - 150 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
1,2,4-Trichlorobenzene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
1,2-Dichlorobenzene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
1,2-Diphenylhydrazine	ND	360	ug/Kg	1	11/04/24	MR	SW8270E
1,3-Dichlorobenzene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
1,4-Dichlorobenzene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
2,4,5-Trichlorophenol	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
2,4,6-Trichlorophenol	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
2,4-Dichlorophenol	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
2,4-Dimethylphenol	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
2,4-Dinitrophenol	ND	360	ug/Kg	1	11/04/24	MR	SW8270E
2,4-Dinitrotoluene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2,6-Dinitrotoluene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
2-Chloronaphthalene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
2-Chlorophenol	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
2-Methylnaphthalene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
2-Methylphenol (o-cresol)	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
2-Nitroaniline	ND	360	ug/Kg	1	11/04/24	MR	SW8270E
2-Nitrophenol	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	1	11/04/24	MR	SW8270E
3,3'-Dichlorobenzidine	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
3-Nitroaniline	ND	360	ug/Kg	1	11/04/24	MR	SW8270E
4,6-Dinitro-2-methylphenol	ND	360	ug/Kg	1	11/04/24	MR	SW8270E
4-Bromophenyl phenyl ether	ND	360	ug/Kg	1	11/04/24	MR	SW8270E
4-Chloro-3-methylphenol	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
4-Chloroaniline	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
4-Nitroaniline	ND	580	ug/Kg	1	11/04/24	MR	SW8270E
4-Nitrophenol	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Acenaphthene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Acenaphthylene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Acetophenone	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Aniline	ND	360	ug/Kg	1	11/04/24	MR	SW8270E
Anthracene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Benz(a)anthracene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Benzidine	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Benzo(a)pyrene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Benzo(b)fluoranthene	260	250	ug/Kg	1	11/04/24	MR	SW8270E
Benzo(ghi)perylene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Benzo(k)fluoranthene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Benzoic acid	ND	720	ug/Kg	1	11/04/24	MR	SW8270E
Benzyl butyl phthalate	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Bis(2-chloroethyl)ether	ND	360	ug/Kg	1	11/04/24	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	360	ug/Kg	1	11/04/24	MR	SW8270E
Carbazole	ND	360	ug/Kg	1	11/04/24	MR	SW8270E
Chrysene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Dibenz(a,h)anthracene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Dibenzofuran	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Diethyl phthalate	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Dimethylphthalate	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Di-n-butylphthalate	ND	360	ug/Kg	1	11/04/24	MR	SW8270E
Di-n-octylphthalate	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Fluoranthene	260	250	ug/Kg	1	11/04/24	MR	SW8270E
Fluorene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Hexachlorobenzene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Hexachlorobutadiene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Hexachlorocyclopentadiene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Hexachloroethane	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Isophorone	ND	250	ug/Kg	1	11/04/24	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Naphthalene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Nitrobenzene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
N-Nitrosodimethylamine	ND	360	ug/Kg	1	11/04/24	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
N-Nitrosodiphenylamine	ND	360	ug/Kg	1	11/04/24	MR	SW8270E
Pentachloronitrobenzene	ND	360	ug/Kg	1	11/04/24	MR	SW8270E
Pentachlorophenol	ND	360	ug/Kg	1	11/04/24	MR	SW8270E
Phenanthrene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Phenol	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Pyrene	ND	250	ug/Kg	1	11/04/24	MR	SW8270E
Pyridine	ND	360	ug/Kg	1	11/04/24	MR	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	93		%	1	11/04/24	MR	30 - 130 %
% 2-Fluorobiphenyl	81		%	1	11/04/24	MR	30 - 130 %
% 2-Fluorophenol	78		%	1	11/04/24	MR	30 - 130 %
% Nitrobenzene-d5	79		%	1	11/04/24	MR	30 - 130 %
% Phenol-d5	82		%	1	11/04/24	MR	30 - 130 %
% Terphenyl-d14	90		%	1	11/04/24	MR	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.

3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL

BRL=Below Reporting Level L=Biased Low

QA/QC Surrogates: Surrogates are compounds (preceded 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.

The TPH (C10-C28) is quantitated using an alkane 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:

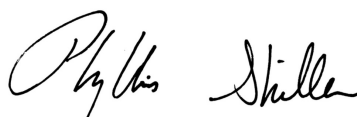
This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

Semi-Volatile Comment:

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

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

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



Phyllis Shiller, Laboratory Director

November 12, 2024

Reviewed and Released by: Rashmi Makol, Project Manager



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



Analysis Report

November 12, 2024

FOR: Attn: Jennifer Cherlin
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: SOIL
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

10/31/24
10/31/24

Time

12:00
18:15

Laboratory Data

SDG ID: GCR97583
Phoenix ID: CR97785

Project ID: INSPIRATION WHARF (PORT WASHINGTON)
Client ID: TB103124 HL

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Field Extraction	Completed				10/31/24		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
1,1,1-Trichloroethane	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
1,1,2-Trichloroethane	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
1,1-Dichloroethane	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
1,1-Dichloroethene	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
1,1-Dichloropropene	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
1,2,3-Trichloropropane	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
1,2-Dibromoethane	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
1,2-Dichlorobenzene	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
1,2-Dichloroethane	ND	25	ug/Kg	50	11/02/24	JLI	SW8260D
1,2-Dichloropropane	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
1,3-Dichlorobenzene	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
1,3-Dichloropropane	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
1,4-Dichlorobenzene	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
2,2-Dichloropropane	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
2-Chlorotoluene	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
2-Hexanone	ND	1300	ug/Kg	50	11/02/24	JLI	SW8260D
2-Isopropyltoluene	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D

Client ID: TB103124 HL

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
4-Methyl-2-pentanone	ND	1300	ug/Kg	50	11/02/24	JLI	SW8260D
Acetone	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
Acrylonitrile	ND	500	ug/Kg	50	11/02/24	JLI	SW8260D
Benzene	ND	60	ug/Kg	50	11/02/24	JLI	SW8260D
Bromobenzene	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
Bromochloromethane	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
Bromodichloromethane	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
Bromoform	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
Bromomethane	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
Carbon Disulfide	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
Carbon tetrachloride	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
Chlorobenzene	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
Chloroethane	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
Chloroform	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
Chloromethane	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
cis-1,2-Dichloroethene	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
cis-1,3-Dichloropropene	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
Dibromochloromethane	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
Dibromomethane	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
Dichlorodifluoromethane	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
Ethylbenzene	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
Hexachlorobutadiene	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
Isopropylbenzene	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
m&p-Xylene	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
Methyl Ethyl Ketone	ND	120	ug/Kg	50	11/02/24	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
Methylene chloride	ND	100	ug/Kg	50	11/02/24	JLI	SW8260D
Naphthalene	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
n-Butylbenzene	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
n-Propylbenzene	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
o-Xylene	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
p-Isopropyltoluene	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
sec-Butylbenzene	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
Styrene	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
tert-Butylbenzene	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
Tetrachloroethene	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
Tetrahydrofuran (THF)	ND	500	ug/Kg	50	11/02/24	JLI	SW8260D
Toluene	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
Total Xylenes	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
trans-1,2-Dichloroethene	ND	190	ug/Kg	50	11/02/24	JLI	SW8260D
trans-1,3-Dichloropropene	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	500	ug/Kg	50	11/02/24	JLI	SW8260D
Trichloroethene	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
Trichlorofluoromethane	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
Trichlorotrifluoroethane	ND	250	ug/Kg	50	11/02/24	JLI	SW8260D
Vinyl chloride	ND	25	ug/Kg	50	11/02/24	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4 (50x)	98		%	50	11/02/24	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene (50x)	96		%	50	11/02/24	JLI	70 - 130 %
% Dibromofluoromethane (50x)	85		%	50	11/02/24	JLI	70 - 130 %
% Toluene-d8 (50x)	99		%	50	11/02/24	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 (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

TRIP BLANK INCLUDED.

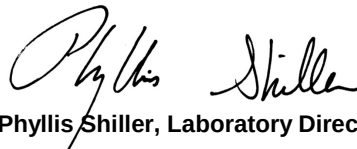
Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

November 12, 2024

Reviewed and Released by: Rashmi Makol, Project Manager



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



QA/QC Report

November 12, 2024

QA/QC Data

SDG I.D.: GCR97583

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 756317 (mg/kg), QC Sample No: CR97499 40X (CR97585, CR97587, CR97589, CR97591, CR97595, CR97597, CR97599, CR97601, CR97603, CR97605)

Chromium, Hexavalent - Soil

Chromium, Hexavalent	BRL	0.40	<0.42	<0.41	NC	94.7						80 - 120	30
Chromium, Hexavalent (Ins)						101			93.3			80 - 120	30
Chromium, Hexavalent (Sol)						94.6			81.5			80 - 120	30

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.

Additional Hexavalent Chromium criteria: MS acceptance range is 75-125%.

QA/QC Batch 756327 (mg/L), QC Sample No: CR97042 (CR97592, CR97593)

Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	109			88.9	83.2	6.6	80 - 120	20

Comment:

Additional Mercury Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range is 75-125% for aqueous and 80-120% for soils.

QA/QC Batch 756324 (mg/L), QC Sample No: CR97044 (CR97592, CR97593)

Mercury (Dissolved)	BRL	0.0002	<0.0002	<0.0002	NC	92.7			94.7			80 - 120	20

Comment:

Additional Mercury Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range is 75-125% for aqueous and 80-120% for soils.

QA/QC Batch 756337 (mg/kg), QC Sample No: CR97101 2X (CR97585, CR97587, CR97589, CR97591, CR97595, CR97597, CR97599, CR97601, CR97603, CR97605)

Mercury - Soil	BRL	0.02	<0.03	<0.03	NC	95.9	93.8	2.2	87.4	93.0	6.2	70 - 130	30

Comment:

Additional Mercury Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range is 75-125% for aqueous and 80-120% for soils.

QA/QC Batch 756235 (mg/L), QC Sample No: CR96679 (CR97592, CR97593)

ICP Metals - Dissolved

Aluminum	BRL	0.011	<0.011	<0.011	NC	90.8	90.1	0.8	91.6			80 - 120	20
Antimony	BRL	0.005	<0.005	<0.005	NC	85.6	87.0	1.6	85.5			80 - 120	20
Arsenic	BRL	0.004	<0.004	<0.004	NC	89.1	90.1	1.1	88.7			80 - 120	20
Barium	BRL	0.002	0.013	0.013	0	93.2	92.5	0.8	91.1			80 - 120	20
Beryllium	BRL	0.001	<0.001	<0.001	NC	90.9	91.3	0.4	90.0			80 - 120	20
Cadmium	BRL	0.001	<0.001	<0.001	NC	90.6	90.7	0.1	88.3			80 - 120	20
Calcium	BRL	0.01	11.1	10.9	1.80	90.7	90.2	0.6	NC			80 - 120	20
Chromium	BRL	0.001	<0.001	<0.001	NC	90.1	90.1	0.0	88.3			80 - 120	20
Cobalt	BRL	0.001	<0.001	<0.001	NC	90.6	90.8	0.2	88.9			80 - 120	20
Copper	BRL	0.005	<0.005	<0.005	NC	90.8	90.6	0.2	90.1			80 - 120	20
Iron	BRL	0.011	4.69	4.62	1.50	90.6	90.5	0.1	82.2			80 - 120	20
Lead	BRL	0.002	<0.002	<0.002	NC	89.7	90.9	1.3	87.9			80 - 120	20
Magnesium	BRL	0.01	1.72	1.70	1.20	91.5	91.3	0.2	85.6			80 - 120	20
Manganese	BRL	0.001	0.054	0.053	1.90	92.2	91.9	0.3	89.3			80 - 120	20

QA/QC Data

SDG I.D.: GCR97583

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Nickel	BRL	0.001	<0.001	<0.001	NC	90.9	91.1	0.2	88.9			80 - 120	20
Potassium	BRL	0.1	2.3	2.3	0	91.8	89.9	2.1	96.7			80 - 120	20
Selenium	BRL	0.011	<0.011	<0.011	NC	88.2	91.1	3.2	87.7			80 - 120	20
Silver	BRL	0.001	<0.001	<0.001	NC	90.1	90.4	0.3	89.3			80 - 120	20
Sodium	BRL	0.11	117	118	0.90	94.5	88.8	6.2	NC			80 - 120	20
Thallium	BRL	0.011	<0.011	<0.011	NC	92.2	92.8	0.6	90.7			80 - 120	20
Vanadium	BRL	0.002	<0.002	<0.002	NC	90.0	90.0	0.0	88.7			80 - 120	20
Zinc	BRL	0.002	<0.002	<0.002	NC	90.2	90.7	0.6	89.0			80 - 120	20

Comment:

Additional Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range 75-125%.

QA/QC Batch 756261 (mg/kg), QC Sample No: CR97208 (CR97585, CR97587, CR97589, CR97591, CR97595)

ICP Metals - Soil

Aluminum	BRL	5.0	5150	5600	8.40	118	108	8.8	NC			75 - 125	30	
Antimony	BRL	3.3	<3.9	<3.4	NC	98.4	87.7	11.5	93.2			75 - 125	30	
Arsenic	BRL	0.67	4.34	4.72	8.40	99.8	90.8	9.4	89.4			75 - 125	30	
Barium	BRL	0.33	67.5	72.3	6.90	120	105	13.3	105			75 - 125	30	
Beryllium	BRL	0.27	0.45	0.41	NC	112	102	9.3	98.3			75 - 125	30	
Cadmium	BRL	0.33	0.63	0.82	NC	103	99.0	4.0	93.7			75 - 125	30	
Calcium	BRL	5.0	1930	2280	16.6	106	96.2	9.7	NC			75 - 125	30	
Chromium	BRL	0.33	13.4	12.7	5.40	113	99.0	13.2	99.0			75 - 125	30	
Cobalt	BRL	0.33	4.28	5.98	33.1	110	99.6	9.9	98.0			75 - 125	30	r
Copper	BRL	0.67	44.3	225	134	114	103	10.1	105			75 - 125	30	r
Iron	BRL	5.0	15400	14000	9.50	102	95.8	6.3	NC			75 - 125	30	
Lead	BRL	0.33	335	351	4.70	101	95.1	6.0	99.1			75 - 125	30	
Magnesium	BRL	5.0	1670	1710	2.40	108	101	6.7	NC			75 - 125	30	
Manganese	BRL	0.33	184	237	25.2	106	100	5.8	113			75 - 125	30	
Nickel	BRL	0.33	11.5	113	163	115	102	12.0	98.8			75 - 125	30	r
Potassium	BRL	5.0	617	651	5.40	116	107	8.1	130			75 - 125	30	m
Selenium	BRL	1.3	<1.6	<1.4	NC	90.4	80.5	11.6	81.5			75 - 125	30	
Silver	BRL	0.33	<0.39	<0.34	NC	105	98.2	6.7	98.0			75 - 125	30	
Sodium	BRL	5.0	350	383	9.00	124	116	6.7	>130			75 - 125	30	m
Thallium	BRL	3.0	<3.5	<3.1	NC	104	102	1.9	95.9			75 - 125	30	
Vanadium	BRL	0.33	29.3	32.0	8.80	113	101	11.2	102			75 - 125	30	
Zinc	BRL	0.67	225	213	5.50	106	96.8	9.1	65.2			75 - 125	30	m

Comment:

Additional Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range 75-125%.

QA/QC Batch 756262 (mg/kg), QC Sample No: CR97597 (CR97597, CR97599, CR97601, CR97603, CR97605)

ICP Metals - Soil

Aluminum	BRL	5.0	2840	2580	9.60	122	118	3.3	NC			75 - 125	30	
Antimony	BRL	3.3	<5.8	<3.7	NC	103	102	1.0	84.6			75 - 125	30	
Arsenic	BRL	0.67	2.6	1.69	NC	111	110	0.9	86.2			75 - 125	30	
Barium	BRL	0.33	14.7	11.9	21.1	121	117	3.4	94.4			75 - 125	30	
Beryllium	BRL	0.27	<0.47	<0.29	NC	113	124	9.3	93.7			75 - 125	30	
Cadmium	BRL	0.33	<0.58	<0.37	NC	124	120	3.3	86.9			75 - 125	30	
Calcium	BRL	5.0	7440	2390	103	105	107	1.9	NC			75 - 125	30	r
Chromium	BRL	0.33	8.86	7.09	22.2	121	122	0.8	92.7			75 - 125	30	
Cobalt	BRL	0.33	1.82	2.47	NC	120	122	1.7	89.5			75 - 125	30	
Copper	BRL	0.67	8.5	20.7	83.6	122	117	4.2	105			75 - 125	30	r
Iron	BRL	5.0	7560	7190	5.00	101	101	0.0	NC			75 - 125	30	
Lead	BRL	0.33	8.14	27.4	108	115	116	0.9	97.3			75 - 125	30	r

QA/QC Data

SDG I.D.: GCR97583

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Magnesium	BRL	5.0	1220	1340	9.40	105	111	5.6	NC			75 - 125	30
Manganese	BRL	0.33	75.6	94.2	21.9	119	114	4.3	128			75 - 125	30
Nickel	BRL	0.33	5.08	5.19	2.10	123	125	1.6	87.7			75 - 125	30
Potassium	BRL	5.0	705	520	30.2	108	112	3.6	92.1			75 - 125	30
Selenium	BRL	1.3	<2.3	<1.5	NC	104	96.9	7.1	78.0			75 - 125	30
Silver	BRL	0.33	<0.58	<0.37	NC	111	109	1.8	89.8			75 - 125	30
Sodium	BRL	5.0	1950	1100	55.7	124	115	7.5	NC			75 - 125	30
Thallium	BRL	3.0	<5.2	<3.3	NC	118	116	1.7	90.9			75 - 125	30
Vanadium	BRL	0.33	8.83	10.1	13.4	122	121	0.8	95.0			75 - 125	30
Zinc	BRL	0.67	15.7	36.0	78.5	114	114	0.0	100			75 - 125	30

Comment:

Additional Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range 75-125%.

QA/QC Batch 756655 (mg/L), QC Sample No: CR98403 (CR97592, CR97593)

ICP Metals - Aqueous

Aluminum	BRL	0.020	0.066	0.069	NC	101	99.9	1.1	104	102	1.9	80 - 120	20
Antimony	BRL	0.005	<0.005	<0.005	NC	111	111	0.0	114	111	2.7	80 - 120	20
Arsenic	BRL	0.004	0.004	<0.004	NC	100	100	0.0	102	100	2.0	80 - 120	20
Barium	BRL	0.002	0.030	0.030	0	102	103	1.0	106	103	2.9	80 - 120	20
Beryllium	BRL	0.001	<0.001	<0.001	NC	103	103	0.0	105	104	1.0	80 - 120	20
Cadmium	BRL	0.001	<0.001	<0.001	NC	102	102	0.0	103	102	1.0	80 - 120	20
Calcium	BRL	0.010	6.42	6.61	2.90	103	102	1.0	NC	NC	NC	80 - 120	20
Chromium	BRL	0.001	<0.001	<0.001	NC	102	102	0.0	104	102	1.9	80 - 120	20
Cobalt	BRL	0.002	<0.002	<0.002	NC	102	101	1.0	103	102	1.0	80 - 120	20
Copper	BRL	0.005	<0.005	<0.005	NC	111	110	0.9	114	111	2.7	80 - 120	20
Iron	BRL	0.010	0.053	0.055	3.70	103	102	1.0	104	103	1.0	80 - 120	20
Lead	BRL	0.001	<0.001	<0.001	NC	102	101	1.0	103	101	2.0	80 - 120	20
Magnesium	BRL	0.010	0.598	0.607	1.50	104	103	1.0	103	104	1.0	80 - 120	20
Manganese	BRL	0.001	0.091	0.093	2.20	109	109	0.0	112	110	1.8	80 - 120	20
Nickel	BRL	0.001	0.002	0.002	NC	102	101	1.0	103	102	1.0	80 - 120	20
Potassium	BRL	0.1	0.9	0.9	0	97.5	98.2	0.7	101	98.7	2.3	80 - 120	20
Selenium	BRL	0.010	<0.010	<0.010	NC	106	105	0.9	106	106	0.0	80 - 120	20
Silver	BRL	0.001	<0.001	<0.001	NC	111	109	1.8	114	112	1.8	80 - 120	20
Sodium	BRL	0.10	24.3	24.6	1.20	92.1	92.8	0.8	NC	NC	NC	80 - 120	20
Thallium	BRL	0.050	0	<0.050	NC	111	110	0.9	113	111	1.8	80 - 120	20
Vanadium	BRL	0.002	<0.002	<0.002	NC	102	102	0.0	104	102	1.9	80 - 120	20
Zinc	BRL	0.004	<0.004	<0.004	NC	101	101	0.0	103	101	2.0	80 - 120	20

Comment:

Additional Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. 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.
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QA/QC Report

November 12, 2024

QA/QC Data

SDG I.D.: GCR97583

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 756754 (mg/Kg), QC Sample No: CR97595 5X (CR97585, CR97587, CR97589, CR97591, CR97592, CR97593, CR97595, CR97597, CR97599, CR97601, CR97603, CR97605)													
Reactivity Cyanide	BRL	5	<5	<5.3	NC	96.6						85 - 115	30
Reactivity Sulfide	BRL	20	<20	<20	NC	88.0						80 - 120	30
QA/QC Batch 756413 (Degree F), QC Sample No: CR94559 (CR97591)													
Flash Point			>200	>200	NC	101						75 - 125	30
Comment: Additional criteria matrix spike acceptance range is 75-125%.													
QA/QC Batch 756827 (Degree F), QC Sample No: CR97073 (CR97585, CR97587, CR97589, CR97595, CR97597, CR97599, CR97601, CR97603, CR97605)													
Flash Point			>200	>200	NC	101						75 - 125	30
Comment: Additional criteria matrix spike acceptance range is 75-125%.													
QA/QC Batch 756304 (PH), QC Sample No: CR97336 (CR97585, CR97587, CR97589)													
pH			4.96	5.04	NC	101						85 - 115	20
QA/QC Batch 756305 (PH), QC Sample No: CR97591 (CR97591, CR97592, CR97593, CR97595, CR97597, CR97599, CR97601, CR97603, CR97605)													
pH			7.33	7.29	0.50	101						85 - 115	20
QA/QC Batch 756306 (mV), QC Sample No: CR97591 (CR97591, CR97592, CR97593, CR97595, CR97597, CR97599, CR97601, CR97603, CR97605)													
Redox Potential			324	362	NC							75 - 125	30
Comment: Additional criteria matrix spike acceptance range is 75-125%.													
QA/QC Batch 757037 (Degree F), QC Sample No: CR97805 (CR97592, CR97593)													
Flash Point			>200	>200	NC	101						75 - 125	30
Comment: Additional criteria matrix spike acceptance range is 75-125%.													
QA/QC Batch 756245 (mg/L), QC Sample No: CR96021 (CR97592, CR97593)													
Chromium, Hexavalent	BRL	0.01	<0.01	<0.01	NC	98.9			108			80 - 120	20
Comment: Additional Hexavalent Chromium criteria: MS acceptance range is 75-125%.													



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QA/QC Report

November 12, 2024

QA/QC Data

SDG I.D.: GCR97583

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

QA/QC Batch 756254 (mg/Kg), QC Sample No: CR97585 (CR97585, CR97587, CR97589, CR97591, CR97595, CR97597, CR97599, CR97601, CR97603, CR97605)

TPH by GC (Extractable Products) - Soil

Ext. Petroleum HC	ND	50	100	85	16.2	79	66	17.9	30 - 130	30
% COD (surr)	106	%	69	66	4.4	102	109	6.6	50 - 150	30
% Terphenyl (surr)	105	%	97	88	9.7	93	80	15.0	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 757317 (mg/L), QC Sample No: CR99326 (CR97592, CR97593)

TPH by GC (Extractable Products) - Ground Water

Total TPH	ND	0.070	105	106	0.9				60 - 120	20
% Terphenyl (surr)	75	%	87	83	4.7				50 - 150	20

Comment:

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

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 756619 (mg/Kg), QC Sample No: CR97591 50X (CR97585 (50X) , CR97587 (50X) , CR97589 (50X) , CR97591 (50X) , CR97595 (50X) , CR97597 (50X) , CR97599 (50X) , CR97601 (50X) , CR97603 (50X) , CR97605 (50X))

Gasoline Range Hydrocarbons (C6C10) - Soil

GRO (C6-C10)	ND	5.0	102	104	1.9	100	102	2.0	70 - 130	30
% 2,5-Dibromotoluene (FID)	102	%	109	105	3.7	105	105	0.0	70 - 130	30

QA/QC Batch 756617 (ug/L), QC Sample No: CR97592 (CR97592, CR97593)

Gasoline Range Hydrocarbons - Ground Water

GRO (C6-C10)	ND	50	102	104	1.9				70 - 130	30
% 2,5-Dibromotoluene (FID)	102		109	105	3.7				70 - 130	30

Comment:

The MS/MSD are not reported for this batch.

QA/QC Batch 756347 (ug/L), QC Sample No: CR96658 10X (CR97592, CR97593)

Chlorinated Herbicides - Ground Water

2,4,5-T	ND	2.5	92	94	2.2				40 - 140	20
2,4,5-TP (Silvex)	ND	2.5	94	94	0.0				40 - 140	20
2,4-D	ND	5.0	93	94	1.1				40 - 140	20
2,4-DB	ND	50	39	43	9.8				40 - 140	20
Dalapon	ND	2.5	86	88	2.3				40 - 140	20
Dicamba	ND	2.5	90	88	2.2				40 - 140	20
Dichloroprop	ND	5.0	129	131	1.5				40 - 140	20
Dinoseb	ND	5.0	90	93	3.3				40 - 140	20
% DCAA (Surrogate Rec)	131	%	136	135	0.7				30 - 150	20
% DCAA (Surrogate Rec) (Confirm	123	%	131	128	2.3				30 - 150	20

QA/QC Data

SDG I.D.: GCR97583

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

Comment:

8151 additional criteria: (LCS/LCSD)10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. LCS acceptance range is 40-140% MS acceptance range 30-150%.

QA/QC Batch 756838 (ug/Kg), QC Sample No: CR98827 10X (CR97585, CR97587, CR97589)

Chlorinated Herbicides - Soil

2,4,5-T	ND	130	45	49	8.5	34	33	3.0	40 - 140	30
2,4,5-TP (Silvex)	ND	130	48	51	6.1	37	38	2.7	40 - 140	30
2,4-D	ND	250	47	52	10.1	41	39	5.0	40 - 140	30
2,4-DB	ND	2500	44	49	10.8	37	38	2.7	40 - 140	30
Dalapon	ND	130	42	48	13.3	36	36	0.0	40 - 140	30
Dicamba	ND	130	45	48	6.5	34	33	3.0	40 - 140	30
Dichloroprop	ND	130	48	52	8.0	39	39	0.0	40 - 140	30
Dinoseb	ND	130	46	56	19.6	40	39	2.5	40 - 140	30
% DCAA (Surrogate Rec)	72	%	64	70	9.0	54	58	7.1	30 - 150	30
% DCAA (Surrogate Rec) (Confirm	74	%	74	73	1.4	61	66	7.9	30 - 150	30

Comment:

8151 additional criteria: (LCS/LCSD)10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. LCS acceptance range is 40-140% MS acceptance range 30-150%.

QA/QC Batch 757089 (ug/Kg), QC Sample No: CS00081 10X (CR97591, CR97595, CR97597)

Chlorinated Herbicides - Soil

2,4,5-T	ND	130	59	61	3.3	39	47	18.6	40 - 140	30
2,4,5-TP (Silvex)	ND	130	57	59	3.4	34	41	18.7	40 - 140	30
2,4-D	ND	250	39	42	7.4	28	30	6.9	40 - 140	30
2,4-DB	ND	2500	53	54	1.9	35	43	20.5	40 - 140	30
Dalapon	ND	130	63	71	11.9	43	53	20.8	40 - 140	30
Dicamba	ND	130	63	67	6.2	43	52	18.9	40 - 140	30
Dichloroprop	ND	130	56	59	5.2	38	47	21.2	40 - 140	30
Dinoseb	ND	130	67	69	2.9	48	60	22.2	40 - 140	30
% DCAA (Surrogate Rec)	82	%	88	94	6.6	61	71	15.2	30 - 150	30
% DCAA (Surrogate Rec) (Confirm	84	%	80	84	4.9	49	62	23.4	30 - 150	30

Comment:

8151 additional criteria: (LCS/LCSD)10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. LCS acceptance range is 40-140% MS acceptance range 30-150%.

QA/QC Batch 757357 (ug/Kg), QC Sample No: CS01209 10X (CR97599, CR97601, CR97603, CR97605)

Chlorinated Herbicides - Soil

2,4,5-T	ND	130	59	71	18.5	45	45	0.0	40 - 140	30
2,4,5-TP (Silvex)	ND	130	63	58	8.3	49	47	4.2	40 - 140	30
2,4-D	ND	250	64	62	3.2	54	44	20.4	40 - 140	30
2,4-DB	ND	2500	68	50	30.5	45	45	0.0	40 - 140	30
Dalapon	ND	130	55	50	9.5	45	40	11.8	40 - 140	30
Dicamba	ND	130	71	70	1.4	57	54	5.4	40 - 140	30
Dichloroprop	ND	130	66	69	4.4	57	56	1.8	40 - 140	30
Dinoseb	ND	130	58	61	5.0	41	38	7.6	40 - 140	30
% DCAA (Surrogate Rec)	75	%	98	84	15.4	74	72	2.7	30 - 150	30
% DCAA (Surrogate Rec) (Confirm	78	%	103	72	35.4	83	83	0.0	30 - 150	30

Comment:

8151 additional criteria: (LCS/LCSD)10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. LCS acceptance range is 40-140% MS acceptance range 30-150%.

QA/QC Batch 756639 (ug/Kg), QC Sample No: CR96722 2X (CR97597, CR97599, CR97601, CR97603, CR97605)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	33	72	77	6.7	77	67	13.9	40 - 140	30

QA/QC Data

SDG I.D.: GCR97583

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
PCB-1221	ND	33							40 - 140	30
PCB-1232	ND	33							40 - 140	30
PCB-1242	ND	33							40 - 140	30
PCB-1248	ND	33							40 - 140	30
PCB-1254	ND	33							40 - 140	30
PCB-1260	ND	33	72	77	6.7	53	46	14.1	40 - 140	30
PCB-1262	ND	33							40 - 140	30
PCB-1268	ND	33							40 - 140	30
% DCBP (Surrogate Rec)	71	%	82	89	8.2	72	57	23.3	30 - 150	30
% DCBP (Surrogate Rec) (Confirm	71	%	80	86	7.2	61	55	10.3	30 - 150	30
% TCMX (Surrogate Rec)	67	%	74	82	10.3	76	65	15.6	30 - 150	30
% TCMX (Surrogate Rec) (Confirm	67	%	78	85	8.6	78	66	16.7	30 - 150	30

QA/QC Batch 756441 (ug/L), QC Sample No: CR97042 (CR97592, CR97593)

Polychlorinated Biphenyls - Ground Water

PCB-1016	ND	0.050	89	90	1.1	105	99	5.9	40 - 140	20
PCB-1221	ND	0.050							40 - 140	20
PCB-1232	ND	0.050							40 - 140	20
PCB-1242	ND	0.050							40 - 140	20
PCB-1248	ND	0.050							40 - 140	20
PCB-1254	ND	0.050							40 - 140	20
PCB-1260	ND	0.050	86	95	9.9	90	94	4.3	40 - 140	20
PCB-1262	ND	0.050							40 - 140	20
PCB-1268	ND	0.050							40 - 140	20
% DCBP (Surrogate Rec)	86	%	82	98	17.8	80	83	3.7	30 - 150	20
% DCBP (Surrogate Rec) (Confirm	85	%	80	98	20.2	80	83	3.7	30 - 150	20
% TCMX (Surrogate Rec)	80	%	89	91	2.2	96	91	5.3	30 - 150	20
% TCMX (Surrogate Rec) (Confirm	75	%	92	95	3.2	97	92	5.3	30 - 150	20

QA/QC Batch 756348 (ug/Kg), QC Sample No: CR97085 2X (CR97585, CR97587, CR97589, CR97591, CR97595)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	33	100	114	13.1	114	97	16.1	40 - 140	30
PCB-1221	ND	33							40 - 140	30
PCB-1232	ND	33							40 - 140	30
PCB-1242	ND	33							40 - 140	30
PCB-1248	ND	33							40 - 140	30
PCB-1254	ND	33							40 - 140	30
PCB-1260	ND	33	93	115	21.2	107	95	11.9	40 - 140	30
PCB-1262	ND	33							40 - 140	30
PCB-1268	ND	33							40 - 140	30
% DCBP (Surrogate Rec)	114	%	104	136	26.7	123	110	11.2	30 - 150	30
% DCBP (Surrogate Rec) (Confirm	98	%	101	126	22.0	114	99	14.1	30 - 150	30
% TCMX (Surrogate Rec)	102	%	101	118	15.5	116	99	15.8	30 - 150	30
% TCMX (Surrogate Rec) (Confirm	94	%	95	110	14.6	110	93	16.7	30 - 150	30

QA/QC Batch 756640 (ug/Kg), QC Sample No: CR96722 2X (CR97597, CR97599, CR97601, CR97603, CR97605)

Pesticides - Soil

4,4' -DDD	ND	1.7	59	55	7.0	76	59	25.2	40 - 140	30
4,4' -DDE	ND	1.7	60	55	8.7	86	76	12.3	40 - 140	30
4,4' -DDT	ND	1.7	60	56	6.9	123	148	18.5	40 - 140	30
a-BHC	ND	1.0	55	51	7.5	47	39	18.6	40 - 140	30
a-Chlordane	ND	3.3	57	54	5.4	45	31	36.8	40 - 140	30
Aldrin	ND	1.0	54	50	7.7	41	33	21.6	40 - 140	30
b-BHC	ND	1.0	55	50	9.5	51	47	8.2	40 - 140	30

QA/QC Data

SDG I.D.: GCR97583

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Chlordane	ND	33	61	53	14.0	56	40	33.3	40 - 140	30	r
d-BHC	ND	3.3	36	49	30.6	42	41	2.4	40 - 140	30	l,r
Dieldrin	ND	1.0	59	55	7.0	55	43	24.5	40 - 140	30	
Endosulfan I	ND	3.3	56	49	13.3	53	32	49.4	40 - 140	30	r
Endosulfan II	ND	3.3	59	57	3.4	83	69	18.4	40 - 140	30	
Endosulfan sulfate	ND	3.3	62	59	5.0	86	98	13.0	40 - 140	30	
Endrin	ND	3.3	58	49	16.8	55	43	24.5	40 - 140	30	
Endrin aldehyde	ND	3.3	53	51	3.8	118	136	14.2	40 - 140	30	
Endrin ketone	ND	3.3	67	62	7.8	116	94	21.0	40 - 140	30	
g-BHC	ND	1.0	63	61	3.2	55	48	13.6	40 - 140	30	
g-Chlordane	ND	3.3	61	53	14.0	56	40	33.3	40 - 140	30	r
Heptachlor	ND	3.3	53	49	7.8	46	45	2.2	40 - 140	30	
Heptachlor epoxide	ND	3.3	50	46	8.3	53	58	9.0	40 - 140	30	
Methoxychlor	ND	3.3	66	63	4.7	85	64	28.2	40 - 140	30	
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30	
% DCBP	75	%	62	59	5.0	106	66	46.5	30 - 150	30	r
% DCBP (Confirmation)	79	%	69	65	6.0	107	60	56.3	30 - 150	30	r
% TCMX	62	%	55	49	11.5	51	46	10.3	30 - 150	30	
% TCMX (Confirmation)	67	%	60	53	12.4	61	51	17.9	30 - 150	30	

Comment:

8081 additional criteria: (LCS/LCSD)10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. LCS acceptance range is 40-140% MS acceptance range 30-150%.

QA/QC Batch 756349 (ug/Kg), QC Sample No: CR97085 2X (CR97585, CR97587, CR97589, CR97591, CR97595)

Pesticides - Soil

4,4' -DDD	ND	1.7	86	90	4.5	79	80	1.3	40 - 140	30	
4,4' -DDE	ND	1.7	91	94	3.2	82	85	3.6	40 - 140	30	
4,4' -DDT	ND	1.7	90	92	2.2	83	84	1.2	40 - 140	30	
a-BHC	ND	1.0	83	85	2.4	75	73	2.7	40 - 140	30	
a-Chlordane	ND	3.3	85	88	3.5	74	76	2.7	40 - 140	30	
Aldrin	ND	1.0	80	80	0.0	70	69	1.4	40 - 140	30	
b-BHC	ND	1.0	81	81	0.0	67	69	2.9	40 - 140	30	
Chlordane	ND	33	87	89	2.3	79	81	2.5	40 - 140	30	
d-BHC	ND	3.3	69	74	7.0	72	73	1.4	40 - 140	30	
Dieldrin	ND	1.0	88	90	2.2	78	79	1.3	40 - 140	30	
Endosulfan I	ND	3.3	84	85	1.2	76	76	0.0	40 - 140	30	
Endosulfan II	ND	3.3	91	93	2.2	80	82	2.5	40 - 140	30	
Endosulfan sulfate	ND	3.3	93	96	3.2	86	86	0.0	40 - 140	30	
Endrin	ND	3.3	84	88	4.7	77	76	1.3	40 - 140	30	
Endrin aldehyde	ND	3.3	68	70	2.9	51	57	11.1	40 - 140	30	
Endrin ketone	ND	3.3	99	101	2.0	88	88	0.0	40 - 140	30	
g-BHC	ND	1.0	86	87	1.2	78	77	1.3	40 - 140	30	
g-Chlordane	ND	3.3	87	89	2.3	79	81	2.5	40 - 140	30	
Heptachlor	ND	3.3	77	77	0.0	68	68	0.0	40 - 140	30	
Heptachlor epoxide	ND	3.3	73	74	1.4	66	65	1.5	40 - 140	30	
Methoxychlor	ND	3.3	95	99	4.1	91	91	0.0	40 - 140	30	
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30	
% DCBP	89	%	89	90	1.1	82	81	1.2	30 - 150	30	
% DCBP (Confirmation)	75	%	81	82	1.2	79	79	0.0	30 - 150	30	
% TCMX	76	%	77	77	0.0	70	68	2.9	30 - 150	30	
% TCMX (Confirmation)	72	%	77	75	2.6	67	66	1.5	30 - 150	30	

QA/QC Data

SDG I.D.: GCR97583

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

Comment:

8081 additional criteria: (LCS/LCSD)10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. LCS acceptance range is 40-140% MS acceptance range 30-150%.

QA/QC Batch 756642 (ug/L), QC Sample No: CR98411 (CR97592, CR97593)

Pesticides - Ground Water

4,4' -DDD	ND	0.003	94	102	8.2				40 - 140	20
4,4' -DDE	ND	0.003	91	97	6.4				40 - 140	20
4,4' -DDT	ND	0.003	75	83	10.1				40 - 140	20
a-BHC	ND	0.002	78	87	10.9				40 - 140	20
a-Chlordane	ND	0.005	80	81	1.2				40 - 140	20
Alachlor	ND	0.005	NA	NA	NC				40 - 140	20
Aldrin	ND	0.002	58	53	9.0				40 - 140	20
b-BHC	ND	0.002	79	82	3.7				40 - 140	20
Chlordane	ND	0.050	77	75	2.6				40 - 140	20
d-BHC	ND	0.005	69	70	1.4				40 - 140	20
Dieldrin	ND	0.002	89	92	3.3				40 - 140	20
Endosulfan I	ND	0.005	81	77	5.1				40 - 140	20
Endosulfan II	ND	0.005	93	102	9.2				40 - 140	20
Endosulfan sulfate	ND	0.005	89	89	0.0				40 - 140	20
Endrin	ND	0.005	66	100	41.0				40 - 140	20
Endrin aldehyde	ND	0.005	74	83	11.5				40 - 140	20
Endrin ketone	ND	0.005	87	89	2.3				40 - 140	20
g-BHC	ND	0.002	78	86	9.8				40 - 140	20
g-Chlordane	ND	0.005	77	75	2.6				40 - 140	20
Heptachlor	ND	0.005	62	62	0.0				40 - 140	20
Heptachlor epoxide	ND	0.005	69	74	7.0				40 - 140	20
Methoxychlor	ND	0.005	101	114	12.1				40 - 140	20
Toxaphene	ND	0.20	NA	NA	NC				40 - 140	20
% DCBP	78	%	70	82	15.8				30 - 150	20
% DCBP (Confirmation)	75	%	82	78	5.0				30 - 150	20
% TCMX	64	%	70	72	2.8				30 - 150	20
% TCMX (Confirmation)	66	%	74	78	5.3				30 - 150	20

Comment:

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

8081 additional criteria: (LCS/LCSD)10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. LCS acceptance range is 40-140% MS acceptance range 30-150%.

QA/QC Batch 756881 (ug/L), QC Sample No: CR97044 (CR97592, CR97593)

Semivolatiles - Ground Water

1,2,4,5-Tetrachlorobenzene	ND	3.5	82	81	1.2				40 - 140	20
1,2,4-Trichlorobenzene	ND	3.5	83	80	3.7				40 - 140	20
1,2-Dichlorobenzene	ND	1.0	72	69	4.3				40 - 140	20
1,2-Diphenylhydrazine	ND	1.6	78	80	2.5				40 - 140	20
1,3-Dichlorobenzene	ND	1.0	73	69	5.6				40 - 140	20
1,4-Dichlorobenzene	ND	1.0	72	69	4.3				40 - 140	20
2,2'-Oxybis(1-Chloropropane)	ND	1.0	61	62	1.6				40 - 140	20
2,4,5-Trichlorophenol	ND	1.0	88	83	5.8				40 - 140	20
2,4,6-Trichlorophenol	ND	1.0	88	87	1.1				30 - 130	20
2,4-Dichlorophenol	ND	1.0	95	88	7.7				30 - 130	20
2,4-Dimethylphenol	ND	1.0	85	83	2.4				30 - 130	20
2,4-Dinitrophenol	ND	1.0	82	77	6.3				30 - 130	20

QA/QC Data

SDG I.D.: GCR97583

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
2,4-Dinitrotoluene	ND	3.5	89	87	2.3				30 - 130	20
2,6-Dinitrotoluene	ND	3.5	95	93	2.1				40 - 140	20
2-Chloronaphthalene	ND	3.5	91	88	3.4				40 - 140	20
2-Chlorophenol	ND	1.0	77	76	1.3				30 - 130	20
2-Methylphenol (o-cresol)	ND	1.0	85	83	2.4				40 - 140	20
2-Nitroaniline	ND	3.5	145	149	2.7				40 - 140	20
2-Nitrophenol	ND	1.0	79	76	3.9				40 - 140	20
3&4-Methylphenol (m&p-cresol)	ND	1.0	90	87	3.4				30 - 130	20
3,3'-Dichlorobenzidine	ND	5.0	53	49	7.8				40 - 140	20
3-Nitroaniline	ND	5.0	111	110	0.9				40 - 140	20
4,6-Dinitro-2-methylphenol	ND	1.0	92	91	1.1				30 - 130	20
4-Bromophenyl phenyl ether	ND	3.5	91	89	2.2				40 - 140	20
4-Chloro-3-methylphenol	ND	1.0	92	89	3.3				30 - 130	20
4-Chloroaniline	ND	3.5	84	74	12.7				40 - 140	20
4-Chlorophenyl phenyl ether	ND	1.0	85	83	2.4				40 - 140	20
4-Nitroaniline	ND	5.0	85	87	2.3				40 - 140	20
4-Nitrophenol	ND	1.0	77	77	0.0				30 - 130	20
Acetophenone	ND	3.5	78	77	1.3				40 - 140	20
Aniline	ND	3.5	74	68	8.5				40 - 140	20
Benzidine	ND	4.5	95	80	17.1				40 - 140	20
Benzoic acid	ND	10	73	51	35.5				30 - 130	20
Benzyl butyl phthalate	ND	1.5	89	91	2.2				40 - 140	20
Bis(2-chloroethoxy)methane	ND	3.5	86	84	2.4				40 - 140	20
Bis(2-chloroethyl)ether	ND	1.0	75	74	1.3				40 - 140	20
Bis(2-ethylhexyl)phthalate	ND	1.5	86	88	2.3				40 - 140	20
Carbazole	ND	5.0	88	88	0.0				40 - 140	20
Dibenzofuran	ND	3.5	88	87	1.1				40 - 140	20
Diethyl phthalate	ND	1.5	92	92	0.0				40 - 140	20
Dimethylphthalate	ND	1.5	91	89	2.2				40 - 140	20
Di-n-butylphthalate	ND	1.5	84	86	2.4				40 - 140	20
Di-n-octylphthalate	ND	1.5	89	90	1.1				40 - 140	20
Hexachloroethane	ND	3.5	74	72	2.7				40 - 140	20
Isophorone	ND	3.5	74	74	0.0				40 - 140	20
N-Nitrosodi-n-propylamine	ND	3.5	81	80	1.2				40 - 140	20
N-Nitrosodiphenylamine	ND	3.5	79	78	1.3				40 - 140	20
Pentachloronitrobenzene	ND	5.0	78	79	1.3				40 - 140	20
Phenol	ND	1.0	78	74	5.3				30 - 130	20
% 2,4,6-Tribromophenol	46	%	78	79	1.3				15 - 110	20
% 2-Fluorobiphenyl	72	%	82	80	2.5				30 - 130	20
% 2-Fluorophenol	65	%	68	63	7.6				15 - 110	20
% Nitrobenzene-d5	68	%	73	73	0.0				30 - 130	20
% Phenol-d5	61	%	72	69	4.3				15 - 110	20
% Terphenyl-d14	68	%	82	82	0.0				30 - 130	20

Comment:

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

Additional 8270 criteria: 10% 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 756458 (ug/kg), QC Sample No: CR97100 (CR97585, CR97587, CR97589)

Semivolatiles - Soil

1,2,4,5-Tetrachlorobenzene	ND	230	58	49	16.8	50	48	4.1	40 - 140	30
1,2,4-Trichlorobenzene	ND	230	73	61	17.9	62	59	5.0	40 - 140	30
1,2-Dichlorobenzene	ND	180	65	52	22.2	55	53	3.7	40 - 140	30

QA/QC Data

SDG I.D.: GCR97583

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,2-Diphenylhydrazine	ND	230	64	55	15.1	54	52	3.8	40 - 140	30
1,3-Dichlorobenzene	ND	230	64	51	22.6	53	52	1.9	40 - 140	30
1,4-Dichlorobenzene	ND	230	66	54	20.0	56	55	1.8	40 - 140	30
2,2'-Oxybis(1-Chloropropane)	ND	230	55	46	17.8	48	47	2.1	40 - 140	30
2,4,5-Trichlorophenol	ND	230	88	72	20.0	74	70	5.6	40 - 140	30
2,4,6-Trichlorophenol	ND	130	88	69	24.2	73	70	4.2	30 - 130	30
2,4-Dichlorophenol	ND	130	77	63	20.0	65	61	6.3	30 - 130	30
2,4-Dimethylphenol	ND	230	87	71	20.3	73	69	5.6	30 - 130	30
2,4-Dinitrophenol	ND	230	91	81	11.6	59	54	8.8	30 - 130	30
2,4-Dinitrotoluene	ND	130	94	78	18.6	75	70	6.9	30 - 130	30
2,6-Dinitrotoluene	ND	130	91	77	16.7	74	70	5.6	40 - 140	30
2-Chloronaphthalene	ND	230	79	65	19.4	65	62	4.7	40 - 140	30
2-Chlorophenol	ND	230	70	57	20.5	59	58	1.7	30 - 130	30
2-Methylnaphthalene	ND	230	69	59	15.6	59	56	5.2	40 - 140	30
2-Methylphenol (o-cresol)	ND	230	75	63	17.4	65	64	1.6	40 - 140	30
2-Nitroaniline	ND	330	104	87	17.8	86	79	8.5	40 - 140	30
2-Nitrophenol	ND	230	66	55	18.2	56	55	1.8	40 - 140	30
3&4-Methylphenol (m&p-cresol)	ND	230	72	58	21.5	61	60	1.7	30 - 130	30
3,3'-Dichlorobenzidine	ND	130	63	52	19.1	57	56	1.8	40 - 140	30
3-Nitroaniline	ND	330	82	75	8.9	77	71	8.1	40 - 140	30
4,6-Dinitro-2-methylphenol	ND	230	86	74	15.0	61	56	8.5	30 - 130	30
4-Bromophenyl phenyl ether	ND	230	72	57	23.3	59	55	7.0	40 - 140	30
4-Chloro-3-methylphenol	ND	230	80	68	16.2	68	65	4.5	30 - 130	30
4-Chloroaniline	ND	230	53	53	0.0	54	51	5.7	40 - 140	30
4-Chlorophenyl phenyl ether	ND	230	78	64	19.7	65	61	6.3	40 - 140	30
4-Nitroaniline	ND	230	83	70	17.0	70	69	1.4	40 - 140	30
4-Nitrophenol	ND	230	128	100	24.6	102	64	45.8	30 - 130	30
Acenaphthene	ND	230	78	66	16.7	65	62	4.7	30 - 130	30
Acenaphthylene	ND	130	68	56	19.4	56	53	5.5	40 - 140	30
Acetophenone	ND	230	58	49	16.8	50	50	0.0	40 - 140	30
Aniline	ND	330	95	82	14.7	42	40	4.9	40 - 140	30
Anthracene	ND	230	79	63	22.5	65	61	6.3	40 - 140	30
Benz(a)anthracene	ND	230	87	70	21.7	69	66	4.4	40 - 140	30
Benzidine	ND	330	<10	<10	NC	20	21	4.9	40 - 140	30
Benzo(a)pyrene	ND	130	80	65	20.7	63	60	4.9	40 - 140	30
Benzo(b)fluoranthene	ND	160	74	60	20.9	59	58	1.7	40 - 140	30
Benzo(ghi)perylene	ND	230	104	82	23.7	61	63	3.2	40 - 140	30
Benzo(k)fluoranthene	ND	230	72	59	19.8	62	60	3.3	40 - 140	30
Benzoic Acid	ND	670	74	58	24.2	28	25	11.3	30 - 130	30
Benzyl butyl phthalate	ND	230	78	64	19.7	67	65	3.0	40 - 140	30
Bis(2-chloroethoxy)methane	ND	230	69	58	17.3	59	58	1.7	40 - 140	30
Bis(2-chloroethyl)ether	ND	130	66	57	14.6	59	57	3.4	40 - 140	30
Bis(2-ethylhexyl)phthalate	ND	230	79	64	21.0	68	67	1.5	40 - 140	30
Carbazole	ND	230	74	61	19.3	61	58	5.0	40 - 140	30
Chrysene	ND	230	83	68	19.9	68	65	4.5	40 - 140	30
Dibenz(a,h)anthracene	ND	130	87	70	21.7	53	54	1.9	40 - 140	30
Dibenzofuran	ND	230	79	67	16.4	67	63	6.2	40 - 140	30
Diethyl phthalate	ND	230	78	66	16.7	64	61	4.8	40 - 140	30
Dimethylphthalate	ND	230	84	70	18.2	69	65	6.0	40 - 140	30
Di-n-butylphthalate	ND	670	69	58	17.3	57	55	3.6	40 - 140	30
Di-n-octylphthalate	ND	230	88	71	21.4	71	69	2.9	40 - 140	30
Fluoranthene	ND	230	68	57	17.6	55	52	5.6	40 - 140	30
Fluorene	ND	230	79	66	17.9	65	62	4.7	40 - 140	30

QA/QC Data

SDG I.D.: GCR97583

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Hexachlorobenzene	ND	130	71	57	21.9	59	57	3.4	40 - 140	30
Hexachlorobutadiene	ND	230	69	55	22.6	59	56	5.2	40 - 140	30
Hexachlorocyclopentadiene	ND	230	63	50	23.0	47	42	11.2	40 - 140	30
Hexachloroethane	ND	130	64	52	20.7	55	52	5.6	40 - 140	30
Indeno(1,2,3-cd)pyrene	ND	230	96	76	23.3	52	52	0.0	40 - 140	30
Isophorone	ND	130	67	57	16.1	58	56	3.5	40 - 140	30
Naphthalene	ND	230	69	58	17.3	60	59	1.7	40 - 140	30
Nitrobenzene	ND	130	65	55	16.7	56	56	0.0	40 - 140	30
N-Nitrosodimethylamine	ND	230	79	65	19.4	65	62	4.7	40 - 140	30
N-Nitrosodi-n-propylamine	ND	130	62	51	19.5	53	53	0.0	40 - 140	30
N-Nitrosodiphenylamine	ND	130	76	64	17.1	63	60	4.9	40 - 140	30
Pentachloronitrobenzene	ND	230	60	48	22.2	51	49	4.0	40 - 140	30
Pentachlorophenol	ND	230	83	68	19.9	61	59	3.3	30 - 130	30
Phenanthrene	ND	130	79	63	22.5	66	62	6.3	40 - 140	30
Phenol	ND	230	73	61	17.9	68	66	3.0	30 - 130	30
Pyrene	ND	230	68	57	17.6	55	51	7.5	30 - 130	30
Pyridine	ND	230	63	51	21.1	45	42	6.9	40 - 140	30
% 2,4,6-Tribromophenol	57	%	69	56	20.8	60	59	1.7	30 - 130	30
% 2-Fluorobiphenyl	65	%	74	62	17.6	63	60	4.9	30 - 130	30
% 2-Fluorophenol	58	%	72	60	18.2	63	61	3.2	30 - 130	30
% Nitrobenzene-d5	54	%	61	52	15.9	54	54	0.0	30 - 130	30
% Phenol-d5	55	%	66	56	16.4	58	56	3.5	30 - 130	30
% Terphenyl-d14	60	%	68	58	15.9	56	53	5.5	30 - 130	30

Comment:

Additional 8270 criteria: 10% 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 756584 (ug/kg), QC Sample No: CR98459 (CR97591, CR97595, CR97597, CR97599, CR97601, CR97603, CR97605)

Semivolatiles - Soil

1,2,4,5-Tetrachlorobenzene	ND	230	67	67	0.0	72	68	5.7	40 - 140	30
1,2,4-Trichlorobenzene	ND	230	65	67	3.0	70	65	7.4	40 - 140	30
1,2-Dichlorobenzene	ND	180	59	63	6.6	65	60	8.0	40 - 140	30
1,2-Diphenylhydrazine	ND	230	85	80	6.1	83	83	0.0	40 - 140	30
1,3-Dichlorobenzene	ND	230	56	60	6.9	62	58	6.7	40 - 140	30
1,4-Dichlorobenzene	ND	230	58	62	6.7	64	61	4.8	40 - 140	30
2,2'-Oxybis(1-Chloropropane)	ND	230	58	60	3.4	63	58	8.3	40 - 140	30
2,4,5-Trichlorophenol	ND	230	86	81	6.0	86	85	1.2	40 - 140	30
2,4,6-Trichlorophenol	ND	130	85	81	4.8	87	86	1.2	30 - 130	30
2,4-Dichlorophenol	ND	130	78	76	2.6	83	81	2.4	30 - 130	30
2,4-Dimethylphenol	ND	230	76	73	4.0	80	76	5.1	30 - 130	30
2,4-Dinitrophenol	ND	230	58	78	29.4	77	72	6.7	30 - 130	30
2,4-Dinitrotoluene	ND	130	100	93	7.3	97	97	0.0	30 - 130	30
2,6-Dinitrotoluene	ND	130	92	86	6.7	90	91	1.1	40 - 140	30
2-Chloronaphthalene	ND	230	79	77	2.6	82	80	2.5	40 - 140	30
2-Chlorophenol	ND	230	69	69	0.0	74	69	7.0	30 - 130	30
2-Methylnaphthalene	ND	230	72	71	1.4	74	72	2.7	40 - 140	30
2-Methylphenol (o-cresol)	ND	230	70	69	1.4	75	72	4.1	40 - 140	30
2-Nitroaniline	ND	330	179	171	4.6	170	169	0.6	40 - 140	30
2-Nitrophenol	ND	230	64	65	1.6	67	65	3.0	40 - 140	30
3&4-Methylphenol (m&p-cresol)	ND	230	81	79	2.5	85	82	3.6	30 - 130	30
3,3'-Dichlorobenzidine	ND	130	89	84	5.8	89	93	4.4	40 - 140	30
3-Nitroaniline	ND	330	110	102	7.5	101	102	1.0	40 - 140	30
4,6-Dinitro-2-methylphenol	ND	230	73	84	14.0	80	73	9.2	30 - 130	30

I,m

QA/QC Data

SDG I.D.: GCR97583

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
4-Bromophenyl phenyl ether	ND	230	87	79	9.6	84	82	2.4	40 - 140	30
4-Chloro-3-methylphenol	ND	230	84	80	4.9	86	85	1.2	30 - 130	30
4-Chloroaniline	ND	230	82	81	1.2	77	77	0.0	40 - 140	30
4-Chlorophenyl phenyl ether	ND	230	82	78	5.0	82	81	1.2	40 - 140	30
4-Nitroaniline	ND	230	92	87	5.6	92	92	0.0	40 - 140	30
4-Nitrophenol	ND	230	152	145	4.7	142	143	0.7	30 - 130	30
Acenaphthene	ND	230	82	81	1.2	84	83	1.2	30 - 130	30
Acenaphthylene	ND	130	72	70	2.8	73	72	1.4	40 - 140	30
Acetophenone	ND	230	67	67	0.0	70	66	5.9	40 - 140	30
Aniline	ND	330	75	76	1.3	74	71	4.1	40 - 140	30
Anthracene	ND	230	89	83	7.0	86	85	1.2	40 - 140	30
Benz(a)anthracene	ND	230	87	81	7.1	83	83	0.0	40 - 140	30
Benzidine	ND	330	92	103	11.3	77	80	3.8	40 - 140	30
Benzo(a)pyrene	ND	130	92	84	9.1	87	85	2.3	40 - 140	30
Benzo(b)fluoranthene	ND	160	86	78	9.8	81	80	1.2	40 - 140	30
Benzo(ghi)perylene	ND	230	95	86	9.9	86	84	2.4	40 - 140	30
Benzo(k)fluoranthene	ND	230	86	80	7.2	84	80	4.9	40 - 140	30
Benzoic Acid	ND	670	69	84	19.6	68	76	11.1	30 - 130	30
Benzyl butyl phthalate	ND	230	91	82	10.4	84	83	1.2	40 - 140	30
Bis(2-chloroethoxy)methane	ND	230	76	75	1.3	78	72	8.0	40 - 140	30
Bis(2-chloroethyl)ether	ND	130	67	70	4.4	72	66	8.7	40 - 140	30
Bis(2-ethylhexyl)phthalate	ND	230	88	80	9.5	82	81	1.2	40 - 140	30
Carbazole	ND	230	90	84	6.9	86	88	2.3	40 - 140	30
Chrysene	ND	230	83	76	8.8	79	79	0.0	40 - 140	30
Dibenz(a,h)anthracene	ND	130	92	85	7.9	85	81	4.8	40 - 140	30
Dibenzofuran	ND	230	81	78	3.8	81	81	0.0	40 - 140	30
Diethyl phthalate	ND	230	91	85	6.8	86	86	0.0	40 - 140	30
Dimethylphthalate	ND	230	87	83	4.7	85	83	2.4	40 - 140	30
Di-n-butylphthalate	ND	670	91	84	8.0	85	86	1.2	40 - 140	30
Di-n-octylphthalate	ND	230	92	85	7.9	88	87	1.1	40 - 140	30
Fluoranthene	ND	230	89	84	5.8	86	87	1.2	40 - 140	30
Fluorene	ND	230	88	84	4.7	87	87	0.0	40 - 140	30
Hexachlorobenzene	ND	130	87	81	7.1	84	82	2.4	40 - 140	30
Hexachlorobutadiene	ND	230	63	67	6.2	69	64	7.5	40 - 140	30
Hexachlorocyclopentadiene	ND	230	57	60	5.1	57	44	25.7	40 - 140	30
Hexachloroethane	ND	130	56	60	6.9	62	58	6.7	40 - 140	30
Indeno(1,2,3-cd)pyrene	ND	230	88	80	9.5	80	78	2.5	40 - 140	30
Isophorone	ND	130	71	71	0.0	72	70	2.8	40 - 140	30
Naphthalene	ND	230	67	68	1.5	72	67	7.2	40 - 140	30
Nitrobenzene	ND	130	70	72	2.8	76	70	8.2	40 - 140	30
N-Nitrosodimethylamine	ND	230	67	67	0.0	67	63	6.2	40 - 140	30
N-Nitrosodi-n-propylamine	ND	130	74	74	0.0	78	72	8.0	40 - 140	30
N-Nitrosodiphenylamine	ND	130	87	83	4.7	85	85	0.0	40 - 140	30
Pentachloronitrobenzene	ND	230	83	80	3.7	81	80	1.2	40 - 140	30
Pentachlorophenol	ND	230	93	90	3.3	92	92	0.0	30 - 130	30
Phenanthrene	ND	130	88	81	8.3	85	85	0.0	40 - 140	30
Phenol	ND	230	76	74	2.7	81	76	6.4	30 - 130	30
Pyrene	ND	230	87	82	5.9	84	84	0.0	30 - 130	30
Pyridine	ND	230	53	55	3.7	53	50	5.8	40 - 140	30
% 2,4,6-Tribromophenol	82	%	89	82	8.2	87	87	0.0	30 - 130	30
% 2-Fluorobiphenyl	71	%	75	72	4.1	76	74	2.7	30 - 130	30
% 2-Fluorophenol	68	%	68	66	3.0	71	66	7.3	30 - 130	30
% Nitrobenzene-d5	66	%	67	66	1.5	71	67	5.8	30 - 130	30

QA/QC Data

SDG I.D.: GCR97583

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% Phenol-d5	69	%	72	69	4.3	75	71	5.5	30 - 130	30
% Terphenyl-d14	80	%	84	79	6.1	82	80	2.5	30 - 130	30

Comment:

Additional 8270 criteria: 10% 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 756881 (ug/L), QC Sample No: CR97044 (CR97592, CR97593)

Semivolatiles (SIM) - Ground Water

2-Methylnaphthalene	ND	0.50	84	77	8.7				30 - 130	20
Acenaphthene	ND	0.50	87	82	5.9				30 - 130	20
Acenaphthylene	ND	0.50	74	70	5.6				30 - 130	20
Anthracene	ND	0.50	93	87	6.7				30 - 130	20
Benz(a)anthracene	ND	0.50	98	94	4.2				30 - 130	20
Benzo(a)pyrene	ND	0.50	92	85	7.9				30 - 130	20
Benzo(b)fluoranthene	ND	0.50	89	85	4.6				30 - 130	20
Benzo(ghi)perylene	ND	0.50	90	89	1.1				30 - 130	20
Benzo(k)fluoranthene	ND	0.50	99	93	6.3				30 - 130	20
Chrysene	ND	0.50	98	93	5.2				30 - 130	20
Dibenz(a,h)anthracene	ND	0.50	86	84	2.4				30 - 130	20
Fluoranthene	ND	0.50	95	91	4.3				30 - 130	20
Fluorene	ND	0.50	93	88	5.5				30 - 130	20
Hexachlorobenzene	ND	0.50	86	84	2.4				30 - 130	20
Hexachlorobutadiene	ND	0.50	87	84	3.5				30 - 130	20
Hexachlorocyclopentadiene	ND	0.50	27	27	0.0				30 - 130	20
Indeno(1,2,3-cd)pyrene	ND	0.50	77	74	4.0				30 - 130	20
Naphthalene	ND	0.50	84	82	2.4				30 - 130	20
Nitrobenzene	ND	0.50	97	95	2.1				30 - 130	20
N-Nitrosodimethylamine	ND	0.05	79	74	6.5				30 - 130	20
Pentachlorophenol	ND	0.50	84	89	5.8				30 - 130	20
Phenanthrene	ND	0.50	88	83	5.8				30 - 130	20
Pyrene	ND	0.50	93	90	3.3				30 - 130	20
Pyridine	ND	0.50	52	34	41.9				30 - 130	20
% 2,4,6-Tribromophenol	87	%	99	94	5.2				15 - 110	20
% 2-Fluorobiphenyl	79	%	78	74	5.3				30 - 130	20
% 2-Fluorophenol	59	%	58	56	3.5				15 - 110	20
% Nitrobenzene-d5	89	%	90	85	5.7				30 - 130	20
% Phenol-d5	61	%	62	57	8.4				15 - 110	20
% Terphenyl-d14	72	%	75	71	5.5				30 - 130	20

Comment:

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

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

QA/QC Batch 756392 (ug/L), QC Sample No: CR97488 (CR97592, CR97593)

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	1.0	112	126	11.8				70 - 130	20
1,1,1-Trichloroethane	ND	1.0	90	97	7.5				70 - 130	20
1,1,2,2-Tetrachloroethane	ND	0.50	97	104	7.0				70 - 130	20
1,1,2-Trichloroethane	ND	1.0	101	113	11.2				70 - 130	20
1,1-Dichloroethane	ND	1.0	79	85	7.3				70 - 130	20
1,1-Dichloroethene	ND	1.0	75	82	8.9				70 - 130	20
1,1-Dichloropropene	ND	1.0	94	108	13.9				70 - 130	20
1,2,3-Trichlorobenzene	ND	1.0	103	114	10.1				70 - 130	20

QA/QC Data

SDG I.D.: GCR97583

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,2,3-Trichloropropane	ND	1.0	100	109	8.6				70 - 130	20
1,2,4-Trichlorobenzene	ND	1.0	102	112	9.3				70 - 130	20
1,2,4-Trimethylbenzene	ND	1.0	98	111	12.4				70 - 130	20
1,2-Dibromo-3-chloropropane	ND	1.0	118	121	2.5				70 - 130	20
1,2-Dibromoethane	ND	1.0	109	115	5.4				70 - 130	20
1,2-Dichlorobenzene	ND	1.0	96	106	9.9				70 - 130	20
1,2-Dichloroethane	ND	1.0	105	116	10.0				70 - 130	20
1,2-Dichloropropane	ND	1.0	92	103	11.3				70 - 130	20
1,3,5-Trimethylbenzene	ND	1.0	95	111	15.5				70 - 130	20
1,3-Dichlorobenzene	ND	1.0	98	107	8.8				70 - 130	20
1,3-Dichloropropane	ND	1.0	102	109	6.6				70 - 130	20
1,4-Dichlorobenzene	ND	1.0	99	106	6.8				70 - 130	20
2,2-Dichloropropane	ND	1.0	86	95	9.9				70 - 130	20
2-Chlorotoluene	ND	1.0	96	108	11.8				70 - 130	20
2-Hexanone	ND	5.0	98	109	10.6				70 - 130	20
2-Isopropyltoluene	ND	1.0	97	109	11.7				70 - 130	20
4-Chlorotoluene	ND	1.0	97	109	11.7				70 - 130	20
4-Methyl-2-pentanone	ND	5.0	98	114	15.1				70 - 130	20
Acetone	ND	5.0	83	93	11.4				70 - 130	20
Acrylonitrile	ND	5.0	76	83	8.8				70 - 130	20
Benzene	ND	0.70	93	107	14.0				70 - 130	20
Bromobenzene	ND	1.0	100	110	9.5				70 - 130	20
Bromochloromethane	ND	1.0	88	92	4.4				70 - 130	20
Bromodichloromethane	ND	0.50	104	117	11.8				70 - 130	20
Bromoform	ND	1.0	125	137	9.2				70 - 130	20
Bromomethane	ND	1.0	81	86	6.0				70 - 130	20
Carbon Disulfide	ND	1.0	77	82	6.3				70 - 130	20
Carbon tetrachloride	ND	1.0	95	104	9.0				70 - 130	20
Chlorobenzene	ND	1.0	102	112	9.3				70 - 130	20
Chloroethane	ND	1.0	83	86	3.6				70 - 130	20
Chloroform	ND	1.0	85	93	9.0				70 - 130	20
Chloromethane	ND	1.0	92	96	4.3				70 - 130	20
cis-1,2-Dichloroethene	ND	1.0	82	91	10.4				70 - 130	20
cis-1,3-Dichloropropene	ND	0.40	101	118	15.5				70 - 130	20
Dibromochloromethane	ND	0.50	114	126	10.0				70 - 130	20
Dibromomethane	ND	1.0	102	113	10.2				70 - 130	20
Dichlorodifluoromethane	ND	1.0	98	106	7.8				70 - 130	20
Ethylbenzene	ND	1.0	99	109	9.6				70 - 130	20
Hexachlorobutadiene	ND	0.40	97	113	15.2				70 - 130	20
Isopropylbenzene	ND	1.0	96	107	10.8				70 - 130	20
m&p-Xylene	ND	1.0	101	109	7.6				70 - 130	20
Methyl ethyl ketone	ND	5.0	84	92	9.1				70 - 130	20
Methyl t-butyl ether (MTBE)	ND	1.0	87	92	5.6				70 - 130	20
Methylene chloride	ND	1.0	79	84	6.1				70 - 130	20
Naphthalene	ND	1.0	106	116	9.0				70 - 130	20
n-Butylbenzene	ND	1.0	93	103	10.2				70 - 130	20
n-Propylbenzene	ND	1.0	93	105	12.1				70 - 130	20
o-Xylene	ND	1.0	101	114	12.1				70 - 130	20
p-Isopropyltoluene	ND	1.0	97	109	11.7				70 - 130	20
sec-Butylbenzene	ND	1.0	92	103	11.3				70 - 130	20
Styrene	ND	1.0	104	114	9.2				70 - 130	20
tert-Butylbenzene	ND	1.0	93	107	14.0				70 - 130	20
Tetrachloroethene	ND	1.0	96	113	16.3				70 - 130	20

QA/QC Data

SDG I.D.: GCR97583

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Tetrahydrofuran (THF)	ND	2.5	84	90	6.9				70 - 130	20
Toluene	ND	1.0	96	109	12.7				70 - 130	20
trans-1,2-Dichloroethene	ND	1.0	81	84	3.6				70 - 130	20
trans-1,3-Dichloropropene	ND	0.40	112	123	9.4				70 - 130	20
trans-1,4-dichloro-2-butene	ND	5.0	102	113	10.2				70 - 130	20
Trichloroethene	ND	1.0	99	112	12.3				70 - 130	20
Trichlorofluoromethane	ND	1.0	82	88	7.1				70 - 130	20
Trichlorotrifluoroethane	ND	1.0	82	87	5.9				70 - 130	20
Vinyl chloride	ND	1.0	82	88	7.1				70 - 130	20
% 1,2-dichlorobenzene-d4	99	%	97	99	2.0				70 - 130	20
% Bromofluorobenzene	97	%	101	99	2.0				70 - 130	20
% Dibromofluoromethane	93	%	90	86	4.5				70 - 130	20
% Toluene-d8	100	%	100	102	2.0				70 - 130	20

Comment:

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

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

QA/QC Batch 756673 (ug/kg), QC Sample No: CR97584 (CR97583, CR97584, CR97586, CR97588, CR97590, CR97594, CR97596)

Volatiles - Soil (Low Level)

1,1,1,2-Tetrachloroethane	ND	5.0	96	101	5.1				70 - 130	20
1,1,1-Trichloroethane	ND	5.0	91	94	3.2				70 - 130	20
1,1,2,2-Tetrachloroethane	ND	3.0	93	92	1.1				70 - 130	20
1,1,2-Trichloroethane	ND	5.0	96	100	4.1				70 - 130	20
1,1-Dichloroethane	ND	5.0	92	93	1.1				70 - 130	20
1,1-Dichloroethene	ND	5.0	94	94	0.0				70 - 130	20
1,1-Dichloropropene	ND	5.0	104	105	1.0				70 - 130	20
1,2,3-Trichlorobenzene	ND	5.0	100	104	3.9				70 - 130	20
1,2,3-Trichloropropane	ND	5.0	97	103	6.0				70 - 130	20
1,2,4-Trichlorobenzene	ND	5.0	98	99	1.0				70 - 130	20
1,2,4-Trimethylbenzene	ND	1.0	100	99	1.0				70 - 130	20
1,2-Dibromo-3-chloropropane	ND	5.0	89	88	1.1				70 - 130	20
1,2-Dibromoethane	ND	5.0	97	101	4.0				70 - 130	20
1,2-Dichlorobenzene	ND	5.0	101	101	0.0				70 - 130	20
1,2-Dichloroethane	ND	5.0	97	100	3.0				70 - 130	20
1,2-Dichloropropane	ND	5.0	94	98	4.2				70 - 130	20
1,3,5-Trimethylbenzene	ND	1.0	106	103	2.9				70 - 130	20
1,3-Dichlorobenzene	ND	5.0	102	99	3.0				70 - 130	20
1,3-Dichloropropane	ND	5.0	101	102	1.0				70 - 130	20
1,4-Dichlorobenzene	ND	5.0	99	101	2.0				70 - 130	20
2,2-Dichloropropane	ND	5.0	86	88	2.3				70 - 130	20
2-Chlorotoluene	ND	5.0	108	104	3.8				70 - 130	20
2-Hexanone	ND	25	81	80	1.2				70 - 130	20
2-Isopropyltoluene	ND	5.0	110	108	1.8				70 - 130	20
4-Chlorotoluene	ND	5.0	104	103	1.0				70 - 130	20
4-Methyl-2-pentanone	ND	25	89	90	1.1				70 - 130	20
Acetone	ND	10	60	62	3.3				70 - 130	20
Acrylonitrile	ND	5.0	80	79	1.3				70 - 130	20
Benzene	ND	1.0	99	99	0.0				70 - 130	20
Bromobenzene	ND	5.0	108	108	0.0				70 - 130	20
Bromochloromethane	ND	5.0	86	95	9.9				70 - 130	20
Bromodichloromethane	ND	5.0	99	99	0.0				70 - 130	20
Bromoform	ND	5.0	91	92	1.1				70 - 130	20

QA/QC Data

SDG I.D.: GCR97583

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Bromomethane	ND	5.0	100	97	3.0				70 - 130	20
Carbon Disulfide	ND	5.0	95	94	1.1				70 - 130	20
Carbon tetrachloride	ND	5.0	89	102	13.6				70 - 130	20
Chlorobenzene	ND	5.0	100	102	2.0				70 - 130	20
Chloroethane	ND	5.0	98	99	1.0				70 - 130	20
Chloroform	ND	5.0	92	94	2.2				70 - 130	20
Chloromethane	ND	5.0	102	102	0.0				70 - 130	20
cis-1,2-Dichloroethene	ND	5.0	94	93	1.1				70 - 130	20
cis-1,3-Dichloropropene	ND	5.0	97	99	2.0				70 - 130	20
Dibromochloromethane	ND	3.0	96	100	4.1				70 - 130	20
Dibromomethane	ND	5.0	97	96	1.0				70 - 130	20
Dichlorodifluoromethane	ND	5.0	116	111	4.4				70 - 130	20
Ethylbenzene	ND	1.0	101	102	1.0				70 - 130	20
Hexachlorobutadiene	ND	5.0	112	105	6.5				70 - 130	20
Isopropylbenzene	ND	1.0	107	105	1.9				70 - 130	20
m&p-Xylene	ND	2.0	101	102	1.0				70 - 130	20
Methyl ethyl ketone	ND	5.0	76	77	1.3				70 - 130	20
Methyl t-butyl ether (MTBE)	ND	1.0	86	86	0.0				70 - 130	20
Methylene chloride	ND	5.0	76	76	0.0				70 - 130	20
Naphthalene	ND	5.0	98	101	3.0				70 - 130	20
n-Butylbenzene	ND	1.0	107	101	5.8				70 - 130	20
n-Propylbenzene	ND	1.0	107	101	5.8				70 - 130	20
o-Xylene	ND	2.0	99	101	2.0				70 - 130	20
p-Isopropyltoluene	ND	1.0	107	103	3.8				70 - 130	20
sec-Butylbenzene	ND	1.0	109	104	4.7				70 - 130	20
Styrene	ND	5.0	99	100	1.0				70 - 130	20
tert-Butylbenzene	ND	1.0	107	107	0.0				70 - 130	20
Tetrachloroethene	ND	5.0	105	104	1.0				70 - 130	20
Tetrahydrofuran (THF)	ND	5.0	78	77	1.3				70 - 130	20
Toluene	ND	1.0	99	101	2.0				70 - 130	20
trans-1,2-Dichloroethene	ND	5.0	93	92	1.1				70 - 130	20
trans-1,3-Dichloropropene	ND	5.0	94	96	2.1				70 - 130	20
trans-1,4-dichloro-2-butene	ND	5.0	92	87	5.6				70 - 130	20
Trichloroethene	ND	5.0	108	107	0.9				70 - 130	20
Trichlorofluoromethane	ND	5.0	99	96	3.1				70 - 130	20
Trichlorotrifluoroethane	ND	5.0	101	95	6.1				70 - 130	20
Vinyl chloride	ND	5.0	96	97	1.0				70 - 130	20
% 1,2-dichlorobenzene-d4	100	%	100	98	2.0				70 - 130	20
% Bromofluorobenzene	96	%	98	97	1.0				70 - 130	20
% Dibromofluoromethane	90	%	85	89	4.6				70 - 130	20
% Toluene-d8	98	%	99	99	0.0				70 - 130	20

Comment:

The 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%.

QA/QC Batch 756673H (ug/kg), QC Sample No: CR97584 50X (CR97785 (50X))

Volatiles - Soil (High Level)

1,1,1,2-Tetrachloroethane	ND	250	109	107	1.9				70 - 130	20
1,1,1-Trichloroethane	ND	250	96	94	2.1				70 - 130	20
1,1,2,2-Tetrachloroethane	ND	250	109	106	2.8				70 - 130	20
1,1,2-Trichloroethane	ND	250	111	106	4.6				70 - 130	20
1,1-Dichloroethane	ND	250	100	95	5.1				70 - 130	20

QA/QC Data

SDG I.D.: GCR97583

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,1-Dichloroethene	ND	250	99	97	2.0				70 - 130	20
1,1-Dichloropropene	ND	250	115	112	2.6				70 - 130	20
1,2,3-Trichlorobenzene	ND	250	124	121	2.4				70 - 130	20
1,2,3-Trichloropropane	ND	250	115	111	3.5				70 - 130	20
1,2,4-Trichlorobenzene	ND	250	128	124	3.2				70 - 130	20
1,2,4-Trimethylbenzene	ND	250	114	111	2.7				70 - 130	20
1,2-Dibromo-3-chloropropane	ND	250	97	94	3.1				70 - 130	20
1,2-Dibromoethane	ND	250	116	106	9.0				70 - 130	20
1,2-Dichlorobenzene	ND	250	119	117	1.7				70 - 130	20
1,2-Dichloroethane	ND	250	109	106	2.8				70 - 130	20
1,2-Dichloropropane	ND	250	110	105	4.7				70 - 130	20
1,3,5-Trimethylbenzene	ND	250	120	117	2.5				70 - 130	20
1,3-Dichlorobenzene	ND	250	118	115	2.6				70 - 130	20
1,3-Dichloropropane	ND	250	109	108	0.9				70 - 130	20
1,4-Dichlorobenzene	ND	250	121	117	3.4				70 - 130	20
2,2-Dichloropropane	ND	250	87	84	3.5				70 - 130	20
2-Chlorotoluene	ND	250	119	120	0.8				70 - 130	20
2-Hexanone	ND	1300	89	83	7.0				70 - 130	20
2-Isopropyltoluene	ND	250	124	120	3.3				70 - 130	20
4-Chlorotoluene	ND	250	118	120	1.7				70 - 130	20
4-Methyl-2-pentanone	ND	1300	100	94	6.2				70 - 130	20
Acetone	ND	500	51	44	14.7				70 - 130	20
Acrylonitrile	ND	250	90	83	8.1				70 - 130	20
Benzene	ND	250	113	110	2.7				70 - 130	20
Bromobenzene	ND	250	118	116	1.7				70 - 130	20
Bromochloromethane	ND	250	98	98	0.0				70 - 130	20
Bromodichloromethane	ND	250	109	103	5.7				70 - 130	20
Bromoform	ND	250	94	93	1.1				70 - 130	20
Bromomethane	ND	250	98	102	4.0				70 - 130	20
Carbon Disulfide	ND	250	102	98	4.0				70 - 130	20
Carbon tetrachloride	ND	250	92	88	4.4				70 - 130	20
Chlorobenzene	ND	250	118	115	2.6				70 - 130	20
Chloroethane	ND	250	102	100	2.0				70 - 130	20
Chloroform	ND	250	98	98	0.0				70 - 130	20
Chloromethane	ND	250	108	104	3.8				70 - 130	20
cis-1,2-Dichloroethene	ND	250	99	98	1.0				70 - 130	20
cis-1,3-Dichloropropene	ND	250	111	106	4.6				70 - 130	20
Dibromochloromethane	ND	150	105	100	4.9				70 - 130	20
Dibromomethane	ND	250	109	105	3.7				70 - 130	20
Dichlorodifluoromethane	ND	250	124	119	4.1				70 - 130	20
Ethylbenzene	ND	250	114	112	1.8				70 - 130	20
Hexachlorobutadiene	ND	250	136	134	1.5				70 - 130	20
Isopropylbenzene	ND	250	118	117	0.9				70 - 130	20
m&p-Xylene	ND	250	116	113	2.6				70 - 130	20
Methyl ethyl ketone	ND	250	83	80	3.7				70 - 130	20
Methyl t-butyl ether (MTBE)	ND	250	93	89	4.4				70 - 130	20
Methylene chloride	ND	250	79	79	0.0				70 - 130	20
Naphthalene	ND	250	115	112	2.6				70 - 130	20
n-Butylbenzene	ND	250	126	123	2.4				70 - 130	20
n-Propylbenzene	ND	250	119	116	2.6				70 - 130	20
o-Xylene	ND	250	115	111	3.5				70 - 130	20
p-Isopropyltoluene	ND	250	122	121	0.8				70 - 130	20
sec-Butylbenzene	ND	250	123	120	2.5				70 - 130	20

QA/QC Data

SDG I.D.: GCR97583

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Styrene	ND	250	116	111	4.4				70 - 130	20
tert-Butylbenzene	ND	250	118	116	1.7				70 - 130	20
Tetrachloroethene	ND	250	123	119	3.3				70 - 130	20
Tetrahydrofuran (THF)	ND	250	90	88	2.2				70 - 130	20
Toluene	ND	250	115	111	3.5				70 - 130	20
trans-1,2-Dichloroethene	ND	250	100	97	3.0				70 - 130	20
trans-1,3-Dichloropropene	ND	250	108	103	4.7				70 - 130	20
trans-1,4-dichloro-2-butene	ND	250	94	92	2.2				70 - 130	20
Trichloroethene	ND	250	111	113	1.8				70 - 130	20
Trichlorofluoromethane	ND	250	59	58	1.7				70 - 130	20
Trichlorotrifluoroethane	ND	250	95	93	2.1				70 - 130	20
Vinyl chloride	ND	250	100	98	2.0				70 - 130	20
% 1,2-dichlorobenzene-d4	97	%	97	98	1.0				70 - 130	20
% Bromofluorobenzene	97	%	98	98	0.0				70 - 130	20
% Dibromofluoromethane	82	%	87	84	3.5				70 - 130	20
% Toluene-d8	98	%	101	102	1.0				70 - 130	20

Comment:

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

QA/QC Batch 756791 (ug/kg), QC Sample No: CR97602 (CR97602, CR97604)

Volatiles - Soil (Low Level)

1,1,1,2-Tetrachloroethane	ND	5.0	103	111	7.5				70 - 130	20
1,1,1-Trichloroethane	ND	5.0	102	108	5.7				70 - 130	20
1,1,2,2-Tetrachloroethane	ND	3.0	95	106	10.9				70 - 130	20
1,1,2-Trichloroethane	ND	5.0	97	106	8.9				70 - 130	20
1,1-Dichloroethane	ND	5.0	90	97	7.5				70 - 130	20
1,1-Dichloroethene	ND	5.0	88	95	7.7				70 - 130	20
1,1-Dichloropropene	ND	5.0	102	111	8.5				70 - 130	20
1,2,3-Trichlorobenzene	ND	5.0	102	112	9.3				70 - 130	20
1,2,3-Trichloropropane	ND	5.0	94	105	11.1				70 - 130	20
1,2,4-Trichlorobenzene	ND	5.0	108	117	8.0				70 - 130	20
1,2,4-Trimethylbenzene	ND	1.0	103	112	8.4				70 - 130	20
1,2-Dibromo-3-chloropropane	ND	5.0	102	120	16.2				70 - 130	20
1,2-Dibromoethane	ND	5.0	99	109	9.6				70 - 130	20
1,2-Dichlorobenzene	ND	5.0	97	106	8.9				70 - 130	20
1,2-Dichloroethane	ND	5.0	96	105	9.0				70 - 130	20
1,2-Dichloropropane	ND	5.0	99	106	6.8				70 - 130	20
1,3,5-Trimethylbenzene	ND	1.0	106	114	7.3				70 - 130	20
1,3-Dichlorobenzene	ND	5.0	98	107	8.8				70 - 130	20
1,3-Dichloropropane	ND	5.0	100	108	7.7				70 - 130	20
1,4-Dichlorobenzene	ND	5.0	98	107	8.8				70 - 130	20
2,2-Dichloropropane	ND	5.0	107	116	8.1				70 - 130	20
2-Chlorotoluene	ND	5.0	100	109	8.6				70 - 130	20
2-Hexanone	ND	25	95	112	16.4				70 - 130	20
2-Isopropyltoluene	ND	5.0	104	112	7.4				70 - 130	20
4-Chlorotoluene	ND	5.0	100	109	8.6				70 - 130	20
4-Methyl-2-pentanone	ND	25	97	112	14.4				70 - 130	20
Acetone	ND	10	77	88	13.3				70 - 130	20
Acrylonitrile	ND	5.0	85	97	13.2				70 - 130	20
Benzene	ND	1.0	95	102	7.1				70 - 130	20
Bromobenzene	ND	5.0	96	105	9.0				70 - 130	20
Bromochloromethane	ND	5.0	97	106	8.9				70 - 130	20
Bromodichloromethane	ND	5.0	104	112	7.4				70 - 130	20

QA/QC Data

SDG I.D.: GCR97583

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Bromoform	ND	5.0	102	113	10.2				70 - 130	20
Bromomethane	ND	5.0	79	81	2.5				70 - 130	20
Carbon Disulfide	ND	5.0	93	100	7.3				70 - 130	20
Carbon tetrachloride	ND	5.0	98	110	11.5				70 - 130	20
Chlorobenzene	ND	5.0	97	104	7.0				70 - 130	20
Chloroethane	ND	5.0	79	84	6.1				70 - 130	20
Chloroform	ND	5.0	98	106	7.8				70 - 130	20
Chloromethane	ND	5.0	102	113	10.2				70 - 130	20
cis-1,2-Dichloroethene	ND	5.0	98	105	6.9				70 - 130	20
cis-1,3-Dichloropropene	ND	5.0	109	119	8.8				70 - 130	20
Dibromochloromethane	ND	3.0	105	114	8.2				70 - 130	20
Dibromomethane	ND	5.0	96	105	9.0				70 - 130	20
Dichlorodifluoromethane	ND	5.0	91	103	12.4				70 - 130	20
Ethylbenzene	ND	1.0	95	103	8.1				70 - 130	20
Hexachlorobutadiene	ND	5.0	103	113	9.3				70 - 130	20
Isopropylbenzene	ND	1.0	102	111	8.5				70 - 130	20
m&p-Xylene	ND	2.0	97	103	6.0				70 - 130	20
Methyl ethyl ketone	ND	5.0	88	104	16.7				70 - 130	20
Methyl t-butyl ether (MTBE)	ND	1.0	89	100	11.6				70 - 130	20
Methylene chloride	ND	5.0	80	87	8.4				70 - 130	20
Naphthalene	ND	5.0	108	121	11.4				70 - 130	20
n-Butylbenzene	ND	1.0	107	118	9.8				70 - 130	20
n-Propylbenzene	ND	1.0	100	109	8.6				70 - 130	20
o-Xylene	ND	2.0	97	105	7.9				70 - 130	20
p-Isopropyltoluene	ND	1.0	106	116	9.0				70 - 130	20
sec-Butylbenzene	ND	1.0	104	113	8.3				70 - 130	20
Styrene	ND	5.0	99	110	10.5				70 - 130	20
tert-Butylbenzene	ND	1.0	104	111	6.5				70 - 130	20
Tetrachloroethene	ND	5.0	97	105	7.9				70 - 130	20
Tetrahydrofuran (THF)	ND	5.0	92	108	16.0				70 - 130	20
Toluene	ND	1.0	95	101	6.1				70 - 130	20
trans-1,2-Dichloroethene	ND	5.0	90	97	7.5				70 - 130	20
trans-1,3-Dichloropropene	ND	5.0	110	122	10.3				70 - 130	20
trans-1,4-dichloro-2-butene	ND	5.0	110	128	15.1				70 - 130	20
Trichloroethene	ND	5.0	98	106	7.8				70 - 130	20
Trichlorofluoromethane	ND	5.0	85	91	6.8				70 - 130	20
Trichlorotrifluoroethane	ND	5.0	91	99	8.4				70 - 130	20
Vinyl chloride	ND	5.0	95	99	4.1				70 - 130	20
% 1,2-dichlorobenzene-d4	99	%	99	100	1.0				70 - 130	20
% Bromofluorobenzene	100	%	100	101	1.0				70 - 130	20
% Dibromofluoromethane	95	%	101	102	1.0				70 - 130	20
% Toluene-d8	108	%	101	101	0.0				70 - 130	20

Comment:

The 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%.

QA/QC Batch 756804 (ug/kg), QC Sample No: CR98183 (CR97598, CR97600)

Volatiles - Soil (Low Level)

1,1,1,2-Tetrachloroethane	ND	5.0	99	106	6.8	84			70 - 130	20
1,1,1-Trichloroethane	ND	5.0	99	106	6.8	83			70 - 130	20
1,1,2,2-Tetrachloroethane	ND	3.0	85	92	7.9	76			70 - 130	20
1,1,2-Trichloroethane	ND	5.0	93	101	8.2	82			70 - 130	20

QA/QC Data

SDG I.D.: GCR97583

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,1-Dichloroethane	ND	5.0	95	102	7.1	82			70 - 130	20
1,1-Dichloroethene	ND	5.0	97	102	5.0	84			70 - 130	20
1,1-Dichloropropene	ND	5.0	96	104	8.0	84			70 - 130	20
1,2,3-Trichlorobenzene	ND	5.0	96	107	10.8	81			70 - 130	20
1,2,3-Trichloropropane	ND	5.0	91	99	8.4	82			70 - 130	20
1,2,4-Trichlorobenzene	ND	5.0	95	104	9.0	77			70 - 130	20
1,2,4-Trimethylbenzene	ND	1.0	96	103	7.0	84			70 - 130	20
1,2-Dibromo-3-chloropropane	ND	5.0	98	106	7.8	81			70 - 130	20
1,2-Dibromoethane	ND	5.0	94	101	7.2	83			70 - 130	20
1,2-Dichlorobenzene	ND	5.0	95	105	10.0	83			70 - 130	20
1,2-Dichloroethane	ND	5.0	95	103	8.1	82			70 - 130	20
1,2-Dichloropropane	ND	5.0	95	103	8.1	85			70 - 130	20
1,3,5-Trimethylbenzene	ND	1.0	97	104	7.0	85			70 - 130	20
1,3-Dichlorobenzene	ND	5.0	94	102	8.2	82			70 - 130	20
1,3-Dichloropropane	ND	5.0	92	99	7.3	83			70 - 130	20
1,4-Dichlorobenzene	ND	5.0	96	104	8.0	82			70 - 130	20
2,2-Dichloropropane	ND	5.0	104	110	5.6	82			70 - 130	20
2-Chlorotoluene	ND	5.0	96	104	8.0	85			70 - 130	20
2-Hexanone	ND	25	87	93	6.7	82			70 - 130	20
2-Isopropyltoluene	ND	5.0	101	108	6.7	88			70 - 130	20
4-Chlorotoluene	ND	5.0	96	105	9.0	85			70 - 130	20
4-Methyl-2-pentanone	ND	25	88	99	11.8	79			70 - 130	20
Acetone	ND	10	71	82	14.4	85			70 - 130	20
Acrylonitrile	ND	5.0	89	95	6.5	77			70 - 130	20
Benzene	ND	1.0	92	101	9.3	83			70 - 130	20
Bromobenzene	ND	5.0	96	103	7.0	86			70 - 130	20
Bromochloromethane	ND	5.0	92	99	7.3	80			70 - 130	20
Bromodichloromethane	ND	5.0	101	111	9.4	84			70 - 130	20
Bromoform	ND	5.0	102	113	10.2	79			70 - 130	20
Bromomethane	ND	5.0	99	104	4.9	88			70 - 130	20
Carbon Disulfide	ND	5.0	99	104	4.9	81			70 - 130	20
Carbon tetrachloride	ND	5.0	101	111	9.4	82			70 - 130	20
Chlorobenzene	ND	5.0	94	101	7.2	83			70 - 130	20
Chloroethane	ND	5.0	101	108	6.7	88			70 - 130	20
Chloroform	ND	5.0	93	101	8.2	96			70 - 130	20
Chloromethane	ND	5.0	104	109	4.7	91			70 - 130	20
cis-1,2-Dichloroethene	ND	5.0	93	99	6.3	81			70 - 130	20
cis-1,3-Dichloropropene	ND	5.0	100	111	10.4	85			70 - 130	20
Dibromochloromethane	ND	3.0	103	113	9.3	86			70 - 130	20
Dibromomethane	ND	5.0	94	104	10.1	83			70 - 130	20
Dichlorodifluoromethane	ND	5.0	103	105	1.9	84			70 - 130	20
Ethylbenzene	ND	1.0	95	102	7.1	84			70 - 130	20
Hexachlorobutadiene	ND	5.0	103	111	7.5	81			70 - 130	20
Isopropylbenzene	ND	1.0	98	105	6.9	87			70 - 130	20
m&p-Xylene	ND	2.0	94	101	7.2	83			70 - 130	20
Methyl ethyl ketone	ND	5.0	83	92	10.3	74			70 - 130	20
Methyl t-butyl ether (MTBE)	ND	1.0	90	98	8.5	79			70 - 130	20
Methylene chloride	ND	5.0	86	92	6.7	76			70 - 130	20
Naphthalene	ND	5.0	95	106	10.9	85			70 - 130	20
n-Butylbenzene	ND	1.0	102	110	7.5	84			70 - 130	20
n-Propylbenzene	ND	1.0	99	107	7.8	86			70 - 130	20
o-Xylene	ND	2.0	94	102	8.2	85			70 - 130	20
p-Isopropyltoluene	ND	1.0	100	108	7.7	86			70 - 130	20

QA/QC Data

SDG I.D.: GCR97583

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
sec-Butylbenzene	ND	1.0	97	104	7.0	84			70 - 130	20
Styrene	ND	5.0	95	101	6.1	83			70 - 130	20
tert-Butylbenzene	ND	1.0	99	106	6.8	87			70 - 130	20
Tetrachloroethene	ND	5.0	100	108	7.7	84			70 - 130	20
Tetrahydrofuran (THF)	ND	5.0	87	95	8.8	75			70 - 130	20
Toluene	ND	1.0	93	102	9.2	82			70 - 130	20
trans-1,2-Dichloroethene	ND	5.0	101	110	8.5	81			70 - 130	20
trans-1,3-Dichloropropene	ND	5.0	102	114	11.1	86			70 - 130	20
trans-1,4-dichloro-2-butene	ND	5.0	109	118	7.9	88			70 - 130	20
Trichloroethene	ND	5.0	98	106	7.8	85			70 - 130	20
Trichlorofluoromethane	ND	5.0	103	108	4.7	84			70 - 130	20
Trichlorotrifluoroethane	ND	5.0	103	107	3.8	84			70 - 130	20
Vinyl chloride	ND	5.0	97	103	6.0	83			70 - 130	20
% 1,2-dichlorobenzene-d4	95	%	101	101	0.0	100			70 - 130	20
% Bromofluorobenzene	96	%	97	96	1.0	97			70 - 130	20
% Dibromofluoromethane	97	%	102	101	1.0	97			70 - 130	20
% Toluene-d8	91	%	99	100	1.0	99			70 - 130	20

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%.

QA/QC Batch 756804H (ug/kg), QC Sample No: CR98183 50X (CR97604 (50X))

Volatiles - Soil (High Level)

1,1,2,2-Tetrachloroethane	ND	250	94	92	2.2	92	96	4.3	70 - 130	20
1,2,3-Trichlorobenzene	ND	250	116	116	0.0	108	114	5.4	70 - 130	20
1,2,3-Trichloropropane	ND	250	102	101	1.0	99	104	4.9	70 - 130	20
1,2,4-Trichlorobenzene	ND	250	114	114	0.0	106	111	4.6	70 - 130	20
1,2,4-Trimethylbenzene	ND	250	115	114	0.9	109	114	4.5	70 - 130	20
1,2-Dibromo-3-chloropropane	ND	250	106	103	2.9	95	103	8.1	70 - 130	20
1,2-Dichlorobenzene	ND	250	114	112	1.8	107	113	5.5	70 - 130	20
1,3,5-Trimethylbenzene	ND	250	115	115	0.0	111	116	4.4	70 - 130	20
1,3-Dichlorobenzene	ND	250	113	112	0.9	106	112	5.5	70 - 130	20
1,4-Dichlorobenzene	ND	250	115	115	0.0	108	114	5.4	70 - 130	20
2-Chlorotoluene	ND	250	115	114	0.9	111	115	3.5	70 - 130	20
2-Isopropyltoluene	ND	250	120	120	0.0	115	122	5.9	70 - 130	20
4-Chlorotoluene	ND	250	116	116	0.0	110	115	4.4	70 - 130	20
Bromobenzene	ND	250	114	112	1.8	108	113	4.5	70 - 130	20
Hexachlorobutadiene	ND	250	127	127	0.0	120	129	7.2	70 - 130	20
Isopropylbenzene	ND	250	117	115	1.7	113	119	5.2	70 - 130	20
Naphthalene	ND	250	111	111	0.0	108	114	5.4	70 - 130	20
n-Butylbenzene	ND	250	127	126	0.8	120	126	4.9	70 - 130	20
n-Propylbenzene	ND	250	118	117	0.9	115	120	4.3	70 - 130	20
p-Isopropyltoluene	ND	250	121	121	0.0	117	121	3.4	70 - 130	20
sec-Butylbenzene	ND	250	116	116	0.0	112	117	4.4	70 - 130	20
tert-Butylbenzene	ND	250	117	116	0.9	112	118	5.2	70 - 130	20
trans-1,4-dichloro-2-butene	ND	250	121	116	4.2	105	114	8.2	70 - 130	20
% 1,2-dichlorobenzene-d4	93	%	101	100	1.0	100	100	0.0	70 - 130	20
% Bromofluorobenzene	96	%	94	95	1.1	97	96	1.0	70 - 130	20
% Dibromofluoromethane	89	%	97	94	3.1	93	95	2.1	70 - 130	20
% Toluene-d8	92	%	100	100	0.0	100	100	0.0	70 - 130	20

Comment:

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

QA/QC Data

SDG I.D.: GCR97583

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 756860H (ug/kg), QC Sample No: CR98488 50X (CR97586 (50X))										
Volatiles - Soil (High Level)										
1,1,2,2-Tetrachloroethane	ND	250	107	105	1.9	95	109	13.7	70 - 130	20
1,2,3-Trichlorobenzene	ND	250	122	123	0.8	111	120	7.8	70 - 130	20
1,2,3-Trichloropropane	ND	250	97	109	11.7	84	102	19.4	70 - 130	20
1,2,4-Trichlorobenzene	ND	250	127	124	2.4	113	123	8.5	70 - 130	20
1,2,4-Trimethylbenzene	ND	250	116	112	3.5	103	112	8.4	70 - 130	20
1,2-Dibromo-3-chloropropane	ND	250	88	88	0.0	75	86	13.7	70 - 130	20
1,2-Dichlorobenzene	ND	250	115	114	0.9	104	114	9.2	70 - 130	20
1,3,5-Trimethylbenzene	ND	250	121	119	1.7	108	118	8.8	70 - 130	20
1,3-Dichlorobenzene	ND	250	118	116	1.7	104	114	9.2	70 - 130	20
1,4-Dichlorobenzene	ND	250	117	118	0.9	105	113	7.3	70 - 130	20
2-Chlorotoluene	ND	250	118	114	3.4	105	116	10.0	70 - 130	20
2-Isopropyltoluene	ND	250	124	121	2.4	109	120	9.6	70 - 130	20
4-Chlorotoluene	ND	250	116	114	1.7	104	114	9.2	70 - 130	20
Bromobenzene	ND	250	118	117	0.9	107	115	7.2	70 - 130	20
Hexachlorobutadiene	ND	250	142	138	2.9	125	136	8.4	70 - 130	20
Isopropylbenzene	ND	250	115	113	1.8	105	113	7.3	70 - 130	20
Naphthalene	ND	250	108	111	2.7	99	112	12.3	70 - 130	20
n-Butylbenzene	ND	250	131	127	3.1	117	127	8.2	70 - 130	20
n-Propylbenzene	ND	250	118	115	2.6	107	113	5.5	70 - 130	20
p-Isopropyltoluene	ND	250	124	122	1.6	112	120	6.9	70 - 130	20
sec-Butylbenzene	ND	250	122	119	2.5	109	120	9.6	70 - 130	20
tert-Butylbenzene	ND	250	120	116	3.4	108	115	6.3	70 - 130	20
trans-1,4-dichloro-2-butene	ND	250	83	83	0.0	66	79	17.9	70 - 130	20
% 1,2-dichlorobenzene-d4	96	%	100	97	3.0	98	98	0.0	70 - 130	20
% Bromofluorobenzene	97	%	100	101	1.0	101	100	1.0	70 - 130	20
% Dibromofluoromethane	82	%	87	83	4.7	84	82	2.4	70 - 130	20
% Toluene-d8	100	%	101	100	1.0	103	101	2.0	70 - 130	20

Comment:

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

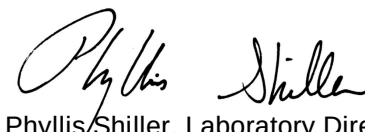
l = This parameter is outside laboratory LCS/LCSD specified recovery limits.

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

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

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

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


 Phyllis Shiller, Laboratory Director
 November 12, 2024

Tuesday, November 12, 2024

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

State: NY

Sample Criteria Exceedances Report

GCR97583 - GALLI-ENG

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CR97585	\$PESTSM_NY	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	5.8	3.8	5	5	ug/Kg
CR97585	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	0.98	0.03	0.81	0.81	mg/Kg
CR97585	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	0.98	0.03	0.81	0.81	mg/Kg
CR97585	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.98	0.03	0.18	0.18	mg/Kg
CR97585	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	258	0.41	63	63	mg/Kg
CR97587	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	101	0.7	50	50	mg/kg
CR97587	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	218	0.36	63	63	mg/Kg
CR97587	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	213	0.7	109	109	mg/Kg
CR97589	\$PESTSM_NY	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	7.6	3.7	5	5	ug/Kg
CR97589	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	265	0.7	50	50	mg/kg
CR97589	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	202	0.36	63	63	mg/Kg
CR97591	\$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	17	2.5	3.3	3.3	ug/Kg
CR97591	\$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	10	2.5	3.3	3.3	ug/Kg
CR97591	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	72.1	0.9	50	50	mg/kg
CR97591	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.30	0.03	0.18	0.18	mg/Kg
CR97591	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	368	0.44	63	63	mg/Kg
CR97591	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	191	0.9	109	109	mg/Kg
CR97592	\$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CR97592	\$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CR97592	\$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CR97592	\$8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	4.5	0.02	0.002	0.002	ug/L
CR97592	\$8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	4.2	0.02	0.002	0.002	ug/L
CR97592	\$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	2.5	0.02	0.002	0.002	ug/L
CR97592	\$8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	4.3	0.02	0.002	0.002	ug/L
CR97592	\$8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	3.5	0.02	0.002	0.002	ug/L
CR97592	\$8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	3.6	0.02	0.002	0.002	ug/L
CR97592	\$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	2.5	0.02	0.002	0.002	ug/L
CR97592	\$8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	4.5	0.02	0.002	0.002	ug/L
CR97592	\$8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	3.5	0.02	0.002	0.002	ug/L
CR97592	\$8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	4.2	0.02	0.002	0.002	ug/L
CR97592	\$8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	3.6	0.02	0.002	0.002	ug/L
CR97592	\$PEST_GAWN	Heptachlor epoxide	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.049	0.01	0.01	ug/L
CR97592	\$PEST_GAWN	4,4' -DDD	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.019	0.01	0.01	ug/L
CR97592	\$PEST_GAWN	4,4' -DDE	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.019	0.01	0.01	ug/L
CR97592	\$PEST_GAWN	4,4' -DDT	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.019	0.01	0.01	ug/L
CR97592	\$PEST_GAWN	Aldrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.019	0.01	0.01	ug/L
CR97592	\$PEST_GAWN	Chlordane	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.19	0.1	0.1	ug/L
CR97592	\$PEST_GAWN	Dieldrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.019	0.01	0.01	ug/L
CR97592	\$PEST_GAWN	Endrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.049	0.01	0.01	ug/L

Tuesday, November 12, 2024

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

State: NY

Sample Criteria Exceedances Report

GCR97583 - GALLI-ENG

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CR97592	\$PEST_GAWN	Heptachlor	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.049	0.01	0.01	ug/L
CR97592	\$PEST_GAWN	Heptachlor epoxide	NY / TOGS - Water Quality / GA Criteria	ND	0.049	0.03	0.03	ug/L
CR97592	\$PEST_GAWN	Heptachlor	NY / TOGS - Water Quality / GA Criteria	ND	0.049	0.04	0.04	ug/L
CR97592	\$PEST_GAWN	Chlordane	NY / TOGS - Water Quality / GA Criteria	ND	0.19	0.05	0.05	ug/L
CR97592	\$PEST_GAWN	a-BHC	NY / TOGS - Water Quality / GA Criteria	ND	0.019	0.01	0.01	ug/L
CR97592	\$PEST_GAWN	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	1.9	0.06	0.06	ug/L
CR97592	\$PEST_GAWN	Dieldrin	NY / TOGS - Water Quality / GA Criteria	ND	0.019	0.004	0.004	ug/L
CR97592	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	88.6	0.020	0.1	0.1	mg/L
CR97592	AS-WM	Arsenic	NY / TOGS - Water Quality / GA Criteria	0.139	0.004	0.025	0.025	mg/L
CR97592	BA-WM	Barium	NY / TOGS - Water Quality / GA Criteria	1.52	0.002	1	1	mg/L
CR97592	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.213	0.001	0.05	0.05	mg/L
CR97592	CU-WM	Copper	NY / TOGS - Water Quality / GA Criteria	1.19	0.005	0.2	0.2	mg/L
CR97592	D-MG	Magnesium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	902	1.1	35	35	mg/L
CR97592	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	7080	110	20	20	mg/L
CR97592	FE-WM	Iron	NY / TOGS - Water Quality / GA Criteria	225	0.10	0.3	0.3	mg/L
CR97592	HG-WM	Mercury	NY / TOGS - Water Quality / GA Criteria	0.0015	0.0002	0.0007	0.0007	mg/L
CR97592	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	944	1.0	35	35	mg/L
CR97592	MN-WM	Manganese	NY / TOGS - Water Quality / GA Criteria	1.84	0.010	0.3	0.3	mg/L
CR97592	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	7750	100	20	20	mg/L
CR97592	NI-WM	Nickel	NY / TOGS - Water Quality / GA Criteria	0.150	0.001	0.1	0.1	mg/L
CR97592	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	2.88	0.001	0.025	0.025	mg/L
CR97592	SB-WM	Antimony	NY / TOGS - Water Quality / GA Criteria	0.029	0.003	0.003	0.003	mg/L
CR97593	\$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CR97593	\$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CR97593	\$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CR97593	\$8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.28	0.02	0.002	0.002	ug/L
CR97593	\$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.27	0.02	0.002	0.002	ug/L
CR97593	\$8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.24	0.02	0.002	0.002	ug/L
CR97593	\$8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.24	0.02	0.002	0.002	ug/L
CR97593	\$8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.30	0.02	0.002	0.002	ug/L
CR97593	\$8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.24	0.02	0.002	0.002	ug/L
CR97593	\$8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.28	0.02	0.002	0.002	ug/L
CR97593	\$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	0.27	0.02	0.002	0.002	ug/L
CR97593	\$8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.24	0.02	0.002	0.002	ug/L
CR97593	\$8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.24	0.02	0.002	0.002	ug/L
CR97593	\$8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.24	0.02	0.002	0.002	ug/L
CR97593	\$PEST_GAWN	Chlordane	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.98	0.1	0.1	ug/L
CR97593	\$PEST_GAWN	Endosulfan Sulfate	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.25	0.1	0.1	ug/L
CR97593	\$PEST_GAWN	Heptachlor epoxide	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.25	0.01	0.01	ug/L
CR97593	\$PEST_GAWN	Endosulfan II	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.25	0.1	0.1	ug/L
CR97593	\$PEST_GAWN	Endosulfan I	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.25	0.1	0.1	ug/L

Tuesday, November 12, 2024

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

Sample Criteria Exceedances Report

GCR97583 - GALLI-ENG

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CR97593	\$PEST_GAWN	Dieldrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.098	0.01	0.01	ug/L
CR97593	\$PEST_GAWN	d-BHC	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.098	0.05	0.05	ug/L
CR97593	\$PEST_GAWN	Endrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.25	0.01	0.01	ug/L
CR97593	\$PEST_GAWN	4,4' -DDE	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.098	0.01	0.01	ug/L
CR97593	\$PEST_GAWN	Heptachlor	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.25	0.01	0.01	ug/L
CR97593	\$PEST_GAWN	4,4' -DDD	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.098	0.01	0.01	ug/L
CR97593	\$PEST_GAWN	4,4' -DDT	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.098	0.01	0.01	ug/L
CR97593	\$PEST_GAWN	a-BHC	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.098	0.05	0.05	ug/L
CR97593	\$PEST_GAWN	Aldrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.098	0.01	0.01	ug/L
CR97593	\$PEST_GAWN	b-BHC	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.098	0.05	0.05	ug/L
CR97593	\$PEST_GAWN	Dieldrin	NY / TOGS - Water Quality / GA Criteria	ND	0.098	0.004	0.004	ug/L
CR97593	\$PEST_GAWN	a-BHC	NY / TOGS - Water Quality / GA Criteria	ND	0.098	0.01	0.01	ug/L
CR97593	\$PEST_GAWN	d-BHC	NY / TOGS - Water Quality / GA Criteria	ND	0.098	0.04	0.04	ug/L
CR97593	\$PEST_GAWN	b-BHC	NY / TOGS - Water Quality / GA Criteria	ND	0.098	0.04	0.04	ug/L
CR97593	\$PEST_GAWN	Chlordane	NY / TOGS - Water Quality / GA Criteria	ND	0.98	0.05	0.05	ug/L
CR97593	\$PEST_GAWN	Heptachlor epoxide	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.03	0.03	ug/L
CR97593	\$PEST_GAWN	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	9.8	0.06	0.06	ug/L
CR97593	\$PEST_GAWN	Heptachlor	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CR97593	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	42.3	0.020	0.1	0.1	mg/L
CR97593	AS-WM	Arsenic	NY / TOGS - Water Quality / GA Criteria	0.100	0.004	0.025	0.025	mg/L
CR97593	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.081	0.001	0.05	0.05	mg/L
CR97593	D-MG	Magnesium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	428	0.11	35	35	mg/L
CR97593	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	3590	11	20	20	mg/L
CR97593	FE-WM	Iron	NY / TOGS - Water Quality / GA Criteria	69.6	0.10	0.3	0.3	mg/L
CR97593	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	446	0.10	35	35	mg/L
CR97593	MN-WM	Manganese	NY / TOGS - Water Quality / GA Criteria	1.06	0.010	0.3	0.3	mg/L
CR97593	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	3650	10	20	20	mg/L
CR97593	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.263	0.001	0.025	0.025	mg/L
CR97595	\$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	3.7	2.2	3.3	3.3	ug/Kg
CR97595	\$PESTSM_NY	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	17	3.6	5	5	ug/Kg
CR97597	\$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	45	2.3	3.3	3.3	ug/Kg
CR97597	\$PESTSM_NY	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	8.7	3.9	5	5	ug/Kg
CR97599	\$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	18	2.4	3.3	3.3	ug/Kg
CR97599	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	63.2	0.8	50	50	mg/kg
CR97599	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	183	0.42	63	63	mg/Kg
CR97603	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	142	0.37	63	63	mg/Kg
CR97603	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	310	0.7	109	109	mg/Kg
CR97605	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.21	0.03	0.18	0.18	mg/Kg

Tuesday, November 12, 2024

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

Sample Criteria Exceedances Report
GCR97583 - GALLI-ENG

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CR97605	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	206	0.7	109	109	mg/Kg
CR97785	\$8260MER	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	25	20	20	ug/Kg
CR97785	\$8260MER	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	25	20	20	ug/Kg
CR97785	\$8260MER	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	50	50	ug/Kg
CR97785	\$8260MER	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	100	50	50	ug/Kg

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



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Analysis Comments

November 12, 2024

SDG I.D.: GCR97583

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

ETPH Narration

AU-FID1 11/01/24-1: CR97591, CR97603, CR97605

The following Continuing Calibration compounds did not meet % deviation criteria:

Samples: CR97591, CR97603, CR97605

Preceding CC N01A016 - None.

Succeeding CC N01A028 - % COD (surr) 34%L (30%)

The ETPH method allows for one discrimination check standard outlier.

AU-FID21 11/01/24-1: CR97585, CR97587, CR97589, CR97595, CR97597, CR97599, CR97601

The following Continuing Calibration compounds did not meet % deviation criteria:

Samples: CR97585, CR97587, CR97589, CR97597

Preceding CC N01A003 - None.

Succeeding CC N01A016 - DRO (C10-C28) 32%H (30%)

Samples: CR97595, CR97599, CR97601

Preceding CC N01A016 - DRO (C10-C28) 32%H (30%)

Succeeding CC N01A028 - DRO (C10-C28) 31%H (30%)

The ETPH method allows for one discrimination check standard outlier.

Herbicide Narration

AU-ECD12 11/07/24-1: CR97591, CR97595, CR97597

The following Continuing Calibration compounds did not meet % deviation criteria:

Samples: CR97591, CR97595, CR97597

Preceding CC N07B027 - Dalapon (1) 21%H (20%)

Succeeding CC N07B039 - None.

ICP Metals Narration

ARCOS-4 11/04/24 09:47 CR97592, CR97593

The following Continuing Calibration Verification (CCV) compounds did not meet criteria:

CCV 11/05/24 06:52: Thallium 113% (90-110) CR97592, CR97593

CCV 11/05/24 07:24: Thallium 117% (90-110) CR97592, CR97593

Additional criteria for CCV; Sodium and Potassium are poor performing elements, the laboratory's in-house limits are 85-115% (CCV).

PCB Narration

AU-ECD29 11/05/24-1: CR97591

The following Continuing Calibration compounds did not meet % deviation criteria:

Samples: CR97591

Preceding CC N05B005 - None.

Succeeding CC N05B020 - DCBP SURR 30%L (20%), PCB 1260 38%L (%)

PEST Narration

AU-ECD33 11/05/24-1: CR97592, CR97603, CR97605



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Analysis Comments

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SDG I.D.: GCR97583

The following Continuing Calibration compounds did not meet % deviation criteria:

Samples: CR97603, CR97605

Preceding CC N05B051 - Methoxychlor 22%L (20%)

Succeeding CC N05B064 - Methoxychlor 22%L (20%)

A low "1A" standard was run after the samples to demonstrate capability to detect any compounds outside of the CC acceptance criteria. All reported samples were ND for the affected compounds.

AU-ECD35 11/04/24-1: CR97587, CR97595

The following Continuing Calibration compounds did not meet % deviation criteria:

Samples: CR97587

Preceding CC N04B004 - Endrin aldehyde 21%L (20%), Heptachlor epoxide 25%L (20%)

Succeeding CC N04B020 - Heptachlor epoxide 22%L (20%)

A low "1A" standard was run after the samples to demonstrate capability to detect any compounds outside of the CC acceptance criteria. All reported samples were ND for the affected compounds.

Samples: CR97595

Preceding CC N04B020 - Heptachlor epoxide 22%L (20%)

Succeeding CC N04B027 - Heptachlor epoxide 21%L (20%)

A low "1A" standard was run after the samples to demonstrate capability to detect any compounds outside of the CC acceptance criteria. All reported samples were ND for the affected compounds.

AU-ECD35 11/05/24-1: CR97593, CR97597, CR97599, CR97601

The following Continuing Calibration compounds did not meet % deviation criteria:

Samples: CR97597, CR97599, CR97601

Preceding CC N05B054 - Heptachlor epoxide 21%L (20%)

Succeeding CC N05B069 - Heptachlor epoxide 23%L (20%)

A low "1A" standard was run after the samples to demonstrate capability to detect any compounds outside of the CC acceptance criteria. All reported samples were ND for the affected compounds.

Samples: CR97593

Preceding CC N05B069 - Heptachlor epoxide 23%L (20%)

Succeeding CC N05B085 - Heptachlor epoxide 23%L (20%)

A low "1A" standard was run after the samples to demonstrate capability to detect any compounds outside of the CC acceptance criteria. All reported samples were ND for the affected compounds.

AU-ECD4 11/04/24-1: CR97585, CR97589, CR97591

The following Continuing Calibration compounds did not meet % deviation criteria:

Samples: CR97589, CR97591

Preceding CC N04A004 - % DCBP 27%L (20%)

Succeeding CC N04A020 - % DCBP 41%L (20%), 4,4'-DDE 24%L (20%), Endosulfan sulfate 25%L (20%), Endrin Ketone 25%L (20%), Methoxychlor 26%L (20%)

A low "1A" standard was run after the samples to demonstrate capability to detect any compounds outside of the CC acceptance criteria. All reported samples were ND for the affected compounds.

Samples: CR97585

Preceding CC N04A020 - % DCBP 41%L (20%), 4,4'-DDE 24%L (20%), Endosulfan sulfate 25%L (20%), Endrin Ketone 25%L (20%), Methoxychlor 26%L (20%)

Succeeding CC N04A027 - % DCBP 46%L (20%), % TCMX 23%L (20%), 4,4'-DDD 28%L (20%), 4,4'-DDE 37%L (20%), 4,4'-DDT 27%L (20%), A-CHLORDANE 26%L (20%), Endosulfan II 23%L (20%), Endosulfan sulfate 29%L (20%), Endrin Ketone 29%L (20%), Methoxychlor 34%L (20%)

A low "1A" standard was run after the samples to demonstrate capability to detect any compounds outside of the CC acceptance criteria. All reported samples were ND for the affected compounds.

Samples: CR97589, CR97591

Preceding CC N04B004 - None.

Succeeding CC N04B020 - Methoxychlor 24%L (20%)

A low "1A" standard was run after the samples to demonstrate capability to detect any compounds outside of the CC acceptance criteria. All reported samples were ND for the affected compounds.

Samples: CR97585

Preceding CC N04B020 - Methoxychlor 24%L (20%)

Succeeding CC N04B027 - 4,4'-DDD 23%L (20%), d-BHC 21%L (20%), Methoxychlor 27%L (20%)

A low "1A" standard was run after the samples to demonstrate capability to detect any compounds outside of the CC acceptance criteria. All reported samples were ND for the affected compounds.



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Analysis Comments

November 12, 2024

SDG I.D.: GCR97583

SVOA Narration

CHEM06 11/07/24-1: CR97592, CR97593

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 0.082 (0.1)

The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet % deviation criteria: 3&4-Methylphenol (m&p-cresol) 22%H (20%)

The following Continuing Calibration compounds did not meet Maximum % deviation criteria: None.

The following Continuing Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.079 (0.1)

The following Continuing Calibration compounds did not meet minimum response factors: None.

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

CHEM29 11/01/24-1: CR97585, CR97587, CR97589

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 0.085 (0.1), Hexachlorobenzene 0.088 (0.1)

The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet % deviation criteria: 1,2,4,5-Tetrachlorobenzene 22%L (20%), 3,3'-Dichlorobenzidine 30%L (20%), Azobenzene 21%L (20%), Benzo(ghi)perylene 29%H (20%), Indeno(1,2,3-cd)pyrene 23%H (20%), Pentachloronitrobenzene 24%L (20%)

The following Continuing Calibration compounds did not meet Maximum % deviation criteria: None.

The following Continuing Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.074 (0.1), Hexachlorobenzene 0.080 (0.1)

The following Continuing Calibration compounds did not meet minimum response factors: None.

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

CHEM36 11/04/24-1: CR97591, CR97595, CR97597, CR97599, CR97601, CR97603, CR97605

The following Continuing Calibration compounds did not meet % deviation criteria: Benzoic acid 22%H (20%)

The following Continuing Calibration compounds did not meet Maximum % deviation criteria: None.

The following Continuing Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.095 (0.1)

The following Continuing Calibration compounds did not meet minimum response factors: None.

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

VOA Narration

CHEM03 11/02/24-1: CR97602, CR97604



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



Analysis Comments

November 12, 2024

SDG I.D.: GCR97583

The following Initial Calibration compounds did not meet RSD% criteria: 1,2-Dibromo-3-chloropropane 23% (20%), Bromoform 25% (20%), Bromomethane 26% (20%), trans-1,3-Dichloropropene 22% (20%), trans-1,4-dichloro-2-butene 35% (20%)

The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

The following Initial Calibration compounds did not meet recommended response factors: 1,1,2-Trichloroethane 0.176 (0.2), Bromodichloromethane 0.266 (0.3), trans-1,3-Dichloropropene 0.267 (0.3)

The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet % deviation criteria: Acetone 23%L (20%), Bromomethane 34%L (20%), Chloroethane 28%L (20%), Chloromethane 27%L (20%), Dichlorodifluoromethane 30%L (20%), Trichlorofluoromethane 22%L (20%)

The following Continuing Calibration compounds did not meet Maximum % deviation criteria: None.

The following Continuing Calibration compounds did not meet recommended response factors: 1,1,2-Trichloroethane 0.166 (0.2), 1,2-Dichloropropane 0.193 (0.2), Bromodichloromethane 0.261 (0.3), Ethylbenzene 0.393 (0.4), trans-1,3-Dichloropropene 0.278 (0.3)

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%.

CHEM15 10/31/24-2: CR97592, CR97593

The following Initial Calibration compounds did not meet RSD% criteria: Bromoform 21% (20%), trans-1,4-dichloro-2-butene 23% (20%)

The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

The following Continuing Calibration compounds did not meet % deviation criteria: Acrylonitrile 25%L (20%), Bromoform 26%H (20%), Bromomethane 24%L (20%), Dichlorodifluoromethane 26%L (20%)

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%.

CHEM18 11/04/24-1: CR97598, CR97600, CR97604

The following Initial Calibration compounds did not meet RSD% criteria: 1,2-Dibromo-3-chloropropane 22% (20%), Acetone 31% (20%), Bromoform 21% (20%), trans-1,4-dichloro-2-butene 28% (20%)

The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

The following Initial Calibration compounds did not meet recommended response factors: 1,1,2-Trichloroethane 0.198 (0.2), Bromoform 0.094 (0.1), Dibromochloromethane 0.198 (0.2), trans-1,3-Dichloropropene 0.293 (0.3)

The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet % deviation criteria: Acetone 26%L (20%)

The following Continuing Calibration compounds did not meet Maximum % deviation criteria: None.

The following Continuing Calibration compounds did not meet recommended response factors: 1,1,2-Trichloroethane 0.190 (0.2)

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%.

CHEM31 11/01/24-2: CR97583, CR97584, CR97586, CR97588, CR97590, CR97594, CR97596, CR97785



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



Analysis Comments

November 12, 2024

SDG I.D.: GCR97583

The following Initial Calibration compounds did not meet RSD% criteria: Acetone 39% (20%), Methylene chloride 21% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.
The following Initial Calibration compounds did not meet recommended response factors: 1,1,2-Trichloroethane 0.168 (0.2), 1,2-Dibromoethane 0.187 (0.2), Ethylbenzene 0.392 (0.4)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet % deviation criteria: Acetone 36%L (20%), Methylene chloride 23%L (20%), Tetrahydrofuran (THF) 22%L (20%)
The following Continuing Calibration compounds did not meet Maximum % deviation criteria: None.
The following Continuing Calibration compounds did not meet recommended response factors: 1,1,2-Trichloroethane 0.165 (0.2), 1,2-Dibromoethane 0.189 (0.2), Ethylbenzene 0.397 (0.4)
The following Continuing Calibration compounds did not meet minimum response factors: None.

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

CHEM31 11/04/24-1: CR97586

The following Continuing Calibration compounds did not meet % deviation criteria: 1,2-Dibromo-3-chloropropane 22%L (20%), trans-1,4-dichloro-2-butene 32%L (20%)
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



NY Temperature Narration

November 12, 2024

SDG I.D.: GCR97583

The samples in this delivery group were received at 1.5°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

(page 11/11)



NY/NJ/PA CHAIN OF CUSTODY RECORD

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

Temp 15 °C Pg 11 of 11

Phone: ☐
 Fax: ☐
 Email: ☐

Contact Options:

Customer: Galligan Project: Dehydration of Waste (part 1) Project P.O.: Seni Chem

Report to: Seni Chem

Invoice to: Seni Chem

QUOTE #: 25

This section MUST be completed with Bottle Quantities.

Client Sample Information - Identification			Analysis Request	
Sampler's Signature	Date	Analysis Request		
<u>[Signature]</u>	<u>10/31/24</u>	<u>MS/MSD (May be billed at analysis unit rate)</u>		
Matrix Code:				
DW=Drinking Water SW=Surface Water WW=Waste Water				
RW=Raw Water SE=Sludge SL=Sludge S=Soil SD=Solid W=Wipe				
B=Bulk L=Liquid				
PHOENIX USE ONLY				
SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
97583	SB-103124	LC-DW	10/31/24	1200
97584	SB-6 Grab (9.5-10)	S	10/31/24	1400
97585	SB-6 Composite	S	10/31/24	1405
97586	SB-8 Grab (9.5-10)	S	10/31/24	1410
97587	SB-8 Composite	S	10/31/24	1415
97588	SB-7 Grab (9.5-10)	S	10/31/24	1430
97589	SB-7 Composite	S	10/31/24	1435
97590	SB-11 Grab (9.5-10)	S	10/31/24	1000
97591	SB-11 Composite	S	10/31/24	1010
97592	TW-11 (5-10)	GW	10/31/24	1030
97593	TW-10 (5-10)	GW	10/31/24	1100

Relinquished by: <u>[Signature]</u> Date: <u>10/31/24</u> Time: <u>1300</u>	Accepted by: <u>[Signature]</u> Date: <u>10/31/24</u> Time: <u>1815</u>
Comments, Special Requirements or Regulations: <u>[Blank]</u>	
Data Format: ☒ Phoenix Std Report ☐ EQuIS ☐ NJ Hazsite EDD ☐ PDF ☐ GIS/Key	
Turnaround: ☐ 1 Day* ☐ 2 Days* ☐ 3 Days* ☐ 4 Days* ☒ Standard ☐ SURCHARGE APPLIES	
Res. Criteria ☐ Non-Res. Criteria ☐ Impact to GW Soil Cleanup Criteria ☐ Impact to GW soil screen Criteria ☐ GW Criteria	Data Package: ☐ NJ Reduced Deliv.* ☐ Other ☐ NY Enhanced (ASP B)*
NY TOGS GW ☒ CP-51 SOIL ☒ 375SSCO ☒ Unrestricted Soil ☒ 375SSCO ☒ Residential Soil ☒ 375SSCO ☒ Residential ☒ 375SSCO ☒ Commercial Soil ☒ 375SSCO ☒ Industrial Soil ☐ Subpart 5 DW	PA Clean Fill Limits ☐ PA-GW ☐ Reg Fill Limits ☐ PA Soil Restricted ☐ PA Soil non-restricted
State Samples Collected? ☐	



Tuesday, November 05, 2024

Attn: Jennifer Cherlin
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Project ID: INSPIRATION WHARF (PORT WASHINGTON)
SDG ID: GCR97606
Sample ID#s: CR97606 - CR97612

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

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



Sample Id Cross Reference

November 05, 2024

SDG I.D.: GCR97606

Project ID: INSPIRATION WHARF (PORT WASHINGTON)

Client Id	Lab Id	Matrix
SV-14 (3`)	CR97606	AIR
SV-15 (3`)	CR97607	AIR
SV-16 (3`)	CR97608	AIR
SV-8 (3`)	CR97609	AIR
SV-9 (3`)	CR97610	AIR
SV-5 (3`)	CR97611	AIR
SV-1 (3`)	CR97612	AIR



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



Analysis Report

November 05, 2024

FOR: Attn: Jennifer Cherlin
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: AIR
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:
Canister Id: 751

Custody Information

Collected by: JC
Received by: SW
Analyzed by: see "By" below

Date: 10/31/24
Time: 12:29
10/31/24 18:15

Laboratory Data

SDG ID: GCR97606
Phoenix ID: CR97606

Project ID: INSPIRATION WHARF (PORT WASHINGTON)
Client ID: SV-14 (3`)

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	0.729	ND	5.00	10/31/24	KCA	5	1
1,1,1-Trichloroethane	ND	0.917	ND	5.00	10/31/24	KCA	5	
1,1,2,2-Tetrachloroethane	ND	0.729	ND	5.00	10/31/24	KCA	5	
1,1,2-Trichloroethane	ND	0.917	ND	5.00	10/31/24	KCA	5	
1,1-Dichloroethane	ND	1.24	ND	5.02	10/31/24	KCA	5	
1,1-Dichloroethene	ND	0.252	ND	1.00	10/31/24	KCA	5	
1,2,4-Trichlorobenzene	ND	0.674	ND	5.00	10/31/24	KCA	5	
1,2,4-Trimethylbenzene	150	1.02	737	5.01	10/31/24	KCA	5	
1,2-Dibromoethane(EDB)	ND	0.651	ND	5.00	10/31/24	KCA	5	
1,2-Dichlorobenzene	ND	0.832	ND	5.00	10/31/24	KCA	5	
1,2-Dichloroethane	ND	1.24	ND	5.02	10/31/24	KCA	5	
1,2-dichloropropane	ND	1.08	ND	4.99	10/31/24	KCA	5	
1,2-Dichlorotetrafluoroethane	ND	0.716	ND	5.00	10/31/24	KCA	5	
1,3,5-Trimethylbenzene	48.2	1.02	237	5.01	10/31/24	KCA	5	
1,3-Butadiene	4.63	2.26	10.2	5.00	10/31/24	KCA	5	
1,3-Dichlorobenzene	ND	0.832	ND	5.00	10/31/24	KCA	5	
1,4-Dichlorobenzene	ND	0.832	ND	5.00	10/31/24	KCA	5	
1,4-Dioxane	ND	1.39	ND	5.01	10/31/24	KCA	5	
2-Hexanone(MBK)	ND	1.22	ND	4.99	10/31/24	KCA	5	1
4-Ethyltoluene	46.6	1.02	229	5.01	10/31/24	KCA	5	1
4-Isopropyltoluene	7.98	0.911	43.8	5.00	10/31/24	KCA	5	1
4-Methyl-2-pentanone(MIBK)	ND	1.22	ND	4.99	10/31/24	KCA	5	
Acetone	287	E 2.11	681	5.01	10/31/24	KCA	5	
Acrylonitrile	ND	2.31	ND	5.01	10/31/24	KCA	5	
Benzene	1.81	1.57	5.78	5.01	10/31/24	KCA	5	
Benzyl chloride	ND	0.966	ND	5.00	10/31/24	KCA	5	

Client ID: SV-14 (3`)

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	0.747	ND	5.00	10/31/24	KCA	5	
Bromoform	ND	0.484	ND	5.00	10/31/24	KCA	5	
Bromomethane	ND	1.29	ND	5.01	10/31/24	KCA	5	
Carbon Disulfide	2.17	1.61	6.75	5.01	10/31/24	KCA	5	
Carbon Tetrachloride	ND	0.159	ND	1.00	10/31/24	KCA	5	
Chlorobenzene	ND	1.09	ND	5.01	10/31/24	KCA	5	
Chloroethane	ND	1.90	ND	5.01	10/31/24	KCA	5	
Chloroform	ND	1.02	ND	4.98	10/31/24	KCA	5	
Chloromethane	ND	2.42	ND	4.99	10/31/24	KCA	5	
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	10/31/24	KCA	5	
cis-1,3-Dichloropropene	ND	1.10	ND	4.99	10/31/24	KCA	5	
Cyclohexane	9.04	1.45	31.1	4.99	10/31/24	KCA	5	
Dibromochloromethane	ND	0.587	ND	5.00	10/31/24	KCA	5	
Dichlorodifluoromethane	ND	1.01	ND	4.99	10/31/24	KCA	5	
Ethanol	18.7	2.66	35.2	5.01	10/31/24	KCA	5	1
Ethyl acetate	ND	1.39	ND	5.01	10/31/24	KCA	5	1
Ethylbenzene	6.54	1.15	28.4	4.99	10/31/24	KCA	5	
Heptane	4.11	1.22	16.8	5.00	10/31/24	KCA	5	
Hexachlorobutadiene	ND	0.469	ND	5.00	10/31/24	KCA	5	
Hexane	3.49	1.42	12.3	5.00	10/31/24	KCA	5	
Isooctane	58.1	1.07	271	4.99	10/31/24	KCA	5	
Isopropylalcohol	2.83	2.04	6.95	5.01	10/31/24	KCA	5	
Isopropylbenzene	5.35	1.02	26.3	5.01	10/31/24	KCA	5	
m,p-Xylene	30.0	1.15	130	4.99	10/31/24	KCA	5	
Methyl Ethyl Ketone	8.07	1.70	23.8	5.01	10/31/24	KCA	5	
Methyl tert-butyl ether(MTBE)	ND	1.39	ND	5.01	10/31/24	KCA	5	
Methylene Chloride	ND	4.32	ND	15.0	10/31/24	KCA	5	
Naphthalene	18.0	1.00	94.2	5.23	10/31/24	KCA	5	
n-Butylbenzene	ND	0.911	ND	5.00	10/31/24	KCA	5	1
o-Xylene	38.9	1.15	169	4.99	10/31/24	KCA	5	
Propylene	26.0	2.91	44.7	5.01	10/31/24	KCA	5	1
sec-Butylbenzene	5.22	0.911	28.6	5.00	10/31/24	KCA	5	1
Styrene	ND	1.17	ND	4.98	10/31/24	KCA	5	
Tetrachloroethene	ND	0.184	ND	1.25	10/31/24	KCA	5	
Tetrahydrofuran	ND	1.70	ND	5.01	10/31/24	KCA	5	1
Toluene	12.8	1.33	48.2	5.01	10/31/24	KCA	5	
Trans-1,2-Dichloroethene	ND	1.26	ND	4.99	10/31/24	KCA	5	
trans-1,3-Dichloropropene	ND	1.10	ND	4.99	10/31/24	KCA	5	
Trichloroethene	0.295	0.185	1.58	0.99	10/31/24	KCA	5	
Trichlorofluoromethane	ND	0.891	ND	5.00	10/31/24	KCA	5	
Trichlorotrifluoroethane	ND	0.653	ND	5.00	10/31/24	KCA	5	
Vinyl Chloride	ND	0.390	ND	1.00	10/31/24	KCA	5	
<u>QA/QC Surrogates/Internals</u>								
% Bromofluorobenzene (5x)	94	%	94	%	10/31/24	KCA	5	
% IS-1,4-Difluorobenzene (5x)	95	%	95	%	10/31/24	KCA	5	
% IS-Bromochloromethane (5x)	91	%	91	%	10/31/24	KCA	5	
% IS-Chlorobenzene-d5 (5x)	117	%	117	%	10/31/24	KCA	5	

Client ID: SV-14 (3`)

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

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

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

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

E = Estimated value quantitated above calibration range for this compound.

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



Phyllis Shiller, Laboratory Director

November 05, 2024

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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



Analysis Report

November 05, 2024

FOR: Attn: Jennifer Cherlin
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: AIR
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:
Canister Id: 792

Custody Information

Collected by: JC
Received by: SW
Analyzed by: see "By" below

Date Time
10/31/24 12:04
10/31/24 18:15

Laboratory Data

SDG ID: GCR97606
Phoenix ID: CR97607

Project ID: INSPIRATION WHARF (PORT WASHINGTON)
Client ID: SV-15 (3')

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	0.729	ND	5.00	10/31/24	KCA	5	1
1,1,1-Trichloroethane	ND	0.917	ND	5.00	10/31/24	KCA	5	
1,1,2,2-Tetrachloroethane	ND	0.729	ND	5.00	10/31/24	KCA	5	
1,1,2-Trichloroethane	ND	0.917	ND	5.00	10/31/24	KCA	5	
1,1-Dichloroethane	ND	1.24	ND	5.02	10/31/24	KCA	5	
1,1-Dichloroethene	ND	0.252	ND	1.00	10/31/24	KCA	5	
1,2,4-Trichlorobenzene	ND	0.674	ND	5.00	10/31/24	KCA	5	
1,2,4-Trimethylbenzene	146	1.02	717	5.01	10/31/24	KCA	5	
1,2-Dibromoethane(EDB)	ND	0.651	ND	5.00	10/31/24	KCA	5	
1,2-Dichlorobenzene	ND	0.832	ND	5.00	10/31/24	KCA	5	
1,2-Dichloroethane	ND	1.24	ND	5.02	10/31/24	KCA	5	
1,2-dichloropropane	ND	1.08	ND	4.99	10/31/24	KCA	5	
1,2-Dichlorotetrafluoroethane	ND	0.716	ND	5.00	10/31/24	KCA	5	
1,3,5-Trimethylbenzene	48.6	1.02	239	5.01	10/31/24	KCA	5	
1,3-Butadiene	7.69	2.26	17.0	5.00	10/31/24	KCA	5	
1,3-Dichlorobenzene	ND	0.832	ND	5.00	10/31/24	KCA	5	
1,4-Dichlorobenzene	ND	0.832	ND	5.00	10/31/24	KCA	5	
1,4-Dioxane	ND	1.39	ND	5.01	10/31/24	KCA	5	
2-Hexanone(MBK)	ND	1.22	ND	4.99	10/31/24	KCA	5	1
4-Ethyltoluene	48.8	1.02	240	5.01	10/31/24	KCA	5	1
4-Isopropyltoluene	7.52	0.911	41.3	5.00	10/31/24	KCA	5	1
4-Methyl-2-pentanone(MIBK)	ND	1.22	ND	4.99	10/31/24	KCA	5	
Acetone	123	2.11	292	5.01	10/31/24	KCA	5	
Acrylonitrile	ND	2.31	ND	5.01	10/31/24	KCA	5	
Benzene	1.63	1.57	5.20	5.01	10/31/24	KCA	5	
Benzyl chloride	ND	0.966	ND	5.00	10/31/24	KCA	5	

Client ID: SV-15 (3`)

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	0.747	ND	5.00	10/31/24	KCA	5	
Bromoform	ND	0.484	ND	5.00	10/31/24	KCA	5	
Bromomethane	ND	1.29	ND	5.01	10/31/24	KCA	5	
Carbon Disulfide	4.97	1.61	15.5	5.01	10/31/24	KCA	5	
Carbon Tetrachloride	ND	0.159	ND	1.00	10/31/24	KCA	5	
Chlorobenzene	ND	1.09	ND	5.01	10/31/24	KCA	5	
Chloroethane	ND	1.90	ND	5.01	10/31/24	KCA	5	
Chloroform	1.52	1.02	7.42	4.98	10/31/24	KCA	5	
Chloromethane	ND	2.42	ND	4.99	10/31/24	KCA	5	
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	10/31/24	KCA	5	
cis-1,3-Dichloropropene	ND	1.10	ND	4.99	10/31/24	KCA	5	
Cyclohexane	7.79	1.45	26.8	4.99	10/31/24	KCA	5	
Dibromochloromethane	ND	0.587	ND	5.00	10/31/24	KCA	5	
Dichlorodifluoromethane	ND	1.01	ND	4.99	10/31/24	KCA	5	
Ethanol	15.1	2.66	28.4	5.01	10/31/24	KCA	5	1
Ethyl acetate	ND	1.39	ND	5.01	10/31/24	KCA	5	1
Ethylbenzene	9.01	1.15	39.1	4.99	10/31/24	KCA	5	
Heptane	5.15	1.22	21.1	5.00	10/31/24	KCA	5	
Hexachlorobutadiene	ND	0.469	ND	5.00	10/31/24	KCA	5	
Hexane	6.60	1.42	23.2	5.00	10/31/24	KCA	5	
Isooctane	39.7	1.07	185	4.99	10/31/24	KCA	5	
Isopropylalcohol	ND	2.04	ND	5.01	10/31/24	KCA	5	
Isopropylbenzene	5.89	1.02	28.9	5.01	10/31/24	KCA	5	
m,p-Xylene	40.7	1.15	177	4.99	10/31/24	KCA	5	
Methyl Ethyl Ketone	4.55	1.70	13.4	5.01	10/31/24	KCA	5	
Methyl tert-butyl ether(MTBE)	ND	1.39	ND	5.01	10/31/24	KCA	5	
Methylene Chloride	ND	4.32	ND	15.0	10/31/24	KCA	5	
Naphthalene	21.1	1.00	110	5.23	10/31/24	KCA	5	
n-Butylbenzene	ND	0.911	ND	5.00	10/31/24	KCA	5	1
o-Xylene	46.9	1.15	204	4.99	10/31/24	KCA	5	
Propylene	110	2.91	189	5.01	10/31/24	KCA	5	1
sec-Butylbenzene	4.89	0.911	26.8	5.00	10/31/24	KCA	5	1
Styrene	ND	1.17	ND	4.98	10/31/24	KCA	5	
Tetrachloroethene	0.255	0.184	1.73	1.25	10/31/24	KCA	5	
Tetrahydrofuran	ND	1.70	ND	5.01	10/31/24	KCA	5	1
Toluene	15.0	1.33	56.5	5.01	10/31/24	KCA	5	
Trans-1,2-Dichloroethene	ND	1.26	ND	4.99	10/31/24	KCA	5	
trans-1,3-Dichloropropene	ND	1.10	ND	4.99	10/31/24	KCA	5	
Trichloroethene	ND	0.185	ND	0.99	10/31/24	KCA	5	
Trichlorofluoromethane	ND	0.891	ND	5.00	10/31/24	KCA	5	
Trichlorotrifluoroethane	ND	0.653	ND	5.00	10/31/24	KCA	5	
Vinyl Chloride	ND	0.390	ND	1.00	10/31/24	KCA	5	
<u>QA/QC Surrogates/Internals</u>								
% Bromofluorobenzene (5x)	88	%	88	%	10/31/24	KCA	5	
% IS-1,4-Difluorobenzene (5x)	97	%	97	%	10/31/24	KCA	5	
% IS-Bromochloromethane (5x)	97	%	97	%	10/31/24	KCA	5	
% IS-Chlorobenzene-d5 (5x)	135	%	135	%	10/31/24	KCA	5	

Client ID: SV-15 (3`)

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

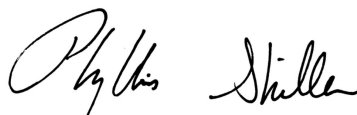
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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



Phyllis Shiller, Laboratory Director

November 05, 2024

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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



Analysis Report

November 05, 2024

FOR: Attn: Jennifer Cherlin
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: AIR
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:
Canister Id: 828

Custody Information

Collected by: JC
Received by: SW
Analyzed by: see "By" below

Date Time
10/31/24 11:29
10/31/24 18:15

Laboratory Data

SDG ID: GCR97606
Phoenix ID: CR97608

Project ID: INSPIRATION WHARF (PORT WASHINGTON)
Client ID: SV-16 (3`)

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	0.729	ND	5.00	11/01/24	KCA	5	1
1,1,1-Trichloroethane	ND	0.917	ND	5.00	11/01/24	KCA	5	
1,1,2,2-Tetrachloroethane	ND	0.729	ND	5.00	11/01/24	KCA	5	
1,1,2-Trichloroethane	ND	0.917	ND	5.00	11/01/24	KCA	5	
1,1-Dichloroethane	ND	1.24	ND	5.02	11/01/24	KCA	5	
1,1-Dichloroethene	ND	0.252	ND	1.00	11/01/24	KCA	5	
1,2,4-Trichlorobenzene	ND	0.674	ND	5.00	11/01/24	KCA	5	
1,2,4-Trimethylbenzene	159	1.02	781	5.01	11/01/24	KCA	5	
1,2-Dibromoethane(EDB)	ND	0.651	ND	5.00	11/01/24	KCA	5	
1,2-Dichlorobenzene	ND	0.832	ND	5.00	11/01/24	KCA	5	
1,2-Dichloroethane	ND	1.24	ND	5.02	11/01/24	KCA	5	
1,2-dichloropropane	ND	1.08	ND	4.99	11/01/24	KCA	5	
1,2-Dichlorotetrafluoroethane	ND	0.716	ND	5.00	11/01/24	KCA	5	
1,3,5-Trimethylbenzene	53.3	1.02	262	5.01	11/01/24	KCA	5	
1,3-Butadiene	9.20	2.26	20.3	5.00	11/01/24	KCA	5	
1,3-Dichlorobenzene	ND	0.832	ND	5.00	11/01/24	KCA	5	
1,4-Dichlorobenzene	ND	0.832	ND	5.00	11/01/24	KCA	5	
1,4-Dioxane	ND	1.39	ND	5.01	11/01/24	KCA	5	
2-Hexanone(MBK)	ND	1.22	ND	4.99	11/01/24	KCA	5	1
4-Ethyltoluene	49.8	1.02	245	5.01	11/01/24	KCA	5	1
4-Isopropyltoluene	8.95	0.911	49.1	5.00	11/01/24	KCA	5	1
4-Methyl-2-pentanone(MIBK)	ND	1.22	ND	4.99	11/01/24	KCA	5	
Acetone	160	2.11	380	5.01	11/01/24	KCA	5	
Acrylonitrile	ND	2.31	ND	5.01	11/01/24	KCA	5	
Benzene	1.77	1.57	5.65	5.01	11/01/24	KCA	5	
Benzyl chloride	ND	0.966	ND	5.00	11/01/24	KCA	5	

Client ID: SV-16 (3`)

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.747	ND	5.00	11/01/24	KCA	5
Bromoform	ND	0.484	ND	5.00	11/01/24	KCA	5
Bromomethane	ND	1.29	ND	5.01	11/01/24	KCA	5
Carbon Disulfide	3.01	1.61	9.37	5.01	11/01/24	KCA	5
Carbon Tetrachloride	ND	0.159	ND	1.00	11/01/24	KCA	5
Chlorobenzene	ND	1.09	ND	5.01	11/01/24	KCA	5
Chloroethane	ND	1.90	ND	5.01	11/01/24	KCA	5
Chloroform	ND	1.02	ND	4.98	11/01/24	KCA	5
Chloromethane	ND	2.42	ND	4.99	11/01/24	KCA	5
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	11/01/24	KCA	5
cis-1,3-Dichloropropene	ND	1.10	ND	4.99	11/01/24	KCA	5
Cyclohexane	10.2	1.45	35.1	4.99	11/01/24	KCA	5
Dibromochloromethane	ND	0.587	ND	5.00	11/01/24	KCA	5
Dichlorodifluoromethane	ND	1.01	ND	4.99	11/01/24	KCA	5
Ethanol	21.7	2.66	40.9	5.01	11/01/24	KCA	5 1
Ethyl acetate	ND	1.39	ND	5.01	11/01/24	KCA	5 1
Ethylbenzene	8.05	1.15	34.9	4.99	11/01/24	KCA	5
Heptane	4.09	1.22	16.8	5.00	11/01/24	KCA	5
Hexachlorobutadiene	ND	0.469	ND	5.00	11/01/24	KCA	5
Hexane	3.10	1.42	10.9	5.00	11/01/24	KCA	5
Isooctane	54.6	1.07	254	4.99	11/01/24	KCA	5
Isopropylalcohol	3.29	2.04	8.08	5.01	11/01/24	KCA	5
Isopropylbenzene	5.85	1.02	28.7	5.01	11/01/24	KCA	5
m,p-Xylene	37.7	1.15	164	4.99	11/01/24	KCA	5
Methyl Ethyl Ketone	8.23	1.70	24.3	5.01	11/01/24	KCA	5
Methyl tert-butyl ether(MTBE)	ND	1.39	ND	5.01	11/01/24	KCA	5
Methylene Chloride	ND	4.32	ND	15.0	11/01/24	KCA	5
Naphthalene	25.6	1.00	134	5.23	11/01/24	KCA	5
n-Butylbenzene	ND	0.911	ND	5.00	11/01/24	KCA	5 1
o-Xylene	44.4	1.15	193	4.99	11/01/24	KCA	5
Propylene	98.7	2.91	170	5.01	11/01/24	KCA	5 1
sec-Butylbenzene	5.79	0.911	31.8	5.00	11/01/24	KCA	5 1
Styrene	ND	1.17	ND	4.98	11/01/24	KCA	5
Tetrachloroethene	ND	0.184	ND	1.25	11/01/24	KCA	5
Tetrahydrofuran	ND	1.70	ND	5.01	11/01/24	KCA	5 1
Toluene	15.2	1.33	57.2	5.01	11/01/24	KCA	5
Trans-1,2-Dichloroethene	ND	1.26	ND	4.99	11/01/24	KCA	5
trans-1,3-Dichloropropene	ND	1.10	ND	4.99	11/01/24	KCA	5
Trichloroethene	ND	0.185	ND	0.99	11/01/24	KCA	5
Trichlorofluoromethane	ND	0.891	ND	5.00	11/01/24	KCA	5
Trichlorotrifluoroethane	ND	0.653	ND	5.00	11/01/24	KCA	5
Vinyl Chloride	ND	0.390	ND	1.00	11/01/24	KCA	5
<u>QA/QC Surrogates/Internals</u>							
% Bromofluorobenzene (5x)	91	%	91	%	11/01/24	KCA	5
% IS-1,4-Difluorobenzene (5x)	101	%	101	%	11/01/24	KCA	5
% IS-Bromochloromethane (5x)	96	%	96	%	11/01/24	KCA	5
% IS-Chlorobenzene-d5 (5x)	130	%	130	%	11/01/24	KCA	5

Client ID: SV-16 (3`)

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

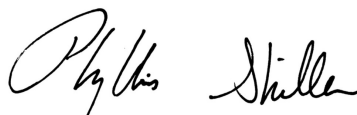
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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

November 05, 2024

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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



Analysis Report

November 05, 2024

FOR: Attn: Jennifer Cherlin
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: AIR
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:
Canister Id: 771

Custody Information

Collected by: JC
Received by: SW
Analyzed by: see "By" below

Date Time
10/31/24 14:16
10/31/24 18:15

Laboratory Data

SDG ID: GCR97606
Phoenix ID: CR97609

Project ID: INSPIRATION WHARF (PORT WASHINGTON)
Client ID: SV-8 (3`)

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	0.729	ND	5.00	11/01/24	KCA	5	1
1,1,1-Trichloroethane	ND	0.917	ND	5.00	11/01/24	KCA	5	
1,1,2,2-Tetrachloroethane	ND	0.729	ND	5.00	11/01/24	KCA	5	
1,1,2-Trichloroethane	ND	0.917	ND	5.00	11/01/24	KCA	5	
1,1-Dichloroethane	ND	1.24	ND	5.02	11/01/24	KCA	5	
1,1-Dichloroethene	ND	0.252	ND	1.00	11/01/24	KCA	5	
1,2,4-Trichlorobenzene	ND	0.674	ND	5.00	11/01/24	KCA	5	
1,2,4-Trimethylbenzene	150	1.02	737	5.01	11/01/24	KCA	5	
1,2-Dibromoethane(EDB)	ND	0.651	ND	5.00	11/01/24	KCA	5	
1,2-Dichlorobenzene	ND	0.832	ND	5.00	11/01/24	KCA	5	
1,2-Dichloroethane	ND	1.24	ND	5.02	11/01/24	KCA	5	
1,2-dichloropropane	ND	1.08	ND	4.99	11/01/24	KCA	5	
1,2-Dichlorotetrafluoroethane	ND	0.716	ND	5.00	11/01/24	KCA	5	
1,3,5-Trimethylbenzene	52.5	1.02	258	5.01	11/01/24	KCA	5	
1,3-Butadiene	8.45	2.26	18.7	5.00	11/01/24	KCA	5	
1,3-Dichlorobenzene	ND	0.832	ND	5.00	11/01/24	KCA	5	
1,4-Dichlorobenzene	ND	0.832	ND	5.00	11/01/24	KCA	5	
1,4-Dioxane	ND	1.39	ND	5.01	11/01/24	KCA	5	
2-Hexanone(MBK)	ND	1.22	ND	4.99	11/01/24	KCA	5	1
4-Ethyltoluene	54.4	1.02	267	5.01	11/01/24	KCA	5	1
4-Isopropyltoluene	11.4	0.911	62.5	5.00	11/01/24	KCA	5	1
4-Methyl-2-pentanone(MIBK)	2.17	1.22	8.88	4.99	11/01/24	KCA	5	
Acetone	330	4.21	783	10.0	11/01/24	KCA	10	
Acrylonitrile	ND	2.31	ND	5.01	11/01/24	KCA	5	
Benzene	6.24	1.57	19.9	5.01	11/01/24	KCA	5	
Benzyl chloride	ND	0.966	ND	5.00	11/01/24	KCA	5	

Client ID: SV-8 (3')

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	0.747	ND	5.00	11/01/24	KCA	5	
Bromoform	ND	0.484	ND	5.00	11/01/24	KCA	5	
Bromomethane	ND	1.29	ND	5.01	11/01/24	KCA	5	
Carbon Disulfide	6.15	1.61	19.1	5.01	11/01/24	KCA	5	
Carbon Tetrachloride	ND	0.159	ND	1.00	11/01/24	KCA	5	
Chlorobenzene	ND	1.09	ND	5.01	11/01/24	KCA	5	
Chloroethane	ND	1.90	ND	5.01	11/01/24	KCA	5	
Chloroform	ND	1.02	ND	4.98	11/01/24	KCA	5	
Chloromethane	ND	2.42	ND	4.99	11/01/24	KCA	5	
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	11/01/24	KCA	5	
cis-1,3-Dichloropropene	ND	1.10	ND	4.99	11/01/24	KCA	5	
Cyclohexane	7.98	1.45	27.5	4.99	11/01/24	KCA	5	
Dibromochloromethane	ND	0.587	ND	5.00	11/01/24	KCA	5	
Dichlorodifluoromethane	ND	1.01	ND	4.99	11/01/24	KCA	5	
Ethanol	27.6	2.66	52.0	5.01	11/01/24	KCA	5	1
Ethyl acetate	ND	1.39	ND	5.01	11/01/24	KCA	5	1
Ethylbenzene	6.88	1.15	29.9	4.99	11/01/24	KCA	5	
Heptane	11.6	1.22	47.5	5.00	11/01/24	KCA	5	
Hexachlorobutadiene	ND	0.469	ND	5.00	11/01/24	KCA	5	
Hexane	21.1	1.42	74.3	5.00	11/01/24	KCA	5	
Isooctane	462	3.22	2150	15.0	11/01/24	KCA	15	
Isopropylalcohol	5.65	2.04	13.9	5.01	11/01/24	KCA	5	
Isopropylbenzene	6.53	1.02	32.1	5.01	11/01/24	KCA	5	
m,p-Xylene	29.6	1.15	128	4.99	11/01/24	KCA	5	
Methyl Ethyl Ketone	22.7	1.70	66.9	5.01	11/01/24	KCA	5	
Methyl tert-butyl ether(MTBE)	ND	1.39	ND	5.01	11/01/24	KCA	5	
Methylene Chloride	5.42	4.32	18.8	15.0	11/01/24	KCA	5	
Naphthalene	12.9	1.00	67.5	5.23	11/01/24	KCA	5	
n-Butylbenzene	ND	0.911	ND	5.00	11/01/24	KCA	5	1
o-Xylene	37.2	1.15	161	4.99	11/01/24	KCA	5	
Propylene	70.4	2.91	121	5.01	11/01/24	KCA	5	1
sec-Butylbenzene	10.2	0.911	56.0	5.00	11/01/24	KCA	5	1
Styrene	ND	1.17	ND	4.98	11/01/24	KCA	5	
Tetrachloroethene	1.82	0.184	12.3	1.25	11/01/24	KCA	5	
Tetrahydrofuran	ND	1.70	ND	5.01	11/01/24	KCA	5	1
Toluene	74.4	1.33	280	5.01	11/01/24	KCA	5	
Trans-1,2-Dichloroethene	ND	1.26	ND	4.99	11/01/24	KCA	5	
trans-1,3-Dichloropropene	ND	1.10	ND	4.99	11/01/24	KCA	5	
Trichloroethene	0.555	0.185	2.98	0.99	11/01/24	KCA	5	
Trichlorofluoromethane	1.86	0.891	10.4	5.00	11/01/24	KCA	5	
Trichlorotrifluoroethane	ND	0.653	ND	5.00	11/01/24	KCA	5	
Vinyl Chloride	ND	0.390	ND	1.00	11/01/24	KCA	5	
<u>QA/QC Surrogates/Internals</u>								
% Bromofluorobenzene (5x)	111	%	111	%	11/01/24	KCA	5	
% IS-1,4-Difluorobenzene (5x)	107	%	107	%	11/01/24	KCA	5	
% IS-Bromochloromethane (5x)	103	%	103	%	11/01/24	KCA	5	
% IS-Chlorobenzene-d5 (5x)	120	%	120	%	11/01/24	KCA	5	
% Bromofluorobenzene (10x)	106	%	106	%	11/01/24	KCA	10	
% IS-1,4-Difluorobenzene (10x)	105	%	105	%	11/01/24	KCA	10	

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
% IS-Bromochloromethane (10x)	104	%	104	%	11/01/24	KCA	10
% IS-Chlorobenzene-d5 (10x)	116	%	116	%	11/01/24	KCA	10
% Bromofluorobenzene (15x)	99	%	99	%	11/01/24	KCA	15
% IS-1,4-Difluorobenzene (15x)	102	%	102	%	11/01/24	KCA	15
% IS-Bromochloromethane (15x)	101	%	101	%	11/01/24	KCA	15
% IS-Chlorobenzene-d5 (15x)	107	%	107	%	11/01/24	KCA	15

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 (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

The canister was received under no vacuum, therefore sample results may not be representative.

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



Phyllis Shiller, Laboratory Director

November 05, 2024

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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



Analysis Report

November 05, 2024

FOR: Attn: Jennifer Cherlin
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: AIR
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:
Canister Id: 797

Custody Information

Collected by: JC
Received by: SW
Analyzed by: see "By" below

Date Time
10/31/24 12:28
10/31/24 18:15

Laboratory Data

SDG ID: GCR97606
Phoenix ID: CR97610

Project ID: INSPIRATION WHARF (PORT WASHINGTON)
Client ID: SV-9 (3`)

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	0.729	ND	5.00	11/01/24	KCA	5	1
1,1,1-Trichloroethane	ND	0.917	ND	5.00	11/01/24	KCA	5	
1,1,2,2-Tetrachloroethane	ND	0.729	ND	5.00	11/01/24	KCA	5	
1,1,2-Trichloroethane	ND	0.917	ND	5.00	11/01/24	KCA	5	
1,1-Dichloroethane	ND	1.24	ND	5.02	11/01/24	KCA	5	
1,1-Dichloroethene	ND	0.252	ND	1.00	11/01/24	KCA	5	
1,2,4-Trichlorobenzene	ND	0.674	ND	5.00	11/01/24	KCA	5	
1,2,4-Trimethylbenzene	128	1.02	629	5.01	11/01/24	KCA	5	
1,2-Dibromoethane(EDB)	ND	0.651	ND	5.00	11/01/24	KCA	5	
1,2-Dichlorobenzene	ND	0.832	ND	5.00	11/01/24	KCA	5	
1,2-Dichloroethane	ND	1.24	ND	5.02	11/01/24	KCA	5	
1,2-dichloropropane	ND	1.08	ND	4.99	11/01/24	KCA	5	
1,2-Dichlorotetrafluoroethane	ND	0.716	ND	5.00	11/01/24	KCA	5	
1,3,5-Trimethylbenzene	40.9	1.02	201	5.01	11/01/24	KCA	5	
1,3-Butadiene	31.2	2.26	69.0	5.00	11/01/24	KCA	5	
1,3-Dichlorobenzene	ND	0.832	ND	5.00	11/01/24	KCA	5	
1,4-Dichlorobenzene	ND	0.832	ND	5.00	11/01/24	KCA	5	
1,4-Dioxane	ND	1.39	ND	5.01	11/01/24	KCA	5	
2-Hexanone(MBK)	ND	1.22	ND	4.99	11/01/24	KCA	5	1
4-Ethyltoluene	41.5	1.02	204	5.01	11/01/24	KCA	5	1
4-Isopropyltoluene	6.65	0.911	36.5	5.00	11/01/24	KCA	5	1
4-Methyl-2-pentanone(MIBK)	2.77	1.22	11.3	4.99	11/01/24	KCA	5	
Acetone	123	2.11	292	5.01	11/01/24	KCA	5	
Acrylonitrile	ND	2.31	ND	5.01	11/01/24	KCA	5	
Benzene	13.7	1.57	43.7	5.01	11/01/24	KCA	5	
Benzyl chloride	ND	0.966	ND	5.00	11/01/24	KCA	5	

Client ID: SV-9 (3')

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	0.747	ND	5.00	11/01/24	KCA	5	
Bromoform	ND	0.484	ND	5.00	11/01/24	KCA	5	
Bromomethane	ND	1.29	ND	5.01	11/01/24	KCA	5	
Carbon Disulfide	11.6	1.61	36.1	5.01	11/01/24	KCA	5	
Carbon Tetrachloride	ND	0.159	ND	1.00	11/01/24	KCA	5	
Chlorobenzene	ND	1.09	ND	5.01	11/01/24	KCA	5	
Chloroethane	ND	1.90	ND	5.01	11/01/24	KCA	5	
Chloroform	2.29	1.02	11.2	4.98	11/01/24	KCA	5	
Chloromethane	2.74	2.42	5.65	4.99	11/01/24	KCA	5	
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	11/01/24	KCA	5	
cis-1,3-Dichloropropene	ND	1.10	ND	4.99	11/01/24	KCA	5	
Cyclohexane	7.10	1.45	24.4	4.99	11/01/24	KCA	5	
Dibromochloromethane	ND	0.587	ND	5.00	11/01/24	KCA	5	
Dichlorodifluoromethane	ND	1.01	ND	4.99	11/01/24	KCA	5	
Ethanol	30.9	2.66	58.2	5.01	11/01/24	KCA	5	1
Ethyl acetate	ND	1.39	ND	5.01	11/01/24	KCA	5	1
Ethylbenzene	5.14	1.15	22.3	4.99	11/01/24	KCA	5	
Heptane	3.99	1.22	16.3	5.00	11/01/24	KCA	5	
Hexachlorobutadiene	ND	0.469	ND	5.00	11/01/24	KCA	5	
Hexane	6.36	1.42	22.4	5.00	11/01/24	KCA	5	
Isooctane	17.6	1.07	82.0	4.99	11/01/24	KCA	5	
Isopropylalcohol	5.72	2.04	14.1	5.01	11/01/24	KCA	5	
Isopropylbenzene	4.02	1.02	19.7	5.01	11/01/24	KCA	5	
m,p-Xylene	30.3	1.15	131	4.99	11/01/24	KCA	5	
Methyl Ethyl Ketone	32.1	1.70	94.6	5.01	11/01/24	KCA	5	
Methyl tert-butyl ether(MTBE)	ND	1.39	ND	5.01	11/01/24	KCA	5	
Methylene Chloride	ND	4.32	ND	15.0	11/01/24	KCA	5	
Naphthalene	19.0	1.00	99.4	5.23	11/01/24	KCA	5	
n-Butylbenzene	ND	0.911	ND	5.00	11/01/24	KCA	5	1
o-Xylene	31.5	1.15	137	4.99	11/01/24	KCA	5	
Propylene	284	5.81	488	10.0	11/01/24	KCA	10	1
sec-Butylbenzene	3.70	0.911	20.3	5.00	11/01/24	KCA	5	1
Styrene	ND	1.17	ND	4.98	11/01/24	KCA	5	
Tetrachloroethene	3.27	0.184	22.2	1.25	11/01/24	KCA	5	
Tetrahydrofuran	2.34	1.70	6.90	5.01	11/01/24	KCA	5	1
Toluene	13.1	1.33	49.3	5.01	11/01/24	KCA	5	
Trans-1,2-Dichloroethene	ND	1.26	ND	4.99	11/01/24	KCA	5	
trans-1,3-Dichloropropene	ND	1.10	ND	4.99	11/01/24	KCA	5	
Trichloroethene	1.11	0.185	5.96	0.99	11/01/24	KCA	5	
Trichlorofluoromethane	16.2	0.891	91.0	5.00	11/01/24	KCA	5	
Trichlorotrifluoroethane	ND	0.653	ND	5.00	11/01/24	KCA	5	
Vinyl Chloride	ND	0.390	ND	1.00	11/01/24	KCA	5	
<u>QA/QC Surrogates/Internals</u>								
% Bromofluorobenzene (5x)	107	%	107	%	11/01/24	KCA	5	
% IS-1,4-Difluorobenzene (5x)	104	%	104	%	11/01/24	KCA	5	
% IS-Bromochloromethane (5x)	99	%	99	%	11/01/24	KCA	5	
% IS-Chlorobenzene-d5 (5x)	109	%	109	%	11/01/24	KCA	5	
% Bromofluorobenzene (10x)	103	%	103	%	11/01/24	KCA	10	
% IS-1,4-Difluorobenzene (10x)	94	%	94	%	11/01/24	KCA	10	

Client ID: SV-9 (3`)

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
% IS-Bromochloromethane (10x)	91	%	91	%	11/01/24	KCA	10
% IS-Chlorobenzene-d5 (10x)	101	%	101	%	11/01/24	KCA	10

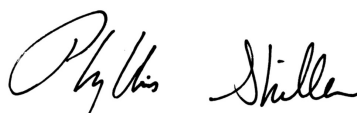
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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 (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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**Phyllis Shiller, Laboratory Director****November 05, 2024****Reviewed and Released by: Greg Lawrence, Assistant Lab Director**



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



Analysis Report

November 05, 2024

FOR: Attn: Jennifer Cherlin
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: AIR
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:
Canister Id: 757

Custody Information

Collected by: JC
Received by: SW
Analyzed by: see "By" below

Date Time
10/31/24 11:53
10/31/24 18:15

Laboratory Data

SDG ID: GCR97606
Phoenix ID: CR97611

Project ID: INSPIRATION WHARF (PORT WASHINGTON)
Client ID: SV-5 (3`)

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	0.729	ND	5.00	11/01/24	KCA	5	1
1,1,1-Trichloroethane	ND	0.917	ND	5.00	11/01/24	KCA	5	
1,1,2,2-Tetrachloroethane	ND	0.729	ND	5.00	11/01/24	KCA	5	
1,1,2-Trichloroethane	ND	0.917	ND	5.00	11/01/24	KCA	5	
1,1-Dichloroethane	ND	1.24	ND	5.02	11/01/24	KCA	5	
1,1-Dichloroethene	ND	0.252	ND	1.00	11/01/24	KCA	5	
1,2,4-Trichlorobenzene	ND	0.674	ND	5.00	11/01/24	KCA	5	
1,2,4-Trimethylbenzene	144	1.02	707	5.01	11/01/24	KCA	5	
1,2-Dibromoethane(EDB)	ND	0.651	ND	5.00	11/01/24	KCA	5	
1,2-Dichlorobenzene	ND	0.832	ND	5.00	11/01/24	KCA	5	
1,2-Dichloroethane	ND	1.24	ND	5.02	11/01/24	KCA	5	
1,2-dichloropropane	ND	1.08	ND	4.99	11/01/24	KCA	5	
1,2-Dichlorotetrafluoroethane	ND	0.716	ND	5.00	11/01/24	KCA	5	
1,3,5-Trimethylbenzene	45.3	1.02	223	5.01	11/01/24	KCA	5	
1,3-Butadiene	ND	2.26	ND	5.00	11/01/24	KCA	5	
1,3-Dichlorobenzene	ND	0.832	ND	5.00	11/01/24	KCA	5	
1,4-Dichlorobenzene	ND	0.832	ND	5.00	11/01/24	KCA	5	
1,4-Dioxane	ND	1.39	ND	5.01	11/01/24	KCA	5	
2-Hexanone(MBK)	ND	1.22	ND	4.99	11/01/24	KCA	5	1
4-Ethyltoluene	33.6	1.02	165	5.01	11/01/24	KCA	5	1
4-Isopropyltoluene	8.42	0.911	46.2	5.00	11/01/24	KCA	5	1
4-Methyl-2-pentanone(MIBK)	ND	1.22	ND	4.99	11/01/24	KCA	5	
Acetone	15.2	2.11	36.1	5.01	11/01/24	KCA	5	
Acrylonitrile	ND	2.31	ND	5.01	11/01/24	KCA	5	
Benzene	ND	1.57	ND	5.01	11/01/24	KCA	5	
Benzyl chloride	ND	0.966	ND	5.00	11/01/24	KCA	5	

Client ID: SV-5 (3')

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	0.747	ND	5.00	11/01/24	KCA	5	
Bromoform	ND	0.484	ND	5.00	11/01/24	KCA	5	
Bromomethane	ND	1.29	ND	5.01	11/01/24	KCA	5	
Carbon Disulfide	2.03	1.61	6.32	5.01	11/01/24	KCA	5	
Carbon Tetrachloride	ND	0.159	ND	1.00	11/01/24	KCA	5	
Chlorobenzene	ND	1.09	ND	5.01	11/01/24	KCA	5	
Chloroethane	ND	1.90	ND	5.01	11/01/24	KCA	5	
Chloroform	ND	1.02	ND	4.98	11/01/24	KCA	5	
Chloromethane	ND	2.42	ND	4.99	11/01/24	KCA	5	
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	11/01/24	KCA	5	
cis-1,3-Dichloropropene	ND	1.10	ND	4.99	11/01/24	KCA	5	
Cyclohexane	ND	1.45	ND	4.99	11/01/24	KCA	5	
Dibromochloromethane	ND	0.587	ND	5.00	11/01/24	KCA	5	
Dichlorodifluoromethane	ND	1.01	ND	4.99	11/01/24	KCA	5	
Ethanol	6.08	2.66	11.4	5.01	11/01/24	KCA	5	1
Ethyl acetate	ND	1.39	ND	5.01	11/01/24	KCA	5	1
Ethylbenzene	2.53	1.15	11.0	4.99	11/01/24	KCA	5	
Heptane	ND	1.22	ND	5.00	11/01/24	KCA	5	
Hexachlorobutadiene	ND	0.469	ND	5.00	11/01/24	KCA	5	
Hexane	ND	1.42	ND	5.00	11/01/24	KCA	5	
Isooctane	4.16	1.07	19.4	4.99	11/01/24	KCA	5	
Isopropylalcohol	ND	2.04	ND	5.01	11/01/24	KCA	5	
Isopropylbenzene	2.57	1.02	12.6	5.01	11/01/24	KCA	5	
m,p-Xylene	14.8	1.15	64.2	4.99	11/01/24	KCA	5	
Methyl Ethyl Ketone	ND	1.70	ND	5.01	11/01/24	KCA	5	
Methyl tert-butyl ether(MTBE)	ND	1.39	ND	5.01	11/01/24	KCA	5	
Methylene Chloride	ND	4.32	ND	15.0	11/01/24	KCA	5	
Naphthalene	31.0	1.00	162	5.23	11/01/24	KCA	5	
n-Butylbenzene	ND	0.911	ND	5.00	11/01/24	KCA	5	1
o-Xylene	20.2	1.15	87.7	4.99	11/01/24	KCA	5	
Propylene	9.94	2.91	17.1	5.01	11/01/24	KCA	5	1
sec-Butylbenzene	4.17	0.911	22.9	5.00	11/01/24	KCA	5	1
Styrene	ND	1.17	ND	4.98	11/01/24	KCA	5	
Tetrachloroethene	ND	0.184	ND	1.25	11/01/24	KCA	5	
Tetrahydrofuran	ND	1.70	ND	5.01	11/01/24	KCA	5	1
Toluene	2.32	1.33	8.74	5.01	11/01/24	KCA	5	
Trans-1,2-Dichloroethene	ND	1.26	ND	4.99	11/01/24	KCA	5	
trans-1,3-Dichloropropene	ND	1.10	ND	4.99	11/01/24	KCA	5	
Trichloroethene	ND	0.185	ND	0.99	11/01/24	KCA	5	
Trichlorofluoromethane	ND	0.891	ND	5.00	11/01/24	KCA	5	
Trichlorotrifluoroethane	ND	0.653	ND	5.00	11/01/24	KCA	5	
Vinyl Chloride	ND	0.390	ND	1.00	11/01/24	KCA	5	
<u>QA/QC Surrogates/Internals</u>								
% Bromofluorobenzene (5x)	98	%	98	%	11/01/24	KCA	5	
% IS-1,4-Difluorobenzene (5x)	89	%	89	%	11/01/24	KCA	5	
% IS-Bromochloromethane (5x)	89	%	89	%	11/01/24	KCA	5	
% IS-Chlorobenzene-d5 (5x)	97	%	97	%	11/01/24	KCA	5	

Client ID: SV-5 (3`)

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

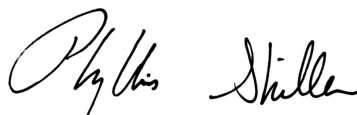
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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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**Phyllis Shiller, Laboratory Director****November 05, 2024****Reviewed and Released by: Greg Lawrence, Assistant Lab Director**



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



Analysis Report

November 05, 2024

FOR: Attn: Jennifer Cherlin
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Sample Information

Matrix: AIR
Location Code: GALLI-ENG
Rush Request: Standard
P.O.#:
Canister Id: 753

Custody Information

Collected by: JC
Received by: SW
Analyzed by: see "By" below

Date Time
10/31/24 15:08
10/31/24 18:15

Laboratory Data

SDG ID: GCR97606
Phoenix ID: CR97612

Project ID: INSPIRATION WHARF (PORT WASHINGTON)
Client ID: SV-1 (3`)

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	0.729	ND	5.00	11/01/24	KCA	5	1
1,1,1-Trichloroethane	ND	0.917	ND	5.00	11/01/24	KCA	5	
1,1,2,2-Tetrachloroethane	ND	0.729	ND	5.00	11/01/24	KCA	5	
1,1,2-Trichloroethane	ND	0.917	ND	5.00	11/01/24	KCA	5	
1,1-Dichloroethane	ND	1.24	ND	5.02	11/01/24	KCA	5	
1,1-Dichloroethene	ND	0.252	ND	1.00	11/01/24	KCA	5	
1,2,4-Trichlorobenzene	ND	0.674	ND	5.00	11/01/24	KCA	5	
1,2,4-Trimethylbenzene	170	1.02	835	5.01	11/01/24	KCA	5	
1,2-Dibromoethane(EDB)	ND	0.651	ND	5.00	11/01/24	KCA	5	
1,2-Dichlorobenzene	ND	0.832	ND	5.00	11/01/24	KCA	5	
1,2-Dichloroethane	ND	1.24	ND	5.02	11/01/24	KCA	5	
1,2-dichloropropane	ND	1.08	ND	4.99	11/01/24	KCA	5	
1,2-Dichlorotetrafluoroethane	ND	0.716	ND	5.00	11/01/24	KCA	5	
1,3,5-Trimethylbenzene	74.7	1.02	367	5.01	11/01/24	KCA	5	
1,3-Butadiene	31.3	2.26	69.2	5.00	11/01/24	KCA	5	
1,3-Dichlorobenzene	ND	0.832	ND	5.00	11/01/24	KCA	5	
1,4-Dichlorobenzene	ND	0.832	ND	5.00	11/01/24	KCA	5	
1,4-Dioxane	ND	1.39	ND	5.01	11/01/24	KCA	5	
2-Hexanone(MBK)	ND	1.22	ND	4.99	11/01/24	KCA	5	1
4-Ethyltoluene	51.2	1.02	252	5.01	11/01/24	KCA	5	1
4-Isopropyltoluene	11.1	0.911	60.9	5.00	11/01/24	KCA	5	1
4-Methyl-2-pentanone(MIBK)	ND	1.22	ND	4.99	11/01/24	KCA	5	
Acetone	142	2.11	337	5.01	11/01/24	KCA	5	
Acrylonitrile	ND	2.31	ND	5.01	11/01/24	KCA	5	
Benzene	10.3	1.57	32.9	5.01	11/01/24	KCA	5	
Benzyl chloride	ND	0.966	ND	5.00	11/01/24	KCA	5	

Client ID: SV-1 (3')

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	0.747	ND	5.00	11/01/24	KCA	5	
Bromoform	ND	0.484	ND	5.00	11/01/24	KCA	5	
Bromomethane	ND	1.29	ND	5.01	11/01/24	KCA	5	
Carbon Disulfide	8.21	1.61	25.5	5.01	11/01/24	KCA	5	
Carbon Tetrachloride	ND	0.159	ND	1.00	11/01/24	KCA	5	
Chlorobenzene	ND	1.09	ND	5.01	11/01/24	KCA	5	
Chloroethane	ND	1.90	ND	5.01	11/01/24	KCA	5	
Chloroform	ND	1.02	ND	4.98	11/01/24	KCA	5	
Chloromethane	5.38	2.42	11.1	4.99	11/01/24	KCA	5	
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	11/01/24	KCA	5	
cis-1,3-Dichloropropene	ND	1.10	ND	4.99	11/01/24	KCA	5	
Cyclohexane	ND	1.45	ND	4.99	11/01/24	KCA	5	
Dibromochloromethane	ND	0.587	ND	5.00	11/01/24	KCA	5	
Dichlorodifluoromethane	ND	1.01	ND	4.99	11/01/24	KCA	5	
Ethanol	46.9	2.66	88.3	5.01	11/01/24	KCA	5	1
Ethyl acetate	ND	1.39	ND	5.01	11/01/24	KCA	5	1
Ethylbenzene	7.05	1.15	30.6	4.99	11/01/24	KCA	5	
Heptane	ND	1.22	ND	5.00	11/01/24	KCA	5	
Hexachlorobutadiene	ND	0.469	ND	5.00	11/01/24	KCA	5	
Hexane	14.6	1.42	51.4	5.00	11/01/24	KCA	5	
Isooctane	95.1	1.07	443	4.99	11/01/24	KCA	5	
Isopropylalcohol	6.17	2.04	15.2	5.01	11/01/24	KCA	5	
Isopropylbenzene	9.27	1.02	45.5	5.01	11/01/24	KCA	5	
m,p-Xylene	32.1	1.15	139	4.99	11/01/24	KCA	5	
Methyl Ethyl Ketone	32.1	1.70	94.6	5.01	11/01/24	KCA	5	
Methyl tert-butyl ether(MTBE)	ND	1.39	ND	5.01	11/01/24	KCA	5	
Methylene Chloride	ND	4.32	ND	15.0	11/01/24	KCA	5	
Naphthalene	18.4	1.00	96.3	5.23	11/01/24	KCA	5	
n-Butylbenzene	ND	0.911	ND	5.00	11/01/24	KCA	5	1
o-Xylene	54.9	1.15	238	4.99	11/01/24	KCA	5	
Propylene	361	5.81	621	10.0	11/01/24	KCA	10	1
sec-Butylbenzene	11.6	0.911	63.6	5.00	11/01/24	KCA	5	1
Styrene	ND	1.17	ND	4.98	11/01/24	KCA	5	
Tetrachloroethene	0.940	0.184	6.37	1.25	11/01/24	KCA	5	
Tetrahydrofuran	5.14	1.70	15.1	5.01	11/01/24	KCA	5	1
Toluene	15.9	1.33	59.9	5.01	11/01/24	KCA	5	
Trans-1,2-Dichloroethene	ND	1.26	ND	4.99	11/01/24	KCA	5	
trans-1,3-Dichloropropene	ND	1.10	ND	4.99	11/01/24	KCA	5	
Trichloroethene	0.230	0.185	1.24	0.99	11/01/24	KCA	5	
Trichlorofluoromethane	ND	0.891	ND	5.00	11/01/24	KCA	5	
Trichlorotrifluoroethane	ND	0.653	ND	5.00	11/01/24	KCA	5	
Vinyl Chloride	ND	0.390	ND	1.00	11/01/24	KCA	5	
<u>QA/QC Surrogates/Internals</u>								
% Bromofluorobenzene (5x)	95	%	95	%	11/01/24	KCA	5	
% IS-1,4-Difluorobenzene (5x)	100	%	100	%	11/01/24	KCA	5	
% IS-Bromochloromethane (5x)	92	%	92	%	11/01/24	KCA	5	
% IS-Chlorobenzene-d5 (5x)	128	%	128	%	11/01/24	KCA	5	
% Bromofluorobenzene (10x)	88	%	88	%	11/01/24	KCA	10	
% IS-1,4-Difluorobenzene (10x)	84	%	84	%	11/01/24	KCA	10	

Client ID: SV-1 (3`)

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
% IS-Bromochloromethane (10x)	85	%	85	%	11/01/24	KCA	10
% IS-Chlorobenzene-d5 (10x)	111	%	111	%	11/01/24	KCA	10

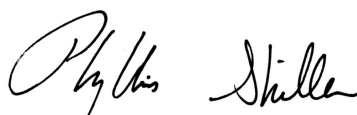
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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 (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

**Phyllis Shiller, Laboratory Director****November 05, 2024****Reviewed and Released by: Greg Lawrence, Assistant Lab Director**



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



Canister Sampling Information

November 05, 2024

FOR: Attn: Jennifer Cherlin
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Location Code: GALLI-ENG

SDG I.D.: GCR97606

Project ID: INSPIRATION WHARF (PORT WASHINGTON)

Client Id	Lab Id	Canister		Reg. Id	Chk Out Date	Laboratory					Field			
		Id	Type			Out Hg	In Hg	Out Flow	In Flow	Flow RPD	Start Hg	End Hg	Sampling Start Date	Sampling End Date
SV-14 (3`)	CR97606	751	1.4L	10617	10/24/24	-30	-2	255	247	3.2	-26	-5	10/31/24 12:25	10/31/24 12:29
SV-15 (3`)	CR97607	792	1.4L	10585	10/24/24	-30	-3	252	256	1.6	-27	-5	10/31/24 12:00	10/31/24 12:04
SV-16 (3`)	CR97608	828	1.4L	5520	10/24/24	-30	-3	258	251	2.8	-27	-5	10/31/24 11:25	10/31/24 11:29
SV-8 (3`)	CR97609	771	1.4L	5382	10/24/24	-30	0	256	256	0.0	-26	-5	10/30/24 14:12	10/30/24 14:16
SV-9 (3`)	CR97610	797	1.4L	7042	10/24/24	-30	-4	253	250	1.2	-26	-5	10/30/24 12:23	10/30/24 12:28
SV-5 (3`)	CR97611	757	1.4L	10646	10/24/24	-30	-4	243	244	0.4	-28	-5	10/30/24 11:49	10/30/24 11:53
SV-1 (3`)	CR97612	753	1.4L	10610	10/24/24	-30	-4	258	257	0.4	-27	-5	10/29/24 15:04	10/29/24 15:08



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



QA/QC Report

November 05, 2024

QA/QC Data

SDG I.D.: GCR97606

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
QA/QC Batch 756389 (ppbv), QC Sample No: CR96988 (CR97611 (5X) , CR97612 (5X))												
Volatiles												
1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	93	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.180	ND	0.98	108	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	90	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.180	ND	0.98	97	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.250	ND	1.01	104	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	106	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.130	ND	0.96	62	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	101	1.10	1.01	0.224	0.205	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	99	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.170	ND	1.02	85	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.250	ND	1.01	108	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.220	ND	1.02	95	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.140	ND	0.98	106	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.200	ND	0.98	99	ND	ND	ND	ND	NC	70 - 130	25
1,3-Butadiene	ND	0.450	ND	0.99	104	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.170	ND	1.02	89	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.170	ND	1.02	97	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.280	ND	1.01	93	ND	ND	ND	ND	NC	70 - 130	25
2,2,4-Trimethylpentane	ND	0.210	ND	0.98	103	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.240	ND	0.98	108	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.200	ND	0.98	102	ND	ND	ND	ND	NC	70 - 130	25
4-Isopropyltoluene	ND	0.180	ND	0.99	93	2.34	2.28	0.426	0.415	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.240	ND	0.98	104	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	0.420	ND	1.00	104	50.8	49.1	21.4	20.7	3.3	70 - 130	25
Acrylonitrile	ND	0.460	ND	1.00	88	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.310	ND	0.99	101	ND	ND	ND	ND	NC	70 - 130	25
Benzyl chloride	ND	0.190	ND	0.98	97	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.150	ND	1.00	96	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.097	ND	1.00	97	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.260	ND	1.01	105	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.320	ND	1.00	102	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.032	ND	0.20	106	0.53	0.53	0.085	0.085	NC	70 - 130	25
Chlorobenzene	ND	0.220	ND	1.01	95	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.380	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.200	ND	0.98	101	1.88	1.89	0.385	0.388	NC	70 - 130	25
Chloromethane	ND	0.480	ND	0.99	109	1.27	1.21	0.613	0.587	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.050	ND	0.20	106	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	103	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.290	ND	1.00	92	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.120	ND	1.02	101	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	109	2.13	2.12	0.431	0.428	NC	70 - 130	25

QA/QC Data

SDG I.D.: GCR97606

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Ethanol	ND	0.530	ND	1.00	99	217 E	209	115 E	111	3.5	70 - 130	25
Ethyl acetate	ND	0.280	ND	1.01	122	1.53	1.57	0.426	0.436	NC	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	107	1.11	1.06	0.256	0.244	NC	70 - 130	25
Heptane	ND	0.240	ND	0.98	106	ND	ND	ND	ND	NC	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	65	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.280	ND	0.99	112	ND	ND	ND	ND	NC	70 - 130	25
Isopropylalcohol	ND	0.410	ND	1.01	97	405 E	420	165 E	171	3.6	70 - 130	25
Isopropylbenzene	ND	0.200	ND	0.98	95	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	109	2.75	2.62	0.634	0.603	NC	70 - 130	25
Methyl Ethyl Ketone	ND	0.340	ND	1.00	109	4.69	4.57	1.59	1.55	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	106	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.860	ND	2.99	103	486	469	140	135	3.6	70 - 130	25
Naphthalene	ND	0.200	ND	1.05	65	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.180	ND	0.99	93	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	102	1.20	1.15	0.277	0.266	NC	70 - 130	25
Propylene	ND	0.580	ND	1.00	101	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.180	ND	0.99	93	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.230	ND	0.98	103	2.02	2.05	0.475	0.481	NC	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	97	13.3	13.4	1.96	1.97	0.5	70 - 130	25
Tetrahydrofuran	ND	0.340	ND	1.00	112	6.43	6.34	2.18	2.15	1.4	70 - 130	25
Toluene	ND	0.270	ND	1.02	101	3.80	3.99	1.01	1.06	NC	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	101	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	101	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	96	ND	ND	ND	ND	NC	70 - 130	25
Trichlorofluoromethane	ND	0.180	ND	1.01	107	1.11	1.10	0.198	0.196	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.130	ND	1.00	103	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	108	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	99	%	99	%	101	104	103	104	103	NC	70 - 130	25
% IS-1,4-Difluorobenzene	106	%	106	%	103	102	100	102	100	NC	60 - 140	25
% IS-Bromochloromethane	108	%	108	%	92	95	98	95	98	NC	60 - 140	25
% IS-Chlorobenzene-d5	107	%	107	%	109	103	104	103	104	NC	60 - 140	25

QA/QC Batch 756366 (ppbv), QC Sample No: CR97232 (CR97609 (15X) , CR97612 (10X))

Volatiles

2,2,4-Trimethylpentane	ND	0.100	ND	0.47	108	ND	ND	ND	ND	NC	70 - 130	25
Propylene	ND	0.250	ND	0.43	113	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	95	%	95	%	101	100	99	100	99	NC	70 - 130	25
% IS-1,4-Difluorobenzene	99	%	99	%	94	92	88	92	88	NC	60 - 140	25
% IS-Bromochloromethane	100	%	100	%	92	91	86	91	86	NC	60 - 140	25
% IS-Chlorobenzene-d5	100	%	100	%	101	95	90	95	90	NC	60 - 140	25

QA/QC Batch 756354 (ppbv), QC Sample No: CR97236 (CR97606 (5X) , CR97607 (5X) , CR97608 (5X) , CR97609 (5X, 10X) , CR97610 (5X, 10X))

Volatiles

1,1,1,2-Tetrachloroethane	ND	0.250	ND	1.72	103	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.250	ND	1.36	103	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.005	ND	0.03	102	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.010	ND	0.05	101	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.075	ND	0.30	102	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.100	ND	0.40	102	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.027	ND	0.20	64	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.250	ND	1.23	104	3.38	3.62	0.688	0.736	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.005	ND	0.04	102	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.050	ND	0.30	94	ND	ND	ND	ND	NC	70 - 130	25

QA/QC Data

SDG I.D.: GCR97606

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
1,2-Dichloroethane	ND	0.010	ND	0.04	102	0.07	0.06	0.018	0.014	NC	70 - 130	25
1,2-dichloropropane	ND	0.010	ND	0.05	99	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.250	ND	1.75	103	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.250	ND	1.23	103	ND	ND	ND	ND	NC	70 - 130	25
1,3-Butadiene	ND	0.250	ND	0.55	101	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.050	ND	0.30	99	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.040	ND	0.24	99	0.25	ND	0.041	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.065	ND	0.23	106	ND	ND	ND	ND	NC	70 - 130	25
2,2,4-Trimethylpentane	ND	0.100	ND	0.47	103	0.52	0.53	0.111	0.114	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.250	ND	1.02	112	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.250	ND	1.23	104	2.96	3.16	0.603	0.644	NC	70 - 130	25
4-Isopropyltoluene	ND	0.250	ND	1.37	97	ND	ND	ND	ND	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.250	ND	1.02	110	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	0.375	ND	0.89	97	45.3	48.0	19.1	20.2	5.6	70 - 130	25
Acrylonitrile	ND	0.250	ND	0.54	97	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.100	ND	0.32	100	0.66	0.68	0.208	0.213	NC	70 - 130	25
Benzyl chloride	ND	0.250	ND	1.29	108	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.010	ND	0.07	103	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.075	ND	0.77	113	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.070	ND	0.27	99	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.250	ND	0.78	112	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.043	ND	0.27	106	0.53	0.54	0.085	0.086	NC	70 - 130	25
Chlorobenzene	ND	0.100	ND	0.46	101	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.250	ND	0.66	99	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.100	ND	0.49	101	ND	ND	ND	ND	NC	70 - 130	25
Chloromethane	ND	0.250	ND	0.52	114	1.17	1.31	0.568	0.634	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.100	ND	0.40	101	0.70	0.72	0.176	0.182	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.050	ND	0.23	105	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.250	ND	0.86	91	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.010	ND	0.09	107	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.250	ND	1.24	104	1.98	1.86	0.401	0.377	NC	70 - 130	25
Ethanol	ND	0.375	ND	0.71	106	757 E	861	402 E	457	12.8	70 - 130	25
Ethyl acetate	ND	0.250	ND	0.90	129	1.10	1.22	0.306	0.338	NC	70 - 130	25
Ethylbenzene	ND	0.250	ND	1.08	105	1.21	1.31	0.279	0.301	NC	70 - 130	25
Heptane	ND	0.250	ND	1.02	105	1.08	1.11	0.263	0.270	NC	70 - 130	25
Hexachlorobutadiene	ND	0.005	ND	0.05	64	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.225	ND	0.79	103	1.03	1.13	0.292	0.320	NC	70 - 130	25
Isopropylalcohol	ND	0.375	ND	0.92	97	737 E	789	300 E	321	6.8	70 - 130	25
Isopropylbenzene	ND	0.250	ND	1.23	100	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.500	ND	2.17	107	4.43	4.82	1.02	1.11	NC	70 - 130	25
Methyl Ethyl Ketone	ND	0.225	ND	0.66	104	1.21	1.31	0.412	0.443	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.250	ND	0.90	102	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	1.50	ND	5.21	99	ND	ND	ND	ND	NC	70 - 130	25
Naphthalene	ND	0.050	ND	0.26	69	0.52	0.44	0.099	0.085	NC	70 - 130	25
n-Butylbenzene	ND	0.250	ND	1.37	93	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.250	ND	1.08	103	1.74	1.94	0.400	0.446	NC	70 - 130	25
Propylene	ND	0.250	ND	0.43	99	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.250	ND	1.37	98	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.100	ND	0.43	107	0.60	0.63	0.141	0.149	NC	70 - 130	25
Tetrachloroethene	ND	0.050	ND	0.34	102	13.6	14.3	2.01	2.11	4.9	70 - 130	25
Tetrahydrofuran	ND	0.250	ND	0.74	103	0.88	0.91	0.298	0.309	NC	70 - 130	25
Toluene	ND	0.250	ND	0.94	104	2.90	3.10	0.769	0.822	NC	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.100	ND	0.40	99	ND	ND	ND	ND	NC	70 - 130	25

QA/QC Data

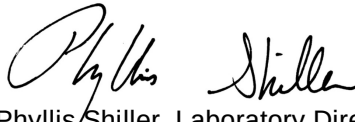
SDG I.D.: GCR97606

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
trans-1,3-Dichloropropene	ND	0.250	ND	1.13	104	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.025	ND	0.13	102	10.2	11.0	1.89	2.05	8.1	70 - 130	25
Trichlorofluoromethane	ND	0.250	ND	1.40	104	ND	ND	ND	ND	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.250	ND	1.91	102	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.050	ND	0.13	103	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	103	%	103	%	100	101	101	101	101	NC	70 - 130	25
% IS-1,4-Difluorobenzene	98	%	98	%	108	99	93	99	93	NC	60 - 140	25
% IS-Bromochloromethane	98	%	98	%	103	98	95	98	95	NC	60 - 140	25
% IS-Chlorobenzene-d5	96	%	96	%	112	107	100	107	100	NC	60 - 140	25

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

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

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


 Phyllis Shiller, Laboratory Director
 November 05, 2024

Tuesday, November 05, 2024

Criteria: NY: AIRSV
State: NY

Sample Criteria Exceedances Report
GCR97606 - GALLI-ENG

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

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



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



Analysis Comments

November 05, 2024

SDG I.D.: GCR97606

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



Phoenix Environmental Laboratories, Inc.
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GALLI-ENG

CHAIN OF CUSTODY RECORD

AIR ANALYSES

860-645-1102

email: greg@phoenixlabs.com

Page 1 of 1

P.O. #

Data Delivery:

☐ Fax #:

☐ Email:

☐ Phone #:

Report to:	Jennifer Cherlin	Project Name:	Extraction Cabinet (part wash)	Data Format:	(Circle) Equis Excel	Other:											
Customer:	Galli Engineering, P.C.	Invoice to:		Requested Deliverable:	RCP ASP CAT B												
Address:	35 Pinelawn Road Suite 209E				MCP NJ Deliverables												
16412	Melville, NY 11747	Sampled by:	SC	Quote Number:													
Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure ("Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start ("Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-15	HPH
976000	SV-14 (3')	751	1.4L	-30	-26	10617	255	12:25	12:29	10/31/24	-26	-5		XG			
976007	SV-15 (3')	792	1.4L	-30	-27	10585	252	12:00	12:04	10/31/24	-27	-5		XG			
976008	SV-16 (3')	828	1.4L	-30	-27	5520	258	11:25	11:29	10/31/24	-27	-5		XG			
976009	SV-17 (3')	771	1.4L	-30	-26	5382	256	2:12	2:16	10/31/24	-26	-5		XG			
976010	SV-9 (3')	797	1.4L	-30	-26	7042	253	12:23	12:28	10/31/24	-26	-5		XG			
976011	SV-5 (3')	757	1.4L	-30	-28	10646	243	11:49	11:53	10/31/24	-28	-5		XG			
976012	SV-1 (3F+)	753	1.4L	-30	-27	10610	258	3:04	3:08	10/31/24	-27	-5		XG			

Relinquished by: [Signature] Date: 10/31/24 1320
Accepted by: [Signature] Date: 10/31/24 1815
Signature: _____ Date: _____

State Where Samples Collected:	Requested Criteria: Phase Circle	NI:	NY:	PA:	VT:
1 Day* ☐	TAC I/C	Indoor Air: Residential	Indoor Air: Residential	Indoor Air: Residential	Indoor Air: Residential
2 Day* ☐	TAC RES	Ind/Commercial	Ind/Commercial	Ind/Commercial	Ind/Commercial
3 Day* ☐	SVVC I/C	Soil Gas: Residential	Soil Gas: Residential	Soil Gas: Residential	Soil Gas: Residential
4 Day* ☐	SVVC RES	Ind/Commercial	Ind/Commercial	Ind/Commercial	Ind/Commercial
5 Day* ☐	GWV I/C	Ind/Commercial	Ind/Commercial	Ind/Commercial	Ind/Commercial
Standard ☒	GWV RES	Ind/Commercial	Ind/Commercial	Ind/Commercial	Ind/Commercial
*SURCHARGES MAY APPLY					

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

(7) - 1.4L 5 min, 21ft Tubing, 7 Connectors

Greg Lawrence

From: [firstname.lastname <jcherlin@gallieng.com>](mailto:firstname.lastname@gallieng.com)
Sent: Friday, November 1, 2024 2:27 PM
To: Greg Lawrence
Subject: RE: Air Sample - GCR97606

Yes still analyze it, thanks!

On 11/01/2024 2:23 PM EDT Greg [Lawrence <greg@phoenixlabs.com>](mailto:greg@phoenixlabs.com) wrote:

If you want we can analyze it, but the vacuum was at 0" of Hg when we received the canister.

From: [firstname.lastname <jcherlin@gallieng.com>](mailto:firstname.lastname@gallieng.com)
Sent: Friday, November 1, 2024 2:17 PM
To: [Greg Lawrence <greg@phoenixlabs.com>](mailto:greg@phoenixlabs.com)
Subject: Re: Air Sample - GCR97606

We stopped it before it hit zero pressure (see attached).
Can you still analyze it?

On 11/01/2024 12:27 PM EDT Greg Lawrence [<greg@phoenixlabs.com>](mailto:greg@phoenixlabs.com) wrote:

Good afternoon,

Sample ID SV-8 (3'), lab ID CR97609 was received at 0" of Hg.

Gregory Lawrence

Assistant Laboratory Director

Phoenix Environmental Laboratories, Inc.

587 East Middle Turnpike | Manchester, CT 06040

Direct Line: [\(860\)-812-0812](tel:(860)-812-0812)

